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FOOD CONSUMPTION PROFILE OF HARYANA

(COMPANION TO INTER-STATE VARIATIONS IN FOOD CONSUMPTION, NUTRITIONAL ADEQUACY AND LEVELS OF POVERTY)

By

SAROJ GUPTA

June 1987

The views and interpretations expressed in this report are those of the author and should not be attributed to the U.S. Agency for International Development.

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THE VIEWS EXPRESSED HERE ARE THE AUTHOR'S OWN AND DO NOT NECESSARILY REFLECT THOSE OF USAID.

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CHAPTER 1

INTRODUCTION

I. Setting the Context

A study on 'Poverty and Nutrition' was undertaken in October 1986 by Dr. Robert E. Evenson in collaboration with Dr. S. Gupta for USAID, India. In this report, an attempt was made to bring out the food consumption and poverty scenario in India from 1951 upto 1983 and to link it with food production and other explanatory variables. The study was macro in nature and data were presented for all India rural and all India urban areas. As a follow up to that study it was deemed desirable to do similar analysis of state level data from fifteen states where adequate information was available, and in order to make state specific planning and policy analysis possible and to facilitate inter-state comparisons.

The current study, on 'Inter-State Comparisons of Food consumption, Nutritional Adequacy and Levels of Poverty' covers fifteen states viz. Andhra Pradesh, Bihar, Gujarat, Haryana, Himachal Pradesh, Karnataka . Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. Inter-state comparisons on the stated aspects are covered in the main report entitled 'Inter-State Variations in Food Consumption, Nutritional Adequacy and Levels of Poverty', wheareas food consumption profiles of each state are presented in separate state reports.

A few relevant recent comparative studies, using NSSO data undertaken in this area, focused on the relationship of rural poverty and gricultural growth. Montek Ahluwalia's (1986) estimates of rural poverty by states did not reflect any effect of level of agricultural production on levels of poverty and, hence, he advocated reliance on off farm poverty eradication programs. Dr. C.H.H. Rao (1985) upholds the importance of agricultural production in poverty eradication programs. The study by Bhattacharya et. al. (1986) and others did not find any visible trend in the incidence of rural poverty, whereas the authors acknowledged varying patterns of inter-temporal movement in disparities in the level of living in different states.

II. Objectives

The study objectives were: (a) to analyze inter-temporal, inter-class, inter-state and rural-urban changes in real aggregate consumption and consumption of foodgrains, cereals, pulses and other articles of food, the nutritional adequacy of food consumption in terms of calorie and protein intake and balance in the diet; (b) to measure the incidence of poverty in terms of estimated per capita intake derived from real expenditure; and (c) to examine possible foodgrain production and consumption linkages.

III. Data Base

This study is based on the statewise direct estimates of consumption expenditure on foodgrains and other articles reported by the National Sample Survey Organization (NSSO) from round 17 (1961-62(through round 38 (1983).

The NSSO data background and its limitations are presented in Annexure 2. Statewise estimates were not available for round 19 (1964-65).

IV. METHODOLOGICAL ISSUES

NSSO consumer expenditure estimates need to be deflated by indices accounting for price changes over time, items, per capita expenditure classes and states for rural and urban areas separately. NSSO rounds 17, 27, 28 & 32 present per capita expenditure estimates of eight major cereals, total cereals, pulses and grams by per capita expenditure classes in values as well as in quantities for all the fifteen states. Based on this information average and class-wise NSSO prices were calculated. The ratio of class-wise prices to average prices averaged over the rounds and items (Rcj) and the ratio of NSSO price indices to wholesale price indices (krj) were calculated for each state for rural and urban areas separately. All India wholesale price indices (Iri) were multiplied by these ratios to develop appropriate deflators (Drijc).

$$Drijc = Iri \times Rcj \times Krj.$$

These deflated expenditures were converted through fractile analysis into consumer expenditure by deciles. Nutrition estimates of calorie and protein content of foods consumed were obtained by dividing the expenditure estimates at constant prices by the base year prices and multiplying by nutritive values established by the National Institute of Nutriton (1976). Annexure 2 presents the details of the methodology.

The prices of cereals and other commodities are known to vary over the states. Table 1.1 highlights these differences for cereals for the year 1972-73 in the rural areas. The variation is as much as 100%, Rs. 0.81 per kg. in Punjab to Rs. 1.69 per kg. in Kerala. The ratio of the state prices of cereals as obtained from NSSO data in 1972-73 to the all-India wholesale prices in 1972-73 was built into the deflators by states to adjust the state prices to all-India level (Annexure 2).

The poor in this study are identified as those persons whose calorie intake is less than 2,150 per day, which is the Indian Council of Medical Research's (ICMR) per capita recommended daily intake for Indians. The monthly per capita expenditure equivalent to meet this calorie intake was assessed at Rs. 40 in 1970-71 (Annexure 2). A uniform poverty line across the states is justified in the light of the above price adjustment.

Comments on prices are presented in Chapter 2 along with analytical findings for the rural areas. Analytical findings for the urban areas are presented in Chapter 3. Annexure 1 is a short bibliography, Annexure 2 provides the data base and the methodology and Annexures 3 & 4 contain the detailed tables and figures.

Table 1.1

State NSSO Prices and All India Wholesale Prices : Rural
(1972-73)

State	Cereals	Rice	Wheat	Jowar	Bajra	Maize
Andhra Pradesh	1.20	1.36	1.33	1.06	0.86	0.97
Bihar	1.36	1.58	1.23	0.80	1.00	1.04
Gujarat	1.30	2.08	1.20	1.30	1.22	1.01
Haryana	0.98	1.24	0.96	1.00	1.03	0.76
Himachal Pradesh	1.12	1.51	1.12	1.00	1.00	-
Karnataka	1.32	1.66	1.13	1.26	1.10	1.12
Kerala	1.69	1.75	0.95	1.00	-	-
Madhya Pradesh	1.03	1.17	0.98	0.84	0.89	0.92
Maharashtra	1.28	1.71	1.11	1.21	1.43	1.17
Orissa	1.20	1.24	1.18	1.00	-	1.00
Punjab	0.81	1.25	0.83	0.75	0.80	0.64
Rajasthan	1.06	1.65	1.09	0.93	1.11	0.97
Tamil Nadu	1.08	1.22	1.14	0.83	0.79	0.86
Uttar Pradesh	1.01	1.30	0.98	0.78	0.81	0.79
W. Bengal	1.42	1.48	1.17	-	-	1.25
All India Wholesale prices	1.31	1.62	1.07	1.05	1.06	0.89

CHAPTER 2

FOOD CONSUMPTION PROFILE OF HARYANA: RURAL

I Comments on Prices

Implicit prices of NSSO in this state are 22% lower than wholesale prices in urban areas and 27% lower than wholesale prices in rural areas. Relatively lower rural prices are the result of a significant proportion of food obtained from own production. Inter-class variations are as much as 16% higher for the rich than for the poor in the rural areas. These variations are indicative of a mix of cheaper and lower quality products for the poor as well as greater effort on their part to procure goods at lower prices. These variations are about 14% in urban areas (Annexure 2).

II. RURAL AREAS

Analysis in this report is based on tables and figures in Annexures 3 and 4.

Average monthly per capita expenditure on all items (MPCE) was around Rs.71 in most of the years from 1961-83. The minimum MPCE was Rs.64 in 1967-68 and the maximum was Rs.81 in 1972-73. MPCE averaged over the three lowest deciles (1, 2 & 3) varied between Rs.36 (1967-68) to Rs.42 (1983): the nodal value being Rs.38. The minimum of the average MPCE of the upper deciles (average of 7th, 8th and 9th decile) was Rs.77 in 1973-74 and the maximum was Rs.97 in 1970-71. The percentage decline in MPCE from 1961-83 was 7%. The decline of 11% was greater in the case of the lower deciles as compared to the 10% decline of the upper deciles. (Figures 1 & 2).

The per capita monthly expenditure on food was around 60% of the expenditure on all items, and of this 40% was spent on foodgrains. The distribution of the expenditure on foodgrains by deciles was narrower than that of expenditure on food and on all items, i.e. there is much less variation between the lower and the upper deciles with respect to expenditure on foodgrains as compared to total expenditure. (Figures 1,3,4 & 5).

The expenditure on pulses and milk constituted a large proportion of total expenditure. Expenditure on pulses remained constant throughout the study period whereas expenditure on milk increased (Figure 1).

The composition of cereals consumed did not change in this period. Consumption of rice, wheat and coarse grains declined during this period (Figure 1).

The daily per capita consumption of cereals in the state was 611 gms in 1961-62 which declined to 582 gms. in 1970-71, and to 472 gms. in 1977-78 and was at 438 gms. in 1983. The decline during 1961-83 was 34%. The consumption of cereals by the lower deciles (average of the three lowest deciles) declined from 507 gms. in 1961-62 to 349 gms. in 1983 and that of the upper deciles declined from 781 gms. in 1966-67 to 502 gms. in 1983. The percentage decline was greater in the upper deciles.

The daily per capita consumption of pulses increased steadily from 33 gms. in 1966-67 to 34 gms. in 1983, an increase of 3%. The pulse consumption of the lower deciles remained constant at 21 gms. in 1966-67 and 1983. The consumption of pulses by the upper deciles rose from a level of 39 gms. in 1966-67 to 42 gms. in 1983.

The daily consumption of milk per person was 548 mls. in 1966-67, declined to 479 mls. in 1970-71 and increased to 584 mls. in 1983. There was an overall increase of 6% during 1966-67 to 1983. The lower deciles consumed very little milk - about 222 mls. in 1966-67 and 271 mls. in 1983. Compared to this the upper deciles consumed much larger quantitites of milk, almost three times that of the lower deciles.

The estimated daily average energy consumption was 2700 Kcal in 1966-67 which was reduced to 2,400 Kcal in 1983. The daily calorie intake of the lowest decile was rather poor keeping at 1,300 Kcal with little changes during the study period. The average calorie consumption of the three lowest deciles declined from 2,132 Kcal in 1966-67 to 1,621 Kcal in 1983, a decline of 24%. The change in the daily energy consumption of the average of the three upper deciles was from 3,834 Kcal in 1961-62 to 2,843 Kcal in 1983. The decline was 26% (Figure 8). About 30% of the people derived more than 75% of their calorie intake from cereals.

The average daily per capita protein consumption was sufficiently high at 82 gms. in 1966-67 which gradually declined to 72 gms. in 1983. The average per capita protein intake of the three lowest deciles kept falling throughout the study period, from 64 gms. in 1961-62 to 48 gms. in 1983, a fall of 25%. The upper deciles average protein intake also declined by 26% from 116 gms. to 86 gms. during 1961-83 (Figure 9).

The percentage of the population below the ICMR recommended daily per capita calorie intake of 2,150 increased from 20% in 1961-62 to 50% in 1983.

The percentage of population below the ICMR recommended consumption level of 45.2 gms. of protein increased from nil in 1961-62 to 10% in 1983.

The percentage of persons falling short of pulse protein to cereal protein (4:1, ICMR norm) and thereby the quality of protein in diet was almost 100%. Everyone was sufficient in milk getting over 100 mls. a day but deficient in oil getting less than 31 gms. a day (ICMR norm).

The percentage of persons falling below the poverty line, consumption expenditure of Rs.40 at 1970-71 prices, increased from 12% to 18% in 1983 (Figure 10).

The level of poverty in terms of consumption expenditure of Rs.40 was nearly 50% of that in terms of energy consumption in 1983 (using ICMR recommended intake of 2,150 kcal).

CHAPTER 3

FOOD CONSUMPTION PROFILE OF HARYANA: URBAN

URBAN AREAS

Average monthly per capita expenditure on all items (MPCE) was around Rs.77 in most of the years during 1961-83. The minimum MPCE was Rs.58 in 1965-66 and the maximum was Rs.79 in 1968-69. MPCE averaged over the three lowest deciles (1, 2 & 3) varied between Rs.29 (1967-68) to Rs.39 (1966-67): the modal value being Rs.35. The minimum of the average MPCE of the upper deciles (average of 7th, 8th and 9th decile) was Rs.76 in 1967-68 and the maximum was Rs.97 in 1983. The percentage increase in MPCE from 1961-83 was 16%. The increase of 23% was greater in case of the upper deciles as compared to the 19% decline of the lower deciles (Figures 11 & 12).

The per capita monthly expenditure on food was around 66% of the expenditure on all items, and of this 35% was spent on foodgrains. The distribution of the expenditure on foodgrains by deciles was narrower than that of expenditure on food and on all items, i.e. there is much less variation between the lower and the upper deciles with respect to expenditure on foodgrains as compared to total expenditure (Figures 11, 13, 14, & 15).

The expenditure on pulses and milk constituted a large proportion of total expenditure. Expenditure on pulses and milk increased during the study period (Figure 11).

The composition of cereals consumed changed marginally in this period. Consumption of rice increased and that of wheat declined (Figure 16).

The daily per capita consumption of cereals in the state was 451 gms. in 1966-67, which declined to 380 gms. in 1983. in 1983. The decline during 1961-83 was 16%. The consumption of cereals by the lower deciles (average of the three lowest deciles) increased from 316 gms. in 1966-67 to 321 gms. in 1983 and that of the upper deciles declined from 499 gms. in 1966-67 to 375 gms. in 1983.

The daily per capita consumption of pulses increased steadily from 31 gms. in 1966-67 to 41 gms. in 1983, an increase of 32%. The pulse consumption of the lower deciles remained constant at 21 gms. in 1966-67 and 1983. The consumption of pulses by the upper deciles rose from a level of 39 gms. in 1966-67 to 42 gms. in 1983.

The daily consumption of milk per person was 359 mls. in 1966-67, declined to 355 mls. in 1970-71 but increased to 465 mls. in 1983. There was an overall increase of 15% during 1961-62 to 1983. The lower deciles consumed sufficient milk - about 181 mls. in 1966-67 and 185 mls. in 1983. As compared to this the upper deciles consumed much larger quantitites of milk, almost three and a half times that of the lower deciles in 1983.

ANNEXURE 1

BIBLIOGRAPHY

This brief bibliography is in addition to the one annexed in Dr. Evenson's report on Food Consumption, Nutrient Intake and Agricultural Production in India, and primarily covers the referred articles and books.

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ANNEXURE 2

DATA BASE AND METHODOLOGY

I. Data Base

This study is based on the direct estimates of consumption expenditure of foodgrains and other articles made available by the National Sample Survey Organization (NSSO) since 1961. NSSO collects information on socio-economic variables on the basis of rounds, each round extending from a few months to over a year, using stratified multi-stage sampling design. Information on consumer expenditure was collected in all the rounds till the 28th round (1973-74), thereafter it was decided to collect this information every five years. The NSSO seeks to estimate all expenditures incurred by the household sector exclusively towards non-productive purposes. It includes consumption out of home grown produce, gifts, loans etc. Consumption here refers to non-productive expenditure incurred by the household during the reference of thirty days preceding the date of interview of the household. Data on monthly per capita consumer expenditure are presented by items of consumption, per capita expenditure classes, for all India and individual states for rural and urban areas separately. State-wise information is available from round 17 (61-62) except in round 19 (64-65) up to round 38 (1983).

A. Limitations of the NSSO Data for Analytical Purposes

The NSSO data, though uniform with respect to various concepts and definitions over time, still suffers from a few limitations stated below:

1. Period of enquiry in NSSO rounds ranges from a few months to over a year. It was from 14th round i.e. July 1958 - June 1959, that the period of enquiry was fixed to one year. The beginning of the round varied over the year.

2. The reference period in NSSO rounds is a moving period. The sample households are interviewed at different dates during the period of enquiry. This may produce a seasonality bias.

3 Number and structure of expenditure classes in NSSO rounds change over time. A re-arrangement of classes is required to make the data comparable.

4 Item coverage in NSSO rounds changed from time to time, necessitating a reclassification to general consistent time series for these items over the study period.

5 Difficult and complicated sampling design adopted by NSSO renders the computation of the standard error of the estimates difficult. Therefore conventional statistical tests of significance of various estimates is not possible.

6. The NSSO estimates of aggregates and distribution are affected by the particular method of consumption valuation. The NSSO values consumption out of cash purchases at actual purchase price, that out of home grown stock at ex-farm price and that out of barter and transfers at the average retail prices. The proportion of purchased articles to home grown consumption differs from class to class and year to year, and also prices actually paid by each class, place and year are different. This valuation procedure leads to inter-class and inter-regional price variations. This renders any selected price indices inappropriate for deflation of these expenditures for inter-temporal and inter-state comparisons.

II. Construction of Appropriate Deflators

The NSSO provides estimates of per capita expenditure by items of consumption and by per capita expenditure classes in every round at current prices. These expenditures need to be expressed at the same constant prices to be of any comparative use. The procedure of valuation of quantitative consumption is such that the actual recorded prices tend to vary over expenditure classes, states and places. The relative changes in prices of food items, too vary over the years.

In view of this, the task of constructing appropriate price indices to deflate these expenditures is formidable. The complications involved motivated quite a few researchers to bypass the requirement. They, instead preferred to adopt fractile analysis with expenditures at current prices and express the results as bottom X% of population incurring Y% of expenditure in year 1, 2 and so on. A comparison of $Y_{1\%}$ with $Y_{2\%}$ then provides the required over-time change.

The adequacy of this approach is put to stake by inter-class variations in prices. The relative expenses of the X% of population in real terms are likely to be at variance with their expenses in monetary terms. Fractile analysis, in fact, is a mechanism to regularise the unequal and irregular classes. A realistic, comparative picture over time emerges with the fractile analysis applied to real expenses only. This places an added importance on formation of appropriate deflators.

Montek Ahluwalia (1986) and Uma Dutta Chaudhry (1966) deflated the per capita expenditures incurred by each decile before estimating poverty. A tacit assumption of an income-distribution unaffected by price changes is thereby made. The NSSO data reveal that the prices paid by the poorer classes are lower by as much as 30% in almost all the states. The income distribution in real terms is, thus, different from income distribution in monetary terms.

NSSO round 17, 27, 28 & 32, per capita expenditure estimates of eight major cereals, total cereals, pulses and grams by per capita expenditure classes are presented in monetary values as well as in quantities. Based on this information, average and class-wise NSSO prices were calculated. On examination, these prices revealed the following types of variation:

(i) Price changes over time
(ii) Price charges over classes
(iii) Price changes over states including rural/urban variations
(iv) Price changes over commodities

Introduced price adjustment factors should take account of these variations.

Wholesale price indices in India provide the most consistent and extensive series of price indices. Other available indices like Consumer Price Indices for Agricultural Labourers (CPIAL) and Cost of Living Indices for Industrial Workers are class-specific. Besides, the divergence between the Consumer Price Indices of Agricultural Labourers and the NSSO implicit price indices based on foodgrains is consistently greater than the divergence between the wholesale price indices and the implicit NSSO price indices. The usage of CPIAL, therefore, is not considered appropriate. The use of wholesale price indices, with suitable adjustment factors for inter-class price variations and adapted to state specific NSSO implicit price indices, is considered to be the most appropriate deflator.

A. Formulation for the Deflators

Let i denote the commodities of NSSO data
r denote the rounds of NSSO
c denote the per capita expenditure classes
j denote the state i.e. Rural and Urban for the fifteen study states.

Let

I_{ri} be the wholesale price index for round r and commodity i on the selected base 1970-71

R_{cj} be the inter-class price ratio for state j class c averaged over r and i

K_{rj} be the ratio of NSSO price indices to wholesale price indices for round r and state j averaged over cereals and pulses.

Then, the required deflators are given by:

$$D_{rijc} = I_{ri} \times R_{ij} \times K_{rj}.$$

NSSO Prices for per capita expenditure classes and average of all expenditure classes for foodgrains, cereals and pulses were used to obtain R_{cj} and K_{rj}.

B. Formulation of Inter-Class Adjustment Factors

Let

V_{rijc} be the value of expenditure (Rs.) on commodity i by class c in round r and state j.

Q_{rijc} be the quantity consumed in kg. of commodity i by class c in round r and state j.

Then

$$P_{rijc} = \frac{V_{rijc}}{Q_{rijc}}$$ = Price of commodity i paid by class c in round r and state j

$P_{rij} = \frac{V_{rij}}{Q_{rij}}$ = Average price of commodity i in round r and state j.

$R_{rijc} = \frac{P_{rijc}}{P_{rij}}$ = Ratio of price of commodity i paid by class c to average Price of that commodity in round r state j.

$$R_{icj} = \frac{\sum_r R_{icjr}}{\text{No. of Rounds}}$$

$$R_{cj} = \frac{\sum_r R_{icj}\ V27\ icj}{\sum_i V27icj}$$

Rcj are the inter-class adjustment factors to be used for rounds 17-28 for all commodities. Rcj's calculated from cereals and pulses are assumed to hold good for all other commodities, the quantity data for which were not available. Table A 2.1 and A 2.2 give the estimated inter-class adjustment factors.

Prices paid by the open ended class were observed to change substantially when that class was closed and a new open ended class formed. Therefore an average adjustment factor was worked out for all the classes formed by breaking the earlier open ended classes.

The class structure of round 32 and 38 is altogether different from the earlier rounds. Inter-class price ratios for round 32 therefore, are based on this round itself. For round 38, the inter class price ratios are based on the weighted average of the ratios of matching classes of round 32 (Tables A 2.3 to A 2.6).

C. Formulation of Ratio of NSSO to Wholesale Prices

On the basis of average NSSO prices of cereals and pulses, price relatives were computed with 1972-73 as the base for every round for which the NSSO prices could be computed. 1972-73 was selected as the base for this purpose as quantity data and hence prices for the 1970-71 round were not available. These price relatives were compared with wholesale price indices for corresponding years with the base as 1972-73. The ratio of NSSO prices to wholesale prices was computed for each of these rounds. These ratios averaged over commodities were used as adjustment factors to wholesale price indices for the respective rounds. For the remaining rounds an average of these ratios over all the rounds was used (Tables A 2.7 & A 2.8).

Formulation

Let

$Lrij = \frac{Prij}{P27ij}$ be the price relative of average NSSO prices of cereals and pulses in round r to that in round 27.

Then $$K_{rij} = \frac{L_{rij}}{I_{ri}} \times \frac{P_{27ij}}{P_{27i}}$$

r = 17, 27, 28, 32 for all cereals and pulses.

$$K_{rj} = \frac{\sum K_{rij} \; V_{27ij}}{\sum V_{27ij}}$$ for all cereals and pulses.

Where P_{27i} is the all India Wholesale Price of cereals and pulses for the year corresponding to 27th round i.e. 1972-73.

K_{rj} are the required adjustment factors used for all commodities.

$$K_j = \frac{\sum_r K_{rj}}{\text{No. of rounds}}$$

for r other than above.

The state-All India price variations exist not only in the rate of change in prices over the years but also in the level of operative prices. The factor L_{rij}/I_{ri} takes care of the variation in the rate of change and the factor P_{rij}/P_{ri}, the ratio of state NSSO prices to All India prices, takes care of the variations in the level of prices.

Per capita food expenditure in real terms is a simple sum of the estimated deflated per capita expenditures of the individual food items. Per capita non-food expenditures are deflated by weighted price indices of all items and food items.

$$I_{rNF} = \frac{I_r - 0.7\, I_{rf}}{0.3}$$

where I_{rNF} are the price indices of non-food items
I_{rf} are the price indices of total of food items
I_r are the price indices of all consumer items

Expenditure ratio on food to non-food items was calculated from NSSO data.

Per capita deflated expenditures on all items were obtained by summing up deflated expenditure on food and non-food items.

III. Nutrition Estimates

Nutrition estimates were obtained from the per capita expenditure on food items at constant prices following two steps.

(i) The real per capita expenditures in terms of 1970-71 prices of foodgrains, cereals, pulses and other food articles were divided by their respective wholesale prices in 1970-71 to get the quantity estimates. Table A 2.9 gives the prices of food items at 1970-71 prices.

(ii) These quantity estimates were subjected to standard nutritive value conversion factors from the National Institute of Nutrition (Table A 2.10) to estimate the per capita intake of calories and protein.

IV. Definition of Poverty

The poor, in this study are indentified as those persons whose calorie intake is less than the ICMR recommended intake of 2,150 kcal per day. The expenditure 'equivalent of this calorie norm at 1970-71 prices has been worked out at Rs. 40 as follows:

Considering that 60% of total expenditure is spent on calorie giving food (Proportion of total expenditure on food is 70% and of this 85% is on calorie giving food) and assuming that this food consists of foodgrains only the 'equivalent' expenditure is

$$\frac{2150}{347} \times 1.27 \times \frac{100}{60} \times 30 = \text{Rs. } 40$$

Rs. 1.27 is the price of 1 kg. foodgrain at 1970-71 prices and which contains 347 kcal per 100 grams.

V. Fractile Analysis

Inter-temporal comparison of NSSO estimates is obstructed by frequent changes in the class structure of per capita expenditures in NSSO data. Fractile analysis provides a methodology for conversion to a uniform class pattern. Fractile groups are obtained by arranging the sample households in ascending order of per capita expenditure and then dividing them into a suitable number of groups of equal population size from the bottom. The present study, however, considers the usage of number of sample persons instead of sample households as a more meaningful measure for a study of per capita expenditures. This study attempts to estimate the proportion of total expenditure, upper terminal value and average value of per capita expenditure by fractile groups (deciles). It also attempts to provide these estimates for various subheads like expenditures on food items, total of food and total of non-food. Intake of calories and protein is also estimated by deciles.

Annexure II of the report entitled 'Food Consumption, Nutrient Intake and Agricultural Production in India' by R.E. Evenson prepared for USAID in 1986 describes the procedure of fractile analysis in detail and indicates the modifications required for the analysis of NSSO data. The formula for Gini ratio and Sen's index of poverty are also included in the Evenson report.

Table A 2.1

State Wise Inter-Class Ratios
(For rounds 17-28)

Rural

Per Capita Expenditure Classes	AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
0-8	0.84	0.80	0.79	0.90	0.84	0.82	0.85	0.84	0.84	0.92	0.95	0.86	0.92	0.92	0.95
8-11	0.84	0.80	0.79	0.90	0.84	0.82	0.85	0.84	0.84	0.92	0.95	0.86	0.92	0.92	0.95
11-13	0.84	0.80	0.79	0.90	0.84	0.82	0.85	0.84	0.84	0.92	0.95	0.86	0.92	0.92	0.95
13-15	0.84	0.80	0.79	0.90	0.84	0.82	0.90	0.88	0.84	0.92	0.95	0.86	0.92	0.95	0.96
15-18	0.89	0.80	0.88	0.90	0.84	0.84	0.90	0.91	0.84	0.96	0.95	0.86	0.92	0.95	0.96
18-21	0.92	0.83	0.91	0.90	0.84	0.90	0.91	0.93	0.84	0.96	0.95	0.86	0.93	0.96	0.98
21-24	0.93	0.87	0.95	0.94	0.90	0.90	0.93	0.93	0.84	0.96	0.95	0.93	0.95	0.96	0.98
24-28	0.98	0.90	0.96	0.94	0.90	0.92	0.96	0.96	0.93	0.99	0.96	0.95	0.95	0.96	0.99
28-34	0.98	0.92	0.99	0.95	0.90	0.96	0.96	0.97	0.93	1.00	0.96	0.97	0.99	0.96	0.99
34-43	1.02	0.97	1.00	0.96	0.90	1.03	0.96	1.01	1.00	1.03	1.01	0.98	1.00	1.00	0.99
43-55	1.04	1.01	1.01	0.98	0.96	1.04	0.96	1.07	1.00	1.09	1.02	1.02	1.02	1.00	1.03
55-75	1.10	1.05	1.09	1.00	1.01	1.12	0.99	1.07	1.14	1.10	1.02	1.02	1.07	1.04	1.04
75-100	1.10	1.06	1.18	1.01	1.03	1.12	1.12	1.07	1.14	1.10	1.02	1.07	1.07	1.04	1.04
100-150	1.10	1.06	1.18	1.04	1.08	1.12	1.12	1.07	1.14	1.10	1.02	1.07	1.07	1.04	1.04
150-200	1.10	1.06	1.18	1.04	1.08	1.12	1.12	1.07	1.14	1.10	1.02	1.07	1.07	1.04	1.04
200 & above	1.10	1.06	1.18	1.04	1.08	1.12	1.12	1.07	1.14	1.10	1.02	1.07	1.07	1.04	1.04
Average	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
% Change (Last Class over Ist Class)	31	32	49	16	29	37	32	27	36	20	7	24	16	13	10

Table A 2.2

State Wise Inter-Class Ratios
(For rounds 17-28)

Per Capita Expenditure Classes	Urban														
	AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
0-8	0.88	0.84	0.88	0.92	0.88	0.85	0.85	0.86	0.73	0.91	0.90	0.81	0.90	0.85	0.90
8-11	0.88	0.84	0.88	0.92	0.88	0.85	0.85	0.86	0.73	0.91	0.90	0.81	0.90	0.85	0.90
11-13	0.88	0.84	0.88	0.92	0.88	0.85	0.85	0.86	0.73	0.91	0.90	0.81	0.90	0.85	0.90
13-15	0.88	0.84	0.88	0.92	0.88	0.88	0.90	0.86	0.73	0.94	0.90	0.81	0.93	0.85	0.90
15-18	0.91	0.84	0.90	0.94	0.88	0.88	0.90	0.90	0.73	0.94	0.90	0.81	0.93	0.89	0.90
18-21	0.92	0.84	0.90	0.95	0.88	0.92	0.91	0.90	0.83	0.94	0.93	0.82	0.93	0.89	0.90
21-24	0.93	0.84	0.90	0.95	0.88	0.92	0.93	0.94	0.83	0.94	0.93	0.86	0.93	0.90	0.90
24-28	0.95	0.87	0.90	0.95	0.88	0.95	0.96	0.94	0.86	0.95	0.96	0.88	0.93	0.94	0.93
28-34	0.97	0.90	0.90	0.95	0.88	0.95	0.96	0.95	0.90	0.95	0.96	0.93	0.97	0.95	0.93
34-43	1.00	0.93	0.96	0.96	0.88	0.95	0.96	1.02	0.95	0.98	0.98	0.96	0.98	0.99	0.97
43-55	1.02	1.00	0.99	0.99	0.94	1.01	0.96	1.08	1.03	0.98	0.98	1.00	1.07	1.04	0.99
55-75	1.07	1.01	1.05	1.01	0.97	1.06	0.99	1.08	1.09	1.03	0.98	1.01	1.07	1.07	1.03
75-100	1.07	1.08	1.17	1.03	0.98	1.16	1.12	1.08	1.14	1.06	1.01	1.08	1.07	1.07	1.03
100-150	1.07	1.08	1.17	1.03	1.00	1.16	1.12	1.08	1.14	1.06	1.03	1.08	1.07	1.07	1.03
150-200	1.07	1.08	1.17	1.05	1.05	1.16	1.12	1.08	1.14	1.06	1.03	1.08	1.07	1.07	1.03
200 & above	1.07	1.08	1.17	1.12	1.05	1.16	1.12	1.08	1.14	1.06	1.03	1.08	1.07	1.07	1.03
Average	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
% Change (Last class Over Ist Class)	22	29	33	14	27	36	32	26	56	16	14	33	19	26	14

Table A 2.3

State Wise Inter-Class Ratios
(For round 32)

Rural

Per Capita Expenditure Classes	AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
0-10	0.73	0.94	0.75	0.93	0.82	0.85	0.92	0.84	0.77	0.92	0.96	0.74	0.82	0.86	0.91
10-15	0.73	0.94	0.75	0.93	0.82	0.85	0.92	0.84	0.77	0.92	0.96	0.74	0.82	0.86	0.91
15-20	0.73	0.94	0.75	0.93	0.82	0.85	0.92	0.84	0.77	0.92	0.96	0.74	0.82	0.86	0.91
20-30	0.81	0.94	0.75	0.93	0.82	0.85	0.92	0.84	0.80	0.95	0.96	0.92	0.88	0.88	0.96
30-35	0.86	0.94	0.84	0.97	0.92	0.91	0.94	0.95	0.89	0.96	0.96	0.92	0.93	0.94	0.96
35-40	0.92	0.95	0.89	0.97	0.96	0.94	0.95	0.96	0.92	0.99	0.96	0.92	0.94	0.95	0.97
40-50	0.95	0.97	0.94	0.99	0.96	1.00	0.98	1.00	0.97	0.99	1.03	0.98	0.95	0.97	0.98
50-60	0.98	0.99	0.99	0.99	0.99	1.01	0.99	1.02	0.97	1.02	1.03	0.98	1.01	1.00	0.99
60-70	1.02	1.01	1.01	1.00	0.99	1.09	0.99	1.04	1.05	1.03	1.03	1.02	1.01	1.08	1.01
70-80	1.04	1.02	1.04	1.00	1.00	1.10	1.02	1.04	1.06	1.04	1.03	1.02	1.01	1.08	1.03
80-100	1.04	1.04	1.04	1.00	1.01	1.15	1.02	1.04	1.08	1.04	1.03	1.02	1.06	1.08	1.03
100-150	1.08	1.08	1.12	1.02	1.06	1.25	1.07	1.06	1.13	1.06	1.03	1.02	1.10	1.08	1.05
150-200	1.08	1.08	1.12	1.02	1.06	1.25	1.07	1.06	1.13	1.06	1.03	1.02	1.10	1.08	1.05
200 & above	1.08	1.08	1.12	1.02	1.06	1.25	1.07	1.06	1.13	1.06	1.03	1.02	1.10	1.08	1.05
Average	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
% Change (last Class over Ist Class)	46	15	49	11	29	47	16	26	7	15	47	46	34	26	15

Table A 2.4

State Wise Inter-Class Ratios
(For round 32)

Per Capita Expenditure Classes	AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
											Urban				
0-10	0.88	0.86	0.89	1.00	0.88	0.81	0.93	0.84	0.70	0.87	0.96	0.86	0.84	0.91	0.91
10-15	0.88	0.86	0.89	1.00	0.88	0.81	0.93	0.84	0.70	0.87	0.96	0.86	0.84	0.91	0.91
15-20	0.88	0.91	0.89	1.00	0.88	0.81	0.93	0.84	0.70	0.88	0.96	0.86	0.84	0.91	0.91
20-30	0.88	0.92	0.89	1.00	0.88	0.81	0.98	0.84	0.70	0.90	0.96	0.86	0.88	0.91	0.91
30-35	0.89	0.93	0.89	1.00	0.88	0.85	0.98	0.91	0.75	0.93	0.96	0.94	0.92	0.91	0.93
35-40	0.91	0.93	0.91	1.00	0.92	0.89	0.99	0.92	0.78	0.93	0.98	0.95	0.92	0.93	0.93
40-50	0.93	0.96	0.91	1.00	0.94	0.91	0.99	0.94	0.83	0.96	0.98	0.96	0.95	0.94	0.97
50-60	0.98	0.98	0.95	1.00	0.94	0.96	1.01	0.99	0.84	0.97	0.98	0.96	0.97	0.97	0.98
60-70	0.99	1.00	0.99	1.00	0.95	1.01	1.01	1.01	0.94	0.99	1.00	0.99	0.99	1.00	0.99
70-80	1.00	1.02	0.99	1.00	0.98	1.06	1.01	1.04	0.97	1.03	1.00	0.99	1.00	1.00	0.99
80-100	1.01	1.06	1.00	1.00	1.06	1.11	1.03	1.06	1.00	1.03	1.07	1.02	1.02	1.01	1.02
100-150	1.05	1.15	1.07	1.00	1.07	1.22	1.03	1.08	1.08	1.07	1.11	1.09	1.07	1.12	1.10
150-200	1.05	1.15	1.07	1.00	1.07	1.22	1.03	1.08	1.23	1.07	1.11	1.09	1.07	1.12	1.10
200 & above	1.05	1.15	1.07	1.00	1.07	1.22	1.03	1.08	1.23	1.07	1.11	1.09	1.07	1.12	1.10
300 & above				1.00			1.03		1.23	1.07					
Average	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
% Change (last Class over Ist Class)	19	34	20	0	22	51	11	29	76	23	16	27	27	23	21

Table A 2.5

State Wise Inter-Class Ratios
(For round 38)

Rural

Per Capita Expenditure Classes	AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
0-30 (1)	0.73	0.92	0.72	0.93	0.82	0.77	0.89	0.81	0.72	0.90	0.96	0.76	0.79	0.81	0.93
30-40 (2)	0.86	0.92	0.83	0.97	0.94	0.84	0.92	0.92	0.83	0.95	0.96	0.92	0.89	0.89	0.96
40-50 (3)	0.91	0.95	0.90	0.99	0.96	0.91	0.95	0.96	0.90	0.98	1.00	0.98	0.90	0.93	0.98
50-60 (3)	0.94	0.97	0.95	0.99	0.99	0.92	0.96	0.98	0.90	0.99	1.00	0.98	0.95	0.98	0.99
60-70 (3)	0.98	0.99	0.97	1.00	0.99	0.99	0.96	1.00	0.97	1.00	1.00	1.02	0.96	1.02	1.01
70-85 (4)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	1.02	0.96	1.02	1.03
85-100(4)	1.00	1.02	1.00	1.00	1.00	1.01	1.00	1.00	1.00	1.02	1.00	1.02	1.00	1.02	1.03
100-125(5)	1.04	1.03	1.04	1.02	1.04	1.13	1.00	1.00	1.05	1.02	1.00	1.02	1.03	1.02	1.04
125-150(5)	1.04	1.03	1.04	1.02	1.04	1.13	1.00	1.00	1.05	1.02	1.00	1.02	1.03	1.02	1.04
150-200(3)	1.04	1.07	1.09	1.02	1.07	1.15	1.00	1.02	1.05	1.02	1.02	1.08	1.05	1.02	1.06
200-250(6)	1.04	1.07	1.09	1.02	1.07	1.15	1.11	1.04	1.05	1.02	1.02	1.08	1.05	1.02	1.06
250-300(6)	1.04	1.07	1.09	1.02	1.08	1.15	1.11	1.04	1.05	1.02	1.02	1.08	1.05	1.02	1.06
300 & above (6)	1.04	1.07	1.09	1.02	1.08	1.15	1.11	1.04	1.05	1.02	1.02	1.08	1.05	1.02	1.06
Average	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
% Change (Last Class Over Ist Class)	42	16	51	10	32	49	25	28	46	13	6	42	33	26	14

(1) Weighted average of the class ratios of round 32 classes 0-10, 10-15, and 20-30.
(2) Weighted average of the class ratios of round 32 classes 30-35 and 35-40.
(3) As in comparable classes of round 32.
(4) As in class 70-80 and 80-100 of round 32.
(5) As in class 100-150 of round 32.
(6) As in class 200 and above of round 32.
(7) Class ratios in round 38 as obtained on the basis of round 32, as mentioned in notes (1) to (6), were modified equating the ratio of class 70-85 or 85-100 to 1.00.

Table A 2.6

State Wise Inter-Class Ratios
(For round 38)

Per Capita Expenditure Classes		AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
													Urban			
0-30	(1)	0.89	0.85	0.89	1.00	0.88	0.73	0.93	0.81	0.70	0.87	0.92	0.84	0.84	0.88	0.89
30-40	(2)	0.89	0.89	0.90	1.00	0.90	0.78	0.97	0.89	0.76	0.91	0.93	0.92	0.90	0.89	0.91
40-50	(3)	0.92	0.92	0.91	1.00	0.94	0.82	0.98	0.90	0.83	0.94	0.94	0.94	0.93	0.90	0.95
50-60	(3)	0.97	0.94	0.95	1.00	0.94	0.86	1.00	0.95	0.84	0.96	0.94	0.94	0.95	0.93	0.96
60-70	(3)	0.98	0.96	0.99	1.00	0.95	0.91	1.00	0.97	0.94	1.00	0.96	0.97	0.97	0.96	0.97
70-85	(4)	0.99	0.98	0.99	1.00	0.98	0.95	1.00	1.00	0.97	1.00	0.96	0.97	0.98	0.96	0.97
85-100	(4)	1.00	1.02	1.00	1.00	1.06	1.00	1.02	1.02	1.00	1.04	0.97	1.00	1.00	0.97	1.00
100-125	(5)	1.03	1.04	1.04	1.00	1.06	1.04	1.02	1.02	1.08	1.04	1.07	1.05	1.03	1.04	1.05
125-150	(5)	1.03	1.04	1.04	1.00	1.06	1.04	1.02	1.02	1.08	1.04	1.07	1.05	1.03	1.04	1.05
150-200	(3)	1.05	1.11	1.08	1.00	1.07	1.07	1.02	1.05	1.08	1.04	1.07	1.07	1.05	1.05	1.09
200-250	(6)	1.05	1.11	1.08	1.00	1.07	1.07	1.02	1.05	1.23	1.04	1.07	1.07	1.08	1.05	1.09
250-300	(6)	1.05	1.11	1.08	1.00	1.08	1.07	1.02	1.05	1.23	1.04	1.07	1.07	1.08	1.05	1.09
300 & above	(6)	1.05	1.11	1.08	1.00	1.08	1.07	1.02	1.05	1.23	1.04	1.07	1.07	1.08	1.05	1.09
Average		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
% Change (Last Class Over Ist Class)		18	31	21	0	23	47	10	30	76	20	16	27	29	19	22

(1) Weighted average of the class ratios of round 32 classes 0-10, 10-15, and 20-30.
(2) Weighted average of the class ratios of round 32 classes 30-35 and 35-40.
(3) As in comparable classes of round 32.
(4) As in class 70-80 and 80-100 of round 32.
(5) As in class 100-150 of round 32.
(6) As in class 200 and above of round 32.
(7) Class ratios in round 38 as obtained on the basis of round 32, as mentioned in notes (1) to (6), were modified equating the ratio of class 70-85 or 85-100 to 1.00.

Table A 2.7

NSS to wholesale Price Ratio

	Rural														
Round	AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
17	0.90	0.90	0.77	-	-	0.78	1.09	0.69	0.80	0.79	0.71	0.60	0.93	0.72	1.02
18	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
20	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
21	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
22	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
23	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
24	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
25	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
27	0.92	1.04	0.99	0.75	0.86	1.01	1.29	0.79	0.98	0.91	0.62	0.81	0.82	0.77	1.08
28	0.92	1.32*	0.98	0.74	0.91	1.03	1.55*	0.91	1.01	0.85	0.66	0.79	0.92	0.88	1.31*
32	0.87	0.93	0.78	0.70	0.78	0.79	1.05	0.98	0.73	0.83	0.70	0.66	0.90	0.70	0.93
38	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01
Average	0.90	0.96	0.88	0.73	0.85	0.91	1.15	0.84	0.88	0.86	0.67	0.72	0.89	0.77	1.01

* 1) Figure being abnormal was excluded from calculation of average.

Table A 2.8

NSS to wholesale Price Ratio

	Urban														
Round	AP	BI	GU	HA	HP	KA	KE	MP	MA	OR	PU	RA	TN	UP	W.B.
17	1.02	0.99	1.01	-	-	0.96	1.11	0.79	1.03	0.96	0.83	0.79	1.10	0.94	1.07
18	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
20	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
21	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
22	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
23	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
24	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
25	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
27	1.08	1.15	1.08	0.82	1.03	1.18	1.32	0.89	1.04	1.01	0.76	0.87	0.97	0.86	1.08
28	1.06	1.44*	1.15	0.81	1.04	1.11	1.13	1.02	1.06	1.00	0.78	0.88	1.08	1.03	1.32
32	1.00	1.07	0.93	0.72	0.90	0.93	1.15	0.87	0.91	1.00	0.79	0.81	1.09	0.80	1.00
38	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05
Average	1.04	1.08	1.04	0.78	0.99	1.04	1.18	0.89	1.01	0.99	0.79	0.84	1.06	0.91	1.05

* 1) Figures not included for being abnormal

Table A 2.9
Prices of Food Items at 1970-71 Prices

Food Items	1970-71 Prices per kg. (Rs.)
Rice	1.35
Wheat	1.06
Jawar	0.82
Bajra	0.76
Barley	0.65
Maize	0.68
Ragi	0.65
Sm. Millets	0.68
Grams	1.08
Cereals Substitutes	0.68
Cereals (a)	1.14
Pulses	1.56
Milk	1.16
Edible oils	5.33
Meat, egg and fish	5.12
Vegetable and fruits	1.11
Sugar	1.97
Salt and spices	0.19
Beverages	0.16
Food grains (a)	1.27

(a) computed by using weights assigned to individual commodities in wholesale price indices.

Table A 2.10
Nutrient contents of Food Items

Food Items	Kilo Calories (Per 100 gms.)	Protein (Per 100 gms.)
Rice	346	7.5
Wheat	346	11.8
Bajra	361	11.6
Jawar	336	10.4
Barley	336	11.5
Maize	342	11.1
Ragi	328	7.3
Grams	360	17.1
Cereals	338	9.6
Pulses	349	23.3
Foodgrains (a)	339	10.8
Edible oils	900	0.0
Milk	83	3.8
Fruits and vegetables	69	2.9
Meat, egg and fish	150	18.0
Sugar	398	0.1

(a) Weighted average of cereal and pulse calorie and protein content

Source:

1. Hand Book of Food and Nutrition Statistics by Food and Nutrition Board, Ministry of Agriculture, Govt. of India.
2. Nutritive Value of Indian Foods, by Gopalan C. Rama Sastri, B.V. and Balasubramanian, National Institute of Nutrition.

GUIDE TO TABLES

Abbreviations

States	Rural	Urban	
Andhra Pradesh	APR	APU	AP
Bihar	BIR	BIU	BI
Gujarat	GUR	GUU	GU
Haryana	HAR	HAU	HA
Himachal Pradesh	HPR	HPU	HP
Karnataka	KAR	KAU	KA
Kerala	KER	KEU	KE
Madhya Pradesh	MPR	MPU	MP
Maharashtra	MAR	MAU	MA
Orissa	ORR	ORU	OR
Punjab	PUR	PUU	PU
Rajasthan	RAR	RAU	RA
Tamil Nadu	TNR	TNU	TN
Uttar Pradesh	UPR	UPU	UP
West Bengal	WBR	WBU	WB

National Survey Sample Organization	NSSO
Wholesale Price Indices	WPI
NSS Implicit Prices	NIP

2. Rounds and Years

Rounds	Corresponding Yea
17	1961-62
18	1962-63
19	1964-65
20	1965-66
21	1966-67
22	1967-68
23	1968-69
24	1969-70
25	1970-71
27	1972-73
28	1973-74
32	1977-78
38	1983

3. Unit of Measurement

Titles of the Table	Unit of Measurement
Listing of Deciles by Commodities	Per Capita Monthly Expenditure in Rs. at 1970-71 prices.
Per Capita Energy Intake by Deciles	
Calories per day	Kcal
Protein per day	Grams
% Cereal Calories to total calories	Percent
% Pulse Protein to Cereal Protein	Percent
% Cereal Protein to Total Protein	Percent
% Sugar Calories to Total Calories	Percent
% Oil Calories to Total Calories	Percent
Poverty Line Rs.30, Rs.40 & Rs.50	Percent
Column 2: Percentage of persons below the poverty line	
Column 3: Mean Expenditure of people below the poverty line	Rs. at 1970-71 prices
Column 4: Gini coefficient of people below the poverty line	Absolute Number
Column 5: Sen's Index of Poverty	Absolute Number

Per Capita Consumer Expenditure by Lower Deciles (average of 1, 2 &3 Deciles) and Upper Deciles (average of 7, 8 & 9 Deciles)	Rs. at 1970-71 prices
Per Capita Energy Intake by Lower and Upper Deciles	
Calories	Kcal
Protein	Grams

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 1													
HAR	FOODGRAINS	20	15.67	18.96	18.61	21.07	20.73	20.84	23.40	24.74	27.29	34.58	21.39
HAR	FOODGRAINS	21	17.15	18.82	21.65	22.84	25.18	28.17	29.66	29.37	31.55	44.05	25.40
HAR	FOODGRAINS	22	14.26	15.76	17.37	19.59	18.63	20.31	20.63	23.42	24.08	30.29	18.91
HAR	FOODGRAINS	23	17.04	19.41	21.98	22.88	25.94	26.15	28.70	29.92	35.17	43.95	25.07
HAR	FOODGRAINS	24	14.58	17.64	19.97	20.46	21.52	23.86	25.43	22.43	28.06	50.59	23.22
HAR	FOODGRAINS	25	13.20	15.45	20.48	23.40	22.41	21.02	24.22	25.46	25.18	39.26	23.38
HAR	FOODGRAINS	27	13.46	16.77	19.40	19.64	22.04	21.86	25.21	25.26	25.37	24.62	22.09
HAR	FOODGRAINS	28	13.30	15.42	16.54	18.40	18.76	20.99	20.45	23.62	24.59	26.32	19.66
HAR	FOODGRAINS	32	12.18	15.41	16.33	18.45	18.70	18.66	21.04	20.49	24.72	23.96	18.69
HAR	FOODGRAINS	38	10.73	13.23	13.64	15.00	15.24	16.85	16.64	19.40	20.77	23.06	16.32

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 2													
HAR	CEREALS	20	13.35	16.35	16.00	18.11	17.87	17.86	20.05	20.71	23.44	30.16	18.33
HAR	CEREALS	21	16.17	16.78	19.06	20.15	22.25	24.89	25.86	26.16	26.11	39.93	22.63
HAR	CEREALS	22	13.48	14.79	16.62	18.74	17.81	19.42	19.76	22.43	22.90	27.81	17.91
HAR	CEREALS	23	13.74	15.49	18.33	19.66	22.29	21.34	23.42	23.45	27.58	33.68	20.10
HAR	CEREALS	24	12.80	15.84	17.93	18.02	18.75	20.78	22.12	19.11	23.90	43.09	20.20
HAR	CEREALS	25	11.60	13.12	15.03	17.17	17.61	18.71	20.77	21.10	20.47	31.93	19.90
HAR	CEREALS	27	12.85	15.75	18.26	18.16	20.40	19.94	22.99	22.51	22.06	21.71	19.90
HAR	CEREALS	28	13.19	15.10	15.97	17.76	18.02	20.16	19.28	22.23	22.53	23.63	18.55
HAR	CEREALS	32	11.91	14.81	15.60	17.63	17.76	17.35	19.57	18.76	22.63	21.55	17.43
HAR	CEREALS	38	10.34	12.65	12.79	14.07	14.02	15.50	15.11	17.61	18.80	20.27	14.97

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 5												
HAR JAWAR & FR	27	0.03	0.03	0.04	0.07	0.08	0.11	0.13	0.10	0.05	0.00	0.07
HAR JAWAR & FR	28	0.00	0.05	0.36	0.40	0.28	0.32	0.07	0.08	0.17	0.03	0.18
HAR JAWAR & FR	32	0.14	0.07	0.09	0.11	0.09	0.01	0.01	0.05	0.06	0.30	0.10

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 6												
HAR BAJRA & FR	27	1.15	1.92	2.22	2.35	2.64	3.32	3.83	3.74	2.85	1.56	2.77
HAR BAJRA & FR	28	3.43	3.57	2.68	2.98	2.99	3.34	3.58	4.13	3.92	2.50	3.25
HAR BAJRA & FR	32	0.76	0.88	1.05	1.18	1.24	1.03	1.16	1.03	1.24	0.92	1.05

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 3												
HAR RICE FR	27	1.12	1.46	1.69	1.59	1.79	1.61	1.86	1.60	1.66	2.12	1.64
HAR RICE & FR	28	1.04	0.74	1.12	1.24	1.38	1.54	1.07	1.23	0.94	1.40	1.11
HAR RICE & FR	32	1.13	1.35	1.61	1.82	1.80	1.90	2.14	2.15	2.59	2.53	1.86

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 4												
HAR WHEAT & FR	27	10.16	11.85	13.74	13.57	15.23	14.34	16.53	16.75	17.49	18.37	15.11
HAR WHEAT & FR	28	9.04	11.66	12.73	14.16	14.39	16.09	16.33	18.82	20.32	23.64	15.64
HAR WHEAT & FR	32	9.75	12.49	12.84	14.51	14.55	14.20	16.01	15.35	18.52	17.58	14.29

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 7												
HAR MAIZE & FR	27	0.70	0.69	0.80	0.87	0.97	0.81	0.93	0.68	0.58	0.71	0.70
HAR MAIZE & FR	28	0.50	0.39	0.62	0.69	0.76	0.85	0.43	0.50	0.19	0.06	0.47
HAR MAIZE & FR	32	0.30	0.31	0.30	0.33	0.37	0.48	0.54	0.50	0.60	0.49	0.41

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 8												
HAR RAGI & FR	27	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR RAGI & FR	28	0.00	0.00	0.07	0.08	0.05	0.06	0.00	0.00	0.00	0.00	0.02
HAR RAGI & FR	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR 9												
HAR BARLEY GFR	27	0.06	0.23	0.26	0.20	0.22	0.08	0.09	0.08	0.11	0.03	0.11
HAR BARLEY GFR	28	0.00	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.01
HAR BARLEY GFR	32	0.03	0.00	0.01	0.01	0.02	0.04	0.04	0.02	0.03	0.06	0.02

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR10												
HAR SM. MILLET	27	0.04	0.02	0.02	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01
HAR SM. MILLET	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
HAR SM. MILLET	32	0.00	0.00	0.00	0.00	0.03	0.02	0.02	0.00	0.01	0.09	0.02

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR11													
HAR	GRAM	20	1.46	1.37	1.30	1.47	1.33	1.49	1.66	2.13	1.91	2.17	1.57
HAR	GRAM	21	0.30	1.04	1.35	1.13	1.25	1.40	1.64	1.53	1.65	1.76	1.21
HAR	GRAM	22	0.92	0.66	0.57	0.65	0.58	0.63	0.59	0.67	0.69	0.88	0.62
HAR	GRAM	23	2.80	3.27	2.10	1.43	1.62	2.61	2.86	3.97	4.67	6.41	2.99
HAR	GRAM	24	0.86	0.66	0.75	0.88	1.13	1.25	1.27	1.17	1.46	2.64	1.13
HAR	GRAM	25	0.67	1.34	0.97	1.11	0.92	1.38	1.53	2.14	2.27	3.54	1.59
HAR	GRAM	27	0.17	0.32	0.37	0.47	0.52	0.66	0.76	1.18	1.53	0.90	0.66
HAR	GRAM	28	0.04	0.13	0.13	0.15	0.13	0.14	0.37	0.43	0.72	0.65	0.32
HAR	GRAM	32	0.15	0.27	0.34	0.39	0.42	0.44	0.50	0.59	0.72	0.79	0.47
HAR	GRAM	36	0.01	0.02	0.05	0.05	0.07	0.07	0.12	0.14	0.19	0.37	0.12

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR12													
HAR	CEREAL SUB	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	24	0.00	0.08	0.09	0.06	0.02	0.02	0.02	0.00	0.00	0.00	0.03
HAR	CEREAL SUB	25	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAR	CEREAL SUB	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR14												
HAR PULSE & PR	20	0.81	1.19	1.30	1.47	1.53	1.47	1.65	1.80	1.92	2.28	1.46
HAR PULSE & PR	21	0.81	0.99	1.17	1.51	1.66	1.86	2.08	1.65	1.78	2.46	1.55
HAR PULSE & PR	22	0.34	0.83	0.84	0.95	0.95	1.04	1.08	1.23	1.38	2.40	1.06
HAR PULSE & PR	23	0.53	0.70	1.53	1.73	1.96	2.22	2.43	2.57	3.02	4.03	2.02
HAR PULSE & PR	24	0.75	0.93	1.06	1.33	1.41	1.57	1.79	1.94	2.43	4.36	1.65
HAR PULSE & PR	25	0.91	0.97	4.48	5.12	3.88	1.74	1.93	2.23	2.43	3.79	1.89
HAR PULSE & PR	27	0.70	0.97	1.12	1.31	1.48	1.57	1.81	1.86	2.00	2.33	1.61
HAR PULSE & PR	28	0.57	0.72	0.95	1.05	1.17	1.31	1.32	1.52	1.74	2.37	1.28
HAR PULSE & PR	32	0.58	0.84	0.91	1.03	1.11	1.36	1.54	1.62	1.95	2.09	1.30
HAR PULSE & PR	38	0.73	1.02	1.17	1.29	1.49	1.65	1.74	2.03	2.18	2.72	1.59

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR15												
HAR MILK & PR	20	6.89	9.02	10.88	12.31	14.92	18.38	20.64	22.24	25.34	44.84	17.54
HAR MILK & PR	21	4.58	8.42	10.18	13.36	14.73	16.48	21.37	26.91	28.92	47.93	19.07
HAR MILK & PR	22	3.41	7.26	9.90	11.16	15.13	16.50	20.56	23.34	32.52	52.07	18.85
HAR MILK & PR	23	2.79	5.02	8.78	14.15	16.05	20.40	22.38	25.14	29.55	45.71	18.75
HAR MILK & PR	24	4.18	6.38	9.48	12.44	15.58	17.28	20.85	21.81	27.28	49.19	17.49
HAR MILK & PR	25	4.96	7.51	10.06	11.50	13.34	16.39	18.19	20.72	23.90	37.27	16.68
HAR MILK & PR	27	4.64	8.06	9.34	11.93	13.39	16.91	19.49	25.33	30.13	32.42	19.84
HAR MILK & PR	28	3.85	6.97	9.75	10.84	15.77	17.64	23.47	27.05	34.19	39.07	20.02
HAR MILK & PR	32	5.21	8.37	11.24	12.70	16.95	20.86	23.52	26.61	32.10	39.48	20.12
HAR MILK & PR	38	6.38	9.24	12.70	13.97	16.53	18.27	21.60	25.18	32.08	42.39	20.31

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR16													
HAR	EDIBLE OIL	20	0.26	0.92	0.98	1.11	0.85	0.79	0.88	0.91	1.16	3.22	1.07
HAR	EDIBLE OIL	21	0.28	0.70	1.09	1.10	1.21	1.35	1.11	0.89	0.96	1.56	0.96
HAR	EDIBLE OIL	22	0.25	0.45	0.72	0.82	0.68	0.74	0.58	0.66	0.66	0.80	0.57
HAR	EDIBLE OIL	23	0.77	0.91	0.63	0.42	0.47	0.52	0.57	0.63	0.74	0.96	0.61
HAR	EDIBLE OIL	24	0.38	0.64	0.73	0.82	0.86	0.95	1.12	1.20	1.50	2.71	1.03
HAR	EDIBLE OIL	25	0.58	0.78	0.73	0.84	1.11	1.39	1.45	1.32	1.35	2.10	1.15
HAR	EDIBLE OIL	27	0.70	0.91	1.06	1.06	1.19	1.09	1.26	1.25	1.23	1.90	1.17
HAR	EDIBLE OIL	28	0.69	1.04	1.04	1.15	0.89	1.00	0.71	0.82	0.72	1.88	0.91
HAR	EDIBLE OIL	32	0.67	0.88	1.07	1.21	1.24	1.25	1.41	1.38	1.66	2.00	1.24
HAR	EDIBLE OIL	38	1.00	1.17	1.08	1.18	1.36	1.50	1.56	1.82	1.71	3.58	1.58

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR17													
HAR	MEAT,EGG,F	20	0.05	0.39	0.36	0.41	0.35	0.57	0.64	0.72	0.55	0.32	0.40
HAR	MEAT,EGG,F	21	0.09	0.03	0.17	0.25	0.28	0.31	0.22	0.17	0.18	0.51	0.21
HAR	MEAT,EGG,F	22	0.02	0.09	0.09	0.11	0.16	0.18	0.18	0.20	0.32	1.04	0.25
HAR	MEAT,EGG,F	23	0.16	0.28	0.11	0.00	0.00	0.13	0.14	0.51	0.60	0.80	0.24
HAR	MEAT,EGG,F	24	0.69	0.20	0.23	0.17	0.20	0.22	0.44	0.98	1.23	2.21	0.56
HAR	MEAT,EGG,F	25	0.04	0.02	0.04	0.05	0.25	0.34	0.38	0.41	0.81	1.27	0.41
HAR	MEAT,EGG,F	27	0.16	0.15	0.18	0.23	0.26	0.36	0.42	0.37	0.45	1.24	0.40
HAR	MEAT,EGG,F	28	0.05	0.13	0.12	0.14	0.15	0.17	0.15	0.17	0.19	1.47	0.24
HAR	MEAT,EGG,F	32	0.05	0.10	0.17	0.19	0.23	0.27	0.31	0.43	0.52	0.63	0.31
HAR	MEAT,EGG,F	38	0.04	0.07	0.17	0.19	0.24	0.26	0.37	0.44	0.57	1.11	0.35

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR16													
HAR	VEG,FR,NUT	20	0.63	1.02	1.34	1.52	1.54	1.83	2.05	2.21	2.05	3.06	1.67
HAR	VEG,FR,NUT	21	1.19	1.07	1.33	1.49	1.64	1.83	2.13	2.44	2.62	3.72	1.89
HAR	VEG,FR,NUT	22	0.80	0.79	1.01	1.14	1.62	1.76	1.91	2.16	2.12	3.62	1.67
HAR	VEG,FR,NUT	23	0.98	1.09	1.05	1.46	1.66	1.79	1.97	1.79	2.10	3.89	1.77
HAR	VEG,FR,NUT	24	0.81	1.35	1.52	1.76	2.06	2.39	2.67	3.02	3.77	6.80	2.47
HAR	VEG,FR,NUT	25	0.87	1.25	1.40	1.63	1.75	2.03	2.26	2.60	3.20	4.99	2.22
HAR	VEG,FR,NUT	27	1.44	1.72	1.99	2.05	2.33	2.56	2.95	3.28	3.69	6.02	2.95
HAR	VEG,FR,NUT	28	1.39	1.64	1.96	2.17	2.33	2.61	2.68	3.09	3.27	5.04	2.59
HAR	VEG,FR,NUT	32	1.54	2.12	2.27	2.57	2.84	3.05	3.44	3.53	4.26	5.49	3.11
HAR	VEG,FR,NUT	38	1.30	1.76	2.08	2.28	2.45	2.71	3.14	3.67	4.65	7.00	3.16

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR21													
HAR	SUGAR	20	1.43	2.24	2.35	2.66	2.99	3.48	3.91	4.23	4.59	9.59	3.64
HAR	SUGAR	21	1.67	2.49	2.71	3.19	3.52	3.93	4.96	5.35	5.75	7.73	3.98
HAR	SUGAR	22	1.15	2.39	3.64	4.11	4.76	5.19	5.84	6.64	7.87	11.56	5.12
HAR	SUGAR	23	2.05	2.24	2.31	2.95	3.35	5.76	6.32	6.71	7.89	11.53	5.15
HAR	SUGAR	24	1.23	1.85	2.09	2.68	3.17	3.52	4.01	4.21	5.27	9.50	3.54
HAR	SUGAR	25	1.46	1.99	2.34	2.69	2.96	3.48	3.86	4.57	4.91	7.66	3.56
HAR	SUGAR	27	1.28	1.90	2.20	2.52	2.83	3.10	3.58	4.04	4.59	5.50	3.43
HAR	SUGAR	28	1.59	1.98	2.12	2.36	2.60	2.91	3.08	3.55	4.02	6.78	3.05
HAR	SUGAR	32	1.47	2.01	2.21	2.50	2.69	3.37	3.80	3.86	4.66	5.66	3.07
HAR	SUGAR	38	1.94	2.46	2.60	2.86	3.09	3.42	3.62	4.22	4.79	7.08	3.63

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR22													
HAR	SALT,SPICE	20	0.56	0.80	0.90	1.02	1.03	1.14	1.27	1.42	1.42	1.78	1.08
HAR	SALT,SPICE	21	0.77	0.97	1.27	1.25	1.38	1.54	1.44	1.55	1.67	2.41	1.33
HAR	SALT,SPICE	22	0.55	0.61	0.74	0.83	0.80	0.87	0.83	0.95	1.00	1.44	0.81
HAR	SALT,SPICE	23	1.06	1.14	1.15	1.09	1.23	1.20	1.31	1.48	1.74	2.39	1.27
HAR	SALT,SPICE	24	0.75	0.94	1.06	1.20	1.32	1.46	1.60	1.51	1.88	3.40	1.42
HAR	SALT,SPICE	25	1.02	1.16	1.05	1.20	1.25	1.41	1.57	1.82	1.96	2.05	1.53
HAR	SALT,SPICE	27	0.85	1.01	1.17	1.15	1.32	1.34	1.54	1.58	1.65	1.87	1.39
HAR	SALT,SPICE	28	0.72	0.92	0.97	1.08	1.11	1.24	1.20	1.38	1.41	2.01	1.18
HAR	SALT,SPICE	32	0.71	0.87	0.96	1.03	1.18	1.19	1.34	1.32	1.60	1.73	1.19
HAR	SALT,SPICE	38	0.80	1.02	1.12	1.24	1.24	1.37	1.36	1.58	1.70	1.97	1.32

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR23													
HAR	BEV,REF.	20	0.29	0.53	1.21	1.37	1.70	1.45	1.63	1.05	1.21	2.36	1.25
HAR	BEV,REF.	21	0.66	0.60	0.81	0.95	1.04	1.17	1.03	0.85	0.91	2.09	1.03
HAR	BEV,REF.	22	0.34	0.39	0.59	0.66	0.63	0.69	0.66	0.75	0.93	2.55	0.84
HAR	BEV,REF.	23	0.59	0.66	0.44	0.48	0.55	0.73	0.80	0.86	1.03	2.06	0.83
HAR	BEV,REF.	24	1.00	0.64	0.73	1.33	1.74	1.92	1.91	2.78	3.49	6.27	2.03
HAR	BEV,REF.	25	0.93	0.98	1.33	1.52	2.15	1.76	1.97	1.28	2.32	3.62	1.82
HAR	BEV,REF.	27	0.59	0.80	0.92	1.09	1.22	1.36	1.57	1.80	2.26	5.02	1.74
HAR	BEV,REF.	28	0.66	0.67	0.84	0.93	1.02	1.14	0.98	1.13	1.55	3.15	1.22
HAR	BEV,REF.	32	0.62	0.86	0.95	1.08	1.22	1.37	1.54	1.72	2.08	2.56	1.43
HAR	BEV,REF.	38	1.03	1.41	1.48	1.63	1.70	1.88	2.08	2.42	3.27	4.05	2.21

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR27												
HAR TOTAL FOOD	20	26.01	34.51	36.66	41.50	43.91	48.08	53.98	57.06	63.01	97.84	47.70
HAR TOTAL FOOD	21	27.03	33.41	39.49	44.43	48.99	54.80	61.50	66.52	71.47	107.57	53.42
HAR TOTAL FOOD	22	22.19	28.74	34.87	39.32	42.69	46.55	51.04	57.95	68.19	100.11	46.82
HAR TOTAL FOOD	23	25.93	31.29	37.03	43.86	49.73	56.81	62.34	67.17	78.97	111.06	53.88
HAR TOTAL FOOD	24	23.84	31.80	36.00	40.93	46.40	51.44	57.86	57.56	72.00	129.82	51.70
HAR TOTAL FOOD	25	23.02	29.15	37.43	42.77	45.25	48.56	53.90	58.17	63.58	99.15	50.77
HAR TOTAL FOOD	27	24.72	33.43	38.76	42.41	47.59	51.69	59.59	66.65	73.78	83.08	56.27
HAR TOTAL FOOD	28	23.33	30.37	34.81	38.71	44.25	49.51	54.46	62.77	71.99	89.09	50.61
HAR TOTAL FOOD	32	21.95	29.84	34.17	38.61	43.41	47.78	53.87	56.77	68.49	78.15	47.38
HAR TOTAL FOOD	38	22.42	29.29	33.40	36.73	39.97	44.18	48.00	55.96	66.12	86.03	46.68

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR28												
HAR TOTAL EXP.	20	32.64	43.13	46.90	53.09	59.81	66.39	74.55	85.25	104.05	191.10	73.10
HAR TOTAL EXP.	21	32.51	44.65	50.16	56.04	61.78	69.11	80.88	90.59	97.34	157.72	72.27
HAR TOTAL EXP.	22	27.10	36.92	44.04	49.66	53.86	58.73	65.26	74.09	90.84	152.65	63.65
HAR TOTAL EXP.	23	32.47	39.98	48.06	54.70	62.01	69.71	76.49	84.88	99.76	160.47	71.40
HAR TOTAL EXP.	24	28.76	40.36	45.70	52.27	60.20	66.75	79.67	97.70	122.22	220.36	77.07
HAR TOTAL EXP.	25	28.66	36.44	45.58	52.08	55.20	61.31	68.05	78.06	94.02	146.60	68.30
HAR TOTAL EXP.	27	32.04	43.12	50.01	55.97	62.80	71.01	81.87	94.79	114.67	173.54	84.45
HAR TOTAL EXP.	28	28.84	37.69	43.12	47.95	55.87	62.51	71.19	82.06	99.75	158.67	69.30
HAR TOTAL EXP.	30	28.23	38.75	44.94	50.79	57.65	64.70	72.95	81.92	98.84	135.51	71.37
HAR TOTAL EXP.	38	29.78	38.86	44.65	49.10	54.98	60.77	67.68	78.91	95.79	147.35	68.13

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAR31												
HAR NON FOOD	20	6.63	8.61	10.24	11.59	15.90	18.31	20.56	28.19	41.08	93.27	25.40
HAR NON FOOD	21	5.48	11.24	10.67	11.60	12.79	14.31	19.37	24.07	25.86	50.16	18.85
HAR NON FOOD	22	4.91	8.17	9.17	10.34	11.17	12.18	14.22	16.15	22.64	52.54	16.82
HAR NON FOOD	23	6.54	8.69	11.03	10.83	12.28	12.90	14.15	17.71	20.82	49.41	17.53
HAR NON FOOD	24	4.92	8.56	9.70	11.33	13.81	15.31	21.81	40.14	50.22	90.54	25.36
HAR NON FOOD	25	5.64	7.29	8.15	9.31	9.95	12.75	14.15	19.89	30.43	47.46	17.53
HAR NON FOOD	27	7.32	9.70	11.24	13.56	15.22	19.33	22.28	28.14	40.70	92.46	26.18
HAR NON FOOD	28	5.51	7.32	8.31	9.24	11.62	13.00	16.73	19.29	27.76	69.58	18.69
HAR NON FOOD	32	6.28	8.92	10.78	12.18	14.24	16.92	19.08	25.15	30.34	57.37	23.99
HAR NON FOOD	38	7.36	9.57	11.25	12.37	15.01	16.59	19.68	22.94	29.67	61.32	21.45

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 1												
HAU FOODGRAINS	20	10.86	14.20	11.34	12.87	14.51	16.66	15.10	17.96	14.52	17.47	14.08
HAU FOODGRAINS	21	10.19	11.89	13.11	16.14	17.60	19.35	21.10	20.58	15.25	30.41	17.14
HAU FOODGRAINS	22	8.34	9.78	10.93	13.56	14.26	16.06	16.09	15.31	15.75	22.20	13.70
HAU FOODGRAINS	23	14.89	16.36	17.68	19.25	20.82	21.12	18.62	21.38	17.60	30.86	18.36
HAU FOODGRAINS	24	10.59	14.07	14.42	14.93	17.03	18.94	17.44	20.25	17.97	30.32	16.58
HAU FOODGRAINS	25	11.73	13.56	13.42	15.28	15.45	16.75	17.06	19.88	16.96	29.02	15.91
HAU FOODGRAINS	27	10.72	13.02	13.70	15.28	14.27	15.86	18.14	17.49	17.01	16.01	15.25
HAU FOODGRAINS	28	13.58	14.03	13.34	14.79	14.19	15.78	16.09	19.14	17.29	14.23	14.87
HAU FOODGRAINS	32	11.62	13.49	14.11	15.87	13.95	15.73	15.15	17.41	18.36	18.08	15.62
HAU FOODGRAINS	38	11.16	11.57	13.52	13.26	15.12	14.70	15.45	15.84	14.99	23.89	15.04

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 2												
HAU CEREALS	20	9.59	12.54	9.94	11.29	12.78	14.92	13.47	16.03	12.82	15.18	12.45
HAU CEREALS	21	9.50	10.98	11.96	14.78	16.12	17.72	19.32	18.76	13.12	26.15	15.41
HAU CEREALS	22	8.51	9.36	9.86	12.30	13.25	14.93	15.25	14.04	13.89	19.57	12.61
HAU CEREALS	23	12.37	13.78	15.00	16.33	17.67	17.56	15.83	18.17	15.07	26.43	15.48
HAU CEREALS	24	9.69	12.76	12.89	13.17	15.03	16.79	15.42	17.90	15.72	26.53	14.69
HAU CEREALS	25	10.22	11.66	11.75	13.39	13.46	14.59	14.73	17.16	14.46	24.73	13.68
HAU CEREALS	27	9.85	11.91	12.46	13.89	12.80	14.23	16.27	15.39	14.59	13.02	13.50
HAU CEREALS	28	13.76	13.74	12.74	14.13	13.36	14.86	14.91	17.74	15.58	12.15	13.87
HAU CEREALS	32	11.07	12.65	13.16	14.79	12.52	14.11	13.24	15.21	15.66	15.45	13.98
HAU CEREALS	38	10.52	10.32	12.06	11.73	13.36	12.91	13.29	12.97	12.26	19.54	13.01

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 3												
HAU RICE & PR	27	0.84	1.14	1.20	1.34	1.30	1.44	1.65	1.83	1.89	2.95	1.55
HAU RICE & PR	28	0.82	0.95	0.87	0.97	1.13	1.26	1.46	1.73	1.44	2.40	1.26
HAU RICE & PR	32	0.62	0.85	1.08	1.22	1.37	1.54	1.56	1.80	2.39	2.12	1.53

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 4												
HAU WHEAT & PR	27	8.89	10.78	11.53	12.86	12.06	13.39	15.32	14.23	13.26	10.79	12.33
HAU WHEAT & PR	28	15.04	14.96	14.21	15.75	14.93	16.60	15.83	18.83	15.92	11.98	14.95
HAU WHEAT & PR	32	10.64	11.76	12.08	13.59	11.13	12.55	11.77	13.53	13.39	11.77	12.38

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 5												
HAU JAWAR & PR	27	0.02	0.06	0.06	0.07	0.04	0.05	0.06	0.08	0.07	0.00	0.05
HAU JAWAR & PR	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU JAWAR & PR	32	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 6												
HAU BAJRA & PR	27	0.36	0.24	0.20	0.22	0.19	0.21	0.24	0.16	0.13	0.03	0.24
HAU BAJRA & PR	28	0.61	0.50	0.28	0.31	0.12	0.13	0.53	0.63	1.05	0.00	0.41
HAU BAJRA & PR	32	0.11	0.31	0.24	0.27	0.25	0.28	0.15	0.18	0.08	0.00	0.19

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 7												
HAU MAIZE & PR	27	0.34	0.42	0.26	0.29	0.10	0.11	0.12	0.17	0.25	0.09	0.22
HAU MAIZE & PR	28	0.07	0.10	0.06	0.07	0.03	0.04	0.02	0.03	0.00	0.03	0.04
HAU MAIZE & PR	32	0.00	0.04	0.06	0.07	0.06	0.07	0.07	0.08	0.16	0.07	0.08

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 8												
HAU RAGI & PR	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU RAGI & PR	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU RAGI & PR	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU 9												
HAU BARLEY &PR	27	0.00	0.04	0.06	0.06	0.02	0.03	0.03	0.00	0.00	0.00	0.02
HAU BARLEY &PR	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
HAU BARLEY &PR	32	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU10												
HAU SM. MILLET	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU SM. MILLET	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU SM. MILLET	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.13

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU11												
HAU GRAM	20	0.85	1.11	0.24	0.27	0.38	0.64	0.43	0.52	0.21	0.17	0.46
HAU GRAM	21	0.35	0.36	0.32	0.17	0.04	0.04	0.04	0.01	0.71	1.41	0.36
HAU GRAM	22	0.00	0.16	0.22	0.45	0.28	0.32	0.10	0.40	0.39	0.56	0.26
HAU GRAM	23	1.76	1.55	1.12	1.22	1.32	1.65	1.05	1.21	0.57	1.00	1.15
HAU GRAM	24	0.14	0.17	0.11	0.29	0.33	0.47	0.35	0.40	0.33	0.56	0.23
HAU GRAM	25	0.54	1.00	0.48	0.55	0.49	0.53	0.54	0.63	0.37	0.64	0.55
HAU GRAM	27	0.24	0.20	0.21	0.23	0.23	0.26	0.29	0.30	0.31	0.19	0.26
HAU GRAM	28	0.00	0.03	0.07	0.08	0.05	0.06	0.03	0.04	0.11	0.22	0.07
HAU GRAM	32	0.08	0.13	0.15	0.16	0.23	0.26	0.21	0.24	0.22	0.33	0.20
HAU GRAM	38	0.05	0.17	0.20	0.21	0.24	0.20	0.25	0.34	0.26	0.42	0.22

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAUTE												
HAU CEREAL SUB	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU CEREAL SUB	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU CEREAL SUB	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU CEREAL SUB	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU CEREAL SUB	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU CEREAL SUB	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
HAU CEREAL SUB	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
HAU CEREAL SUB	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU CEREAL SUB	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAU CEREAL SUB	38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAUTE												
HAU PULSE & PR	20	0.42	0.55	1.22	1.38	1.42	1.18	1.27	1.51	1.57	2.21	1.22
HAU PULSE & PR	21	0.38	0.60	0.90	1.30	1.58	1.74	1.90	1.96	1.40	2.79	1.44
HAU PULSE & PR	22	0.29	0.65	1.14	1.16	1.19	1.34	1.35	1.31	1.79	2.53	1.25
HAU PULSE & PR	23	0.75	1.01	1.52	1.65	1.79	1.89	1.70	1.95	1.91	3.34	1.70
HAU PULSE & PR	24	0.73	1.10	1.40	1.40	1.60	1.59	1.60	1.86	1.85	3.12	1.54
HAU PULSE & PR	25	0.97	0.90	1.18	1.35	1.50	1.62	1.79	2.08	2.13	3.64	1.65
HAU PULSE & PR	27	0.79	1.09	1.22	1.36	1.40	1.55	1.78	1.95	2.19	2.76	1.67
HAU PULSE & PR	28	0.40	0.75	0.91	1.01	1.14	1.27	1.51	1.80	1.87	1.91	1.28
HAU PULSE & PR	32	0.84	1.07	1.17	1.32	1.46	1.64	1.88	2.17	2.60	2.43	1.70
HAU PULSE & PR	38	0.90	1.26	1.48	1.51	1.72	1.77	2.05	2.49	2.43	3.87	1.94

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU15												
HAU MILK & PR	20	2.48	3.25	7.44	8.44	8.47	15.78	17.08	20.32	25.03	37.71	13.27
HAU MILK & PR	21	4.32	6.71	7.90	10.00	10.35	11.38	12.41	13.54	17.82	35.54	12.51
HAU MILK & PR	22	2.50	3.50	6.22	7.59	11.96	13.48	17.63	19.26	22.63	31.89	13.91
HAU MILK & PR	23	4.25	5.65	8.89	9.68	10.47	11.94	13.72	15.75	22.58	39.60	14.56
HAU MILK & PR	24	3.51	5.46	5.99	7.72	8.81	13.08	15.44	17.93	21.30	35.95	12.53
HAU MILK & PR	25	2.67	4.31	8.51	9.69	10.64	11.75	13.69	15.94	18.37	31.43	12.37
HAU MILK & PR	27	3.70	6.24	8.20	9.14	11.72	13.02	14.89	18.44	22.10	28.04	14.10
HAU MILK & PR	28	2.27	3.76	5.80	6.43	9.73	10.81	12.56	14.94	20.59	25.25	12.04
HAU MILK & PR	32	4.53	6.90	8.99	10.11	14.36	16.19	19.50	22.41	27.83	37.05	16.95
HAU MILK & PR	38	3.69	7.20	8.41	12.01	13.69	16.40	18.43	23.13	23.07	36.77	16.21

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU15												
HAU EDIBLE OIL	20	1.29	1.69	2.35	2.66	2.88	2.60	3.28	3.90	3.30	2.78	2.72
HAU EDIBLE OIL	21	1.07	2.11	2.41	2.15	2.99	3.28	3.56	4.16	4.07	8.11	3.25
HAU EDIBLE OIL	22	1.11	1.63	2.65	3.33	3.47	3.90	3.40	2.87	4.14	5.83	3.15
HAU EDIBLE OIL	23	0.96	2.09	2.47	2.69	2.90	3.16	3.76	4.32	3.61	6.33	3.08
HAU EDIBLE OIL	24	1.33	1.97	2.48	2.89	3.30	3.47	3.69	4.29	4.22	7.12	3.16
HAU EDIBLE OIL	25	1.72	1.89	2.64	3.00	3.31	3.58	3.98	4.64	3.96	6.81	3.31
HAU EDIBLE OIL	27	1.81	2.53	2.85	3.18	3.34	3.71	4.24	4.47	4.59	5.44	3.64
HAU EDIBLE OIL	28	1.05	1.87	2.46	2.72	2.63	2.93	3.10	3.68	3.68	3.46	2.76
HAU EDIBLE OIL	32	1.74	2.35	2.67	3.00	2.97	3.24	3.37	3.87	4.34	6.10	3.37
HAU EDIBLE OIL	38	1.97	2.35	2.75	2.91	3.32	3.41	3.96	4.27	4.67	7.44	3.74

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU17													
HAU	MEAT,EGG,F	20	0.00	0.00	0.03	0.03	0.04	0.06	0.07	0.09	0.75	0.61	0.17
HAU	MEAT,EGG,F	21	0.02	0.06	0.06	0.31	0.31	0.34	0.37	0.33	0.70	1.39	0.35
HAU	MEAT,EGG,F	22	0.31	0.28	0.04	0.37	0.37	0.41	0.39	0.38	0.71	1.01	0.43
HAU	MEAT,EGG,F	23	0.09	0.02	0.15	0.16	0.18	0.24	1.82	2.09	1.74	3.05	0.80
HAU	MEAT,EGG,F	24	0.00	0.18	0.43	0.31	0.35	0.14	0.43	0.50	0.90	1.52	0.45
HAU	MEAT,EGG,F	25	0.34	0.31	0.21	0.24	0.34	0.36	0.45	0.53	0.73	1.24	0.49
HAU	MEAT,EGG,F	27	0.12	0.18	0.33	0.37	0.50	0.55	0.63	0.60	0.86	2.40	0.65
HAU	MEAT,EGG,F	28	0.11	0.31	0.33	0.37	0.16	0.18	0.44	0.52	1.04	0.73	0.44
HAU	MEAT,EGG,F	32	0.11	0.12	0.20	0.22	0.15	0.17	0.32	0.37	0.63	1.62	0.39
HAU	MEAT,EGG,F	36	0.23	0.30	0.34	0.29	0.34	0.38	0.56	0.94	1.34	2.13	0.65

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LISTING OF DECILES BY COMMODITY

COMMODITY		ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU18													
HAU	VEG,FR,NUT	20	1.33	1.73	1.60	1.82	2.00	2.43	2.96	3.52	5.55	7.95	2.99
HAU	VEG,FR,NUT	21	0.61	1.14	1.52	1.80	2.49	2.73	2.98	3.83	5.19	10.34	3.19
HAU	VEG,FR,NUT	22	0.79	1.09	1.35	1.51	2.33	2.62	3.20	3.62	5.40	7.61	3.04
HAU	VEG,FR,NUT	23	1.24	1.82	2.43	2.65	2.86	3.16	3.94	4.52	5.77	10.11	3.88
HAU	VEG,FR,NUT	24	1.04	1.63	1.96	2.40	2.74	4.06	5.17	6.00	7.81	13.18	4.29
HAU	VEG,FR,NUT	25	1.44	2.44	2.86	3.28	3.57	3.87	4.73	5.51	7.26	12.42	4.81
HAU	VEG,FR,NUT	27	1.78	2.39	2.90	3.24	3.72	4.13	4.73	5.60	7.35	13.85	5.09
HAU	VEG,FR,NUT	28	1.70	2.09	2.63	2.92	3.05	3.39	3.65	4.34	6.49	9.00	4.02
HAU	VEG,FR,NUT	32	2.10	2.84	3.21	3.61	4.26	4.83	5.60	6.43	7.94	11.59	5.25
HAU	VEG,FR,NUT	36	2.45	2.96	3.46	3.91	4.46	5.68	6.82	7.91	9.18	14.64	6.14

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU21												
HAU SUGAR	20	1.69	2.21	2.20	2.49	2.42	2.51	3.00	3.57	3.54	4.19	2.69
HAU SUGAR	21	1.96	2.27	2.43	2.72	3.47	3.81	4.16	4.36	2.99	5.96	3.29
HAU SUGAR	22	1.72	2.19	2.33	2.03	3.03	3.41	3.90	3.41	3.20	4.52	3.27
HAU SUGAR	23	2.57	3.69	4.00	4.36	4.71	4.53	4.84	5.56	6.27	11.00	4.90
HAU SUGAR	24	1.23	1.78	2.06	2.29	2.62	3.11	3.23	3.75	3.92	6.62	2.83
HAU SUGAR	25	1.23	1.99	2.26	2.56	2.93	3.18	3.51	4.09	3.97	6.79	3.14
HAU SUGAR	27	0.96	1.44	1.79	2.00	2.14	2.38	2.72	3.05	3.46	4.12	2.47
HAU SUGAR	28	0.92	1.26	1.55	1.72	2.12	2.36	2.61	3.11	3.11	3.66	2.27
HAU SUGAR	32	1.28	1.72	1.99	2.24	2.58	2.91	3.03	3.49	3.98	5.78	2.91
HAU SUGAR	38	1.65	1.91	2.23	2.35	2.68	2.56	2.91	3.29	3.88	6.18	2.96

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU22												
HAU SALT,SPICE	20	0.37	0.48	0.53	0.60	0.88	0.96	1.01	1.20	1.31	1.10	0.87
HAU SALT,SPICE	21	0.66	0.82	0.85	0.95	1.18	1.30	1.41	1.48	0.99	1.97	1.13
HAU SALT,SPICE	22	0.46	0.62	0.72	0.89	0.91	1.03	0.98	0.94	1.07	1.50	0.87
HAU SALT,SPICE	23	0.74	0.98	1.15	1.25	1.35	1.33	1.21	1.39	1.30	2.28	1.22
HAU SALT,SPICE	24	0.52	0.89	0.93	0.93	1.06	1.14	1.19	1.38	1.58	2.67	1.15
HAU SALT,SPICE	25	0.76	0.93	1.19	1.35	1.37	1.48	1.52	1.77	1.74	2.97	1.44
HAU SALT,SPICE	27	0.67	0.87	0.95	1.06	1.05	1.16	1.33	1.39	1.40	1.53	1.81
HAU SALT,SPICE	28	0.73	0.88	0.91	1.01	0.98	1.09	1.09	1.29	1.32	1.64	1.09
HAU SALT,SPICE	32	0.78	0.97	1.06	1.19	1.14	1.28	1.24	1.43	1.54	1.95	1.27
HAU SALT,SPICE	38	1.05	0.90	1.06	1.08	1.23	1.25	1.47	1.72	1.66	2.65	1.41

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU25												
HAU BEV,REF.	20	0.28	0.36	1.87	2.12	2.46	1.28	1.75	2.08	4.37	11.51	2.72
HAU BEV,REF.	21	0.40	0.73	1.02	1.47	1.63	1.79	1.95	2.16	9.80	19.54	3.71
HAU BEV,REF.	22	0.44	0.56	0.74	0.77	1.32	1.49	3.85	6.18	6.08	8.57	3.19
HAU BEV,REF.	23	0.55	1.27	1.01	1.10	1.19	1.47	2.84	3.26	7.86	13.79	4.02
HAU BEV,REF.	24	2.24	1.23	0.98	1.45	1.66	1.98	2.76	3.20	4.97	8.39	2.69
HAU BEV,REF.	25	0.47	1.18	1.76	2.01	2.27	2.46	3.92	4.56	6.70	11.47	3.82
HAU BEV,REF.	27	0.72	1.12	1.46	1.63	1.91	2.12	2.43	3.23	5.64	13.51	4.00
HAU BEV,REF.	28	1.13	1.24	1.41	1.57	1.69	1.88	2.43	2.89	4.96	16.64	3.64
HAU BEV,REF.	32	0.98	1.44	1.57	1.77	2.22	2.50	3.00	3.45	4.98	12.60	3.37
HAU BEV,REF.	38	1.39	1.90	2.22	2.57	2.93	3.35	3.95	4.44	6.28	10.01	3.91

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COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU27												
HAU TOTAL FOOD	20	18.58	24.39	27.12	30.80	33.44	41.73	43.46	51.71	56.81	80.34	38.91
HAU TOTAL FOOD	21	19.37	25.66	29.17	35.37	39.86	43.81	47.78	50.09	54.81	109.28	40.92
HAU TOTAL FOOD	22	16.24	20.21	25.39	30.36	37.38	42.11	48.35	50.32	58.17	81.98	40.74
HAU TOTAL FOOD	23	25.61	32.08	37.94	41.30	44.67	47.14	50.81	58.33	66.28	116.22	50.77
HAU TOTAL FOOD	24	20.51	27.28	29.29	32.86	37.49	45.65	48.83	56.70	61.80	104.31	43.37
HAU TOTAL FOOD	25	20.36	26.62	32.87	37.44	40.08	43.44	48.86	56.92	59.72	102.15	45.28
HAU TOTAL FOOD	27	21.55	29.21	33.82	37.71	40.40	44.68	51.34	56.55	64.94	87.85	48.42
HAU TOTAL FOOD	28	22.51	26.69	29.81	33.05	36.14	40.19	43.85	52.15	60.26	77.14	42.86
HAU TOTAL FOOD	32	22.77	29.30	33.09	37.21	40.46	45.62	49.74	57.16	67.58	92.74	47.92
HAU TOTAL FOOD	38	23.28	28.45	33.25	37.32	42.53	46.34	52.10	59.79	63.69	101.52	48.85

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU30												
HAU TOTAL EXP.	20	24.22	31.67	37.05	42.07	47.27	56.92	63.88	76.00	93.50	142.39	58.41
HAU TOTAL EXP.	21	25.53	34.45	38.72	47.00	53.98	59.33	64.70	70.94	100.95	201.30	66.76
HAU TOTAL EXP.	22	23.66	29.21	34.27	42.41	51.28	57.76	67.89	81.27	97.52	137.44	62.14
HAU TOTAL EXP.	23	32.85	43.11	52.04	56.65	61.27	67.77	76.75	90.42	111.86	196.13	78.90
HAU TOTAL EXP.	24	25.58	34.70	40.98	46.33	52.86	62.80	71.18	82.64	103.28	174.31	65.34
HAU TOTAL EXP.	25	26.22	35.02	44.40	50.56	56.58	61.32	71.81	83.66	102.51	175.33	70.68
HAU TOTAL EXP.	27	28.32	39.30	46.33	51.67	57.97	64.41	73.68	86.42	109.39	189.89	77.09
HAU TOTAL EXP.	28	27.92	33.94	39.02	43.26	48.96	54.44	61.62	73.30	92.81	158.96	64.50
HAU TOTAL EXP.	32	29.65	39.02	44.57	50.12	57.19	64.49	72.74	83.60	106.43	176.02	74.99
HAU TOTAL EXP.	38	30.98	39.72	46.42	52.10	59.38	67.16	77.39	92.96	120.19	191.56	77.53

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LISTING OF DECILES BY COMMODITY

COMMODITY	ROUND	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	AVERAGE
** STATE: HAU31												
HAU NON FOOD	20	5.64	7.37	9.93	11.28	13.83	15.19	20.41	24.29	36.69	62.05	19.50
HAU NON FOOD	21	6.16	8.79	9.56	11.63	14.12	15.52	16.92	20.85	46.15	92.02	22.84
HAU NON FOOD	22	7.42	9.00	8.88	12.05	13.90	15.65	19.54	30.94	39.35	55.46	21.40
HAU NON FOOD	23	7.25	11.03	14.10	15.35	16.60	20.63	27.94	32.08	45.56	79.91	28.13
HAU NON FOOD	24	5.07	7.41	11.70	13.47	15.37	17.14	22.34	25.94	41.48	70.01	21.98
HAU NON FOOD	25	5.86	8.40	11.53	13.13	16.50	17.68	22.96	26.74	42.79	73.19	25.40
HAU NON FOOD	27	6.76	10.10	12.52	13.96	17.58	19.53	22.34	29.87	44.45	102.04	28.66
HAU NON FOOD	28	5.40	7.25	9.20	10.21	12.82	14.25	17.78	21.15	32.55	81.82	21.64
HAU NON FOOD	32	6.88	9.72	11.48	12.90	16.74	18.87	23.00	26.43	38.85	83.34	27.07
HAU NON FOOD	38	7.70	11.27	13.17	14.79	16.85	20.82	25.89	33.17	56.50	90.05	28.69

PER CAPITA ENERGY INTAKE (CALORIES PER DAY) BY DECILES

HAR	20	1701	2153	2188	2477	2523	2662	2989	3175	3520	5156
HAR	21	1801	2127	2469	2695	2972	3324	3647	3787	4069	5877
HAR	22	1467	1798	2115	2386	2452	2673	2846	3202	3616	4980
HAR	23	1793	2087	2402	2662	3019	3322	3645	3856	4533	6038
HAR	24	1536	1982	2243	2414	2633	2920	3207	2996	3747	6757
HAR	25	1454	1777	2316	2647	2647	2728	3028	[illegible]	3353	5228
HAR	27	1477	1918	2224	2338	2623	2719	3136	[illegible]	3513	3662
HAR	28	1454	1786	1973	2194	2361	2642	2748	[illegible]	3473	4056
HAR	32	1391	1821	2008	2269	2424	2575	2903	[illegible]	3549	3769
HAR	38	1338	1695	1830	2012	2131	2356	2452	[illegible]	3217	4007
HAU	20	1246	1629	1520	1724	1882	2266	2244	[illegible]	2500	3161
HAU	21	1226	1530	1707	2045	2296	2524	2752	[illegible]	3373	4701
HAU	22	1006	1227	1483	1766	2036	2293	2422	[illegible]	2567	3618
HAU	23	1691	2009	2269	2470	2671	2746	2856	[illegible]	3925	5129
HAU	24	1214	1663	1765	1902	2171	2521	2456	[illegible]	2834	4783
HAU	25	1337	1614	1792	2029	2122	2300	2442	[illegible]	2644	4523
HAU	27	1256	1614	1760	1986	1994	2215	2534	[illegible]	2750	3060
HAU	28	1426	1564	1641	1819	1875	2086	2194	[illegible]	2436	2569
HAU	32	1382	1691	1846	2076	2046	2308	2376	[illegible]	3052	3577
HAU	38	1366	1545	1605	1903	2170	2227	2428	[illegible]	2571	4257

PER CAPITA INTAKE (PROTEIN PER DAY) BY DECILES

HAR	20	53	65	66	75	77	81	91	97	108	150
HAR	21	55	64	74	81	89	100	110	115	124	181
HAR	22	45	53	61	69	71	77	83	94	106	147
HAR	23	52	62	73	82	93	98	108	115	135	179
HAR	24	47	61	69	73	80	89	98	91	114	206
HAR	25	44	53	70	80	80	82	91	98	101	158
HAR	27	45	58	67	71	79	83	96	103	109	112
HAR	28	43	53	59	66	73	81	86	99	110	123
HAR	32	42	55	61	69	74	79	89	91	110	117
HAR	38	39	49	55	60	64	70	74	86	99	119

HAU	20	35	45	42	47	52	67	64	76	74	92
HAU	21	34	42	47	59	64	70	76	77	68	136
HAU	22	27	33	39	49	56	63	68	65	75	106
HAU	23	45	54	62	68	73	76	73	64	82	143
HAU	24	35	46	50	53	61	72	71	83	82	139
HAU	25	38	46	50	57	59	64	66	79	75	129
HAU	27	36	46	51	57	57	63	73	75	80	91
HAU	28	43	46	47	52	54	60	63	75	78	77
HAU	32	40	48	53	59	59	67	70	80	90	104
HAU	38	38	44	51	54	62	65	71	78	77	123

PER CAPITA ENERGY INTAKE (% CEREAL CALORIES TO TOTAL CALORIES PER DAY) BY DECILES

HAR	20	78	75	72	72	70	66	66	64	66	58
HAR	21	89	78	76	74	74	74	70	68	68	67
HAR	22	91	81	78	78	72	72	69	69	63	55
HAR	23	76	73	75	73	73	63	63	60	60	55
HAR	24	82	79	79	74	70	70	68	63	63	63
HAR	25	79	73	64	64	66	68	66	64	60	60
HAR	27	86	81	81	77	77	72	72	67	62	59
HAR	28	90	84	80	80	75	75	69	69	64	58
HAR	32	85	80	77	77	72	67	67	63	63	56
HAR	38	76	74	69	69	65	65	61	61	58	50

HAU	20	76	76	65	65	67	65	59	59	51	47
HAU	21	77	71	69	71	69	69	69	66	55	55
HAU	22	84	75	66	69	64	64	62	59	53	53
HAU	23	72	68	65	65	65	63	59	59	51	51
HAU	24	79	76	72	68	68	66	61	61	55	55
HAU	25	76	71	65	65	63	63	60	60	54	54
HAU	27	77	73	69	69	63	63	63	58	52	42
HAU	28	95	86	77	77	70	70	67	67	58	47
HAU	32	79	74	70	70	60	60	55	55	51	43
HAU	38	76	66	66	61	61	57	54	48	45	45

PER CAPITA ENERGY INTAKE (% CEREAL PROTEIN TO TOTAL PROTEIN PER DAY) BY DECILES

HAR	20	71	71	68	68	65	62	62	60	61	56
HAR	21	83	74	72	70	70	70	66	64	64	62
HAR	22	84	78	76	76	70	70	67	67	61	33
HAR	23	74	70	71	68	68	61	61	57	58	53
HAR	24	76	73	73	69	66	66	64	59	59	59
HAR	25	75	69	60	60	62	64	64	61	57	57
HAR	27	81	76	76	72	72	67	67	62	57	54
HAR	28	86	80	75	75	70	70	63	63	57	54
HAR	32	80	76	72	72	67	62	62	58	58	52
HAR	38	75	72	66	66	62	62	57	57	53	48

HAU	20	78	78	67	67	69	63	59	59	48	43
HAU	21	78	73	71	71	71	71	71	68	54	54
HAU	22	87	80	71	71	66	66	63	58	52	52
HAU	23	72	71	73	68	68	65	61	61	52	52
HAU	24	78	75	73	69	69	66	61	61	54	54
HAU	25	76	72	66	66	64	64	61	61	54	54
HAU	27	77	73	69	69	63	63	63	57	51	40
HAU	28	91	84	76	76	70	70	66	66	56	44
HAU	32	73	73	70	70	59	59	53	53	49	42
HAU	38	76	66	66	60	60	56	53	47	45	45

PER CAPITA ENERGY INTAKE (% PULSE PROTEIN TO CEREAL PROTEIN PER DAY) BY DECILES

HAR	20	11	13	14	14	15	15	15	15	15	13
HAR	21	9	10	11	13	13	13	14	11	11	11
HAR	22	4	10	9	9	9	9	10	10	11	16
HAR	23	7	8	15	16	16	18	18	19	19	21
HAR	24	10	10	10	13	13	13	14	18	18	18
HAR	25	14	13	53	53	39	16	16	19	21	21
HAR	27	10	11	11	13	13	14	14	15	16	19
HAR	29	6	8	11	10	12	12	12	12	14	18
HAR	32	9	10	10	10	11	14	14	15	15	17
HAR	38	13	14	16	16	19	19	20	20	21	24

HAU	20	8	8	22	22	20	14	17	17	22	26
HAU	21	7	10	13	16	17	17	17	19	19	19
HAU	22	6	12	21	17	16	16	16	17	23	23
HAU	23	11	13	18	18	18	19	19	19	22	22
HAU	24	13	15	19	19	19	17	18	18	21	21
HAU	25	17	14	18	18	20	20	22	21	26	26
HAU	27	14	16	17	17	19	19	19	22	27	38
HAU	28	5	10	13	13	15	15	18	18	21	28
HAU	32	13	15	16	16	21	21	25	25	29	28
HAU	38	15	22	22	23	23	24	27	34	35	35

PER CAPITA ENERGY INTAKE (% SUGAR CALORIES TO TOTAL CALORIES PER DAY) BY DECILES

HAR 20	6	7	7	7	8	9	9	9	9	13
HAR 21	6	8	7	8	8	8	9	10	10	9
HAR 22	5	9	12	12	13	13	14	14	15	16
HAR 23	8	7	6	7	7	12	12	12	12	13
HAR 24	5	6	6	7	8	8	8	9	9	9
HAR 25	7	8	7	7	8	9	9	9	10	10
HAR 27	6	7	7	7	7	8	8	8	9	10
HAR 28	7	7	7	7	7	7	8	8	8	11
HAR 32	7	7	7	7	7	9	9	9	9	10
HAR 38	10	10	10	10	10	10	10	10	10	12

HAU 20	9	9	10	10	9	7	9	9	10	9
HAU 21	11	10	10	9	10	10	10	10	8	8
HAU 22	12	12	11	8	10	10	11	10	8	8
HAU 23	10	12	12	12	12	11	12	12	14	14
HAU 24	7	7	8	8	8	8	9	9	9	9
HAU 25	6	8	9	9	9	9	10	10	10	10
HAU 27	5	6	7	7	7	7	7	8	9	9
HAU 28	4	5	6	6	6	8	8	8	8	10
HAU 32	6	7	7	7	6	8	9	9	9	11
HAU 38	8	8	8	8	8	8	8	8	10	10

PER CAPITA ENERGY INTAKE (% OIL CALORIES TO TOTAL CALORIES PER DAY) BY DECILES

HAR 20	1	2	3	3	2	2	2	2	2	4
HAR 21	1	2	2	2	2	2	2	1	1	1
HAR 22	1	1	2	2	2	2	1	1	1	1
HAR 23	2	2	1	1	1	1	1	1	1	1
HAR 24	1	2	2	2	2	2	2	2	2	2
HAR 25	2	2	2	2	2	3	3	2	2	2
HAR 27	3	3	3	3	3	2	2	2	2	3
HAR 28	3	3	3	3	2	2	1	1	1	3
HAR 32	3	3	3	3	3	3	3	3	3	3
HAR 38	4	4	3	3	4	4	4	4	3	5

HAU 20	6	6	9	9	9	6	8	8	7	5
HAU 21	5	8	8	6	7	7	7	8	10	10
HAU 22	6	7	11	11	10	10	8	7	9	9
HAU 23	3	6	6	6	6	6	8	8	7	7
HAU 24	6	7	8	9	9	8	8	8	8	8
HAU 25	7	7	8	8	9	9	9	9	8	8
HAU 27	8	9	9	9	9	9	9	10	9	10
HAU 28	4	7	8	8	8	8	8	8	8	8
HAU 32	7	8	8	8	8	8	8	8	8	10
HAU 38	8	9	9	9	9	9	9	9	10	10

Poverty line= 30

HAR 20	3.29	26.88	0.0589	0.0052
HAR 21	2.83	26.57	0.0832	0.0053
HAR 22	6.79	24.77	0.1079	0.0179
HAR 23	0.00	26.00	0.0000	0.0000
HAR 24	5.23	25.74	0.0733	0.0107
HAR 25	5.20	25.56	0.1006	0.0122
HAR 27	3.36	26.67	0.0581	0.0055
HAR 28	7.08	27.36	0.0633	0.0103
HAR 32	6.11	25.24	0.1149	0.0156
HAR 38	4.24	26.08	0.0977	0.0092
HAU 20	9.87	24.19	0.0951	0.0267
HAU 21	9.11	24.97	0.0586	0.0197
HAU 22	16.86	25.93	0.0876	0.0356
HAU 23	5.20	27.04	0.0166	0.0059
HAU 24	8.51	24.93	0.0959	0.0212
HAU 25	9.09	25.74	0.0751	0.0187
HAU 27	6.72	26.04	0.0924	0.0143
HAU 28	9.14	27.93	0.0864	0.0136
HAU 32	4.43	26.07	0.0866	0.0091
HAU 38	2.65	25.53	0.1008	0.0062

Poverty line= 40

HAR 20	11.83	33.83	0.0882	0.0271
HAR 21	11.99	33.70	0.0798	0.0270
HAR 22	19.76	32.02	0.1119	0.0571
HAR 23	15.66	34.68	0.0668	0.0299
HAR 24	14.69	32.00	0.1073	0.0420
HAR 25	23.05	33.58	0.0928	0.0549
HAR 27	12.69	34.16	0.1009	0.0295
HAR 28	20.04	33.87	0.1043	0.0484
HAR 32	17.66	32.50	0.1075	0.0485
HAR 38	18.04	33.58	0.0896	0.0425
HAU 20	28.85	30.64	0.1039	0.0905
HAU 21	27.72	32.27	0.0975	0.0754
HAU 22	35.88	30.55	0.1043	0.1133
HAU 23	12.78	34.49	0.0804	0.0264
HAU 24	27.10	32.59	0.1085	0.0742
HAU 25	22.30	31.64	0.1040	0.0649
HAU 27	17.46	32.56	0.1057	0.0475
HAU 28	28.38	33.24	0.0826	0.0674
HAU 32	18.02	33.67	0.0935	0.0427
HAU 38	15.58	33.90	0.0862	0.0352

Poverty line= 50

HAR 20	30.91	41.16	0.0896	0.0774
HAR 21	21.07	39.14	0.1167	0.0650
HAR 22	39.11	39.25	0.1311	0.1243
HAR 23	28.63	40.17	0.1050	0.0804
HAR 24	36.06	39.73	0.1091	0.1053
HAR 25	58.87	43.67	0.1016	0.1267
HAR 27	28.84	41.66	0.1172	0.0763
HAR 28	39.06	39.48	0.1111	0.1164
HAR 32	33.35	38.65	0.1192	0.1065
HAR 38	37.72	40.61	0.1151	0.1061
HAU 20	49.13	36.18	0.1273	0.1810
HAU 21	40.36	36.83	0.1313	0.1454
HAU 22	44.54	34.13	0.1430	0.1849
HAU 23	22.06	39.14	0.1045	0.0660
HAU 24	43.77	38.05	0.1275	0.1470
HAU 25	37.19	38.34	0.1430	0.1274
HAU 27	32.24	38.83	0.1205	0.1022
HAU 28	48.89	38.36	0.1094	0.1549
HAU 32	34.99	39.66	0.1110	0.1031
HAU 38	34.24	40.75	0.1130	0.0949

												Gini's Coeff.
HAR 20	32.64	43.13	46.90	53.09	59.81	66.39	74.55	85.25	104.09	191.10	73.10	0.2795
HAR 21	32.51	44.65	50.16	56.04	61.78	69.11	80.88	90.59	97.34	157.72	72.27	0.2403
HAR 22	27.10	36.92	44.04	49.66	53.86	58.73	65.26	74.09	90.84	152.65	63.65	0.2617
HAR 23	32.47	39.98	48.06	54.70	62.01	69.71	76.49	84.88	99.79	160.47	71.40	0.2509
HAR 24	28.76	40.36	45.70	52.27	60.20	66.75	79.67	97.70	122.22	220.36	77.07	0.3251
HAR 25	28.66	36.44	45.58	52.08	55.20	61.31	68.05	72.06	94.02	146.60	68.30	0.2524
HAR 27	32.04	43.12	50.01	55.97	62.80	71.01	81.87	94.79	114.07	175.54	84.45	0.2686
HAR 28	28.84	37.69	43.12	47.95	55.87	62.51	71.19	82.06	99.75	158.67	69.30	0.2725
HAR 32	29.23	38.75	44.94	50.79	57.65	64.70	72.95	81.92	98.84	135.51	71.37	0.2439
HAR 38	29.78	38.86	44.65	49.10	54.98	60.77	67.68	78.91	95.79	147.35	68.13	0.2530
HAU 20	24.22	31.67	37.05	42.07	47.27	56.92	63.86	76.00	93.50	142.39	58.41	0.2872
HAU 21	25.53	34.45	38.72	47.00	53.98	59.33	64.70	70.94	100.95	201.30	66.76	0.3257
HAU 22	23.66	29.21	34.27	42.41	51.28	57.76	67.89	81.27	97.52	137.44	62.14	0.2923
HAU 23	32.85	43.11	52.04	56.65	61.27	67.77	78.75	90.42	111.86	196.13	78.90	0.2801
HAU 24	25.58	34.70	40.98	46.33	52.86	62.60	71.19	82.64	103.26	174.31	65.34	0.3040
HAU 25	26.22	35.02	44.40	50.56	56.58	61.32	71.81	83.66	102.51	175.33	70.69	0.2939
HAU 27	28.32	39.30	46.33	51.67	57.97	64.41	73.68	86.42	109.39	189.89	77.08	0.2967
HAU 28	27.92	33.94	39.02	43.26	48.96	54.44	61.62	73.30	92.81	158.96	64.50	0.2875
HAU 32	29.65	39.02	44.57	50.12	57.19	64.49	72.74	83.60	106.43	176.08	74.99	0.2846
HAU 38	30.98	39.72	46.42	52.10	59.38	67.16	77.99	92.96	120.19	191.56	77.53	0.2989

PER CAPITA CONSUMER EXPENDITURE (Rs.) BY DECILES
lower deciles: Average of 1,2 &3
Upper deciles: Average of 7,8 & 9

	ROUNDS	Lower Decile	Upper decile
** HAR 1			
FOODGRAINS	20	17.75	25.14
FOODGRAINS	21	19.21	30.19
FOODGRAINS	22	15.30	22.71
FOODGRAINS	23	19.48	31.26
FOODGRAINS	24	17.40	25.31
FOODGRAINS	25	16.38	24.95
FOODGRAINS	27	16.53	25.28
FOODGRAINS	28	15.09	22.90
FOODGRAINS	32	14.64	22.09
FOODGRAINS	38	12.55	18.94
** HAR 2			
CEREALS	20	15.25	21.40
CEREALS	21	17.33	26.71
CEREALS	22	14.96	21.70
CEREALS	23	15.85	24.62
CEREALS	24	15.52	21.71
CEREALS	25	13.25	20.78
CEREALS	27	15.62	22.52
CEREALS	28	14.75	21.35
CEREALS	32	14.11	20.32
CEREALS	38	11.93	17.17
** HAR 3			
RICE & PR	27	1.43	1.71
RICE & PR	28	0.97	1.08
RICE & PR	32	1.36	2.29
** HAR 4			
WHEAT & PR	27	11.92	16.92
WHEAT & PR	28	11.14	18.49
WHEAT & PR	32	11.70	16.63
** HAR 5			
JAWAR & PR	27	0.03	0.11
JAWAR & PR	28	0.14	0.11
JAWAR & PR	32	0.10	0.04
** HAR 6			
BAJRA & PR	27	1.78	3.47
BAJRA & PR	28	3.23	3.88
BAJRA & PR	32	0.90	1.14
** HAR 7			
MAIZE & PR	27	0.73	0.73
MAIZE & PR	28	0.50	0.37
MAIZE & PR	32	0.30	0.55
** HAR 8			
RAGI & PR	27	0.01	0.00
RAGI & PR	28	0.02	0.00

PER CAPITA CONSUMER EXPENDITURE (Rs.) BY DECILES
lower deciles: Average of 1,2 &3
Upper deciles: Average of 7,8 & 9

	ROUNDS	Lower Decile	Upper decile
RAGI & PR	32	0.00	0.00
** HAR 9			
BARLEY &PR	27	0.18	0.09
BARLEY &PR	28	0.02	0.01
BARLEY &PR	32	0.01	0.03
** HAR10			
SM. MILLET	27	0.03	0.01
SM. MILLET	28	0.00	0.00
SM. MILLET	32	0.00	0.01
** HAR11			
GRAM	20	1.38	1.91
GRAM	21	0.90	1.61
GRAM	22	0.72	0.65
GRAM	23	2.72	3.83
GRAM	24	0.76	1.30
GRAM	25	0.99	1.98
GRAM	27	0.29	1.16
GRAM	28	0.10	0.51
GRAM	32	0.25	0.60
GRAM	38	0.03	0.15
** HAR13			
CEREAL SUB	20	0.00	0.00
CEREAL SUB	21	0.00	0.00
CEREAL SUB	22	0.00	0.00
CEREAL SUB	23	0.00	0.00
CEREAL SUB	24	0.06	0.01
CEREAL SUB	25	0.02	0.00
CEREAL SUB	27	0.00	0.00
CEREAL SUB	28	0.00	0.00
CEREAL SUB	32	0.00	0.00
CEREAL SUB	38	0.00	0.00
** HAR14			
PULSE & PR	20	1.10	1.79
PULSE & PR	21	0.99	1.84
PULSE & PR	22	0.67	1.23
PULSE & PR	23	0.92	2.67
PULSE & PR	24	0.91	2.05
PULSE & PR	25	2.12	2.20
PULSE & PR	27	0.93	1.89
PULSE & PR	28	0.75	1.53
PULSE & PR	32	0.78	1.70
PULSE & PR	38	0.97	1.98
** HAR15			
MILK & PR	20	8.93	22.74
MILK & PR	21	7.73	25.73
MILK & PR	22	6.86	25.47

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PER CAPITA CONSUMER EXPENDITURE (Rs.) BY DECILES
lower deciles: Average of 1,2 &3
Upper deciles: Average of 7,8 & 9

	ROUNDS	Lower Decile	Upper decile
MILK & PR	23	5.53	25.69
MILK & PR	24	7.35	23.31
MILK & PR	25	7.51	20.94
MILK & PR	27	7.35	24.98
MILK & PR	28	6.86	28.24
MILK & PR	32	8.27	27.41
MILK & PR	38	9.44	26.29
** HAR27			
TOTAL FOOD	20	32.39	58.02
TOTAL FOOD	21	33.31	66.50
TOTAL FOOD	22	28.60	59.06
TOTAL FOOD	23	31.42	69.49
TOTAL FOOD	24	30.55	62.47
TOTAL FOOD	25	29.57	58.55
TOTAL FOOD	27	32.30	66.54
TOTAL FOOD	28	29.50	63.07
TOTAL FOOD	32	28.65	59.71
TOTAL FOOD	38	28.37	56.69
** HAR30			
TOTAL EXP.	20	40.89	87.96
TOTAL EXP.	21	42.44	89.60
TOTAL EXP.	22	36.02	76.73
TOTAL EXP.	23	40.17	87.05
TOTAL EXP.	24	35.27	99.86
TOTAL EXP.	25	36.89	80.04
TOTAL EXP.	27	41.72	96.91
TOTAL EXP.	28	36.55	84.33
TOTAL EXP.	32	37.31	84.57
TOTAL EXP.	38	37.76	80.79
** HAU 1			
FOODGRAINS	20	12.13	15.88
FOODGRAINS	21	11.73	18.95
FOODGRAINS	22	9.68	15.72
FOODGRAINS	23	16.31	19.20
FOODGRAINS	24	13.03	16.55
FOODGRAINS	25	12.90	17.97
FOODGRAINS	27	12.48	17.55
FOODGRAINS	28	13.65	17.51
FOODGRAINS	32	13.07	16.97
FOODGRAINS	38	12.08	15.43
** HAU 2			
CEREALS	20	10.69	14.11
CEREALS	21	10.81	17.07
CEREALS	22	9.24	14.39
CEREALS	23	13.72	16.36
CEREALS	24	11.78	16.35
CEREALS	25	11.21	15.45
CEREALS	27	11.41	15.42

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PER CAPITA CONSUMER EXPENDITURE (Rs.) BY DECILES
lower deciles: Average of 1,2 &3
Upper deciles: Average of 7,8 & 9

	ROUNDS	Lower Decile	Upper decile
CEREALS	28	13.41	16.08
CEREALS	32	12.29	14.70
CEREALS	38	10.97	12.84
** HAU 3			
RICE & PR	27	1.06	1.79
RICE & PR	28	0.68	1.54
RICE & PR	32	0.85	1.92
** HAU 4			
WHEAT & PR	27	10.40	14.27
WHEAT & PR	28	14.74	16.86
WHEAT & PR	32	11.49	12.90
** HAU 5			
JAWAR & PR	27	0.05	0.07
JAWAR & PR	28	0.00	0.00
JAWAR & PR	32	0.01	0.00
** HAU 6			
BAJRA & PR	27	0.27	0.18
BAJRA & PR	28	0.46	0.74
BAJRA & PR	32	0.22	0.14
** HAU 7			
MAIZE & PR	27	0.34	0.18
MAIZE & PR	28	0.08	0.02
MAIZE & PR	32	0.03	0.10
** HAU 8			
RAGI & PR	27	0.00	0.00
RAGI & PR	28	0.00	0.00
RAGI & PR	32	0.00	0.00
** HAU 9			
BARLEY &PR	27	0.03	0.01
BARLEY &PR	28	0.00	0.00
BARLEY &PR	32	0.00	0.01
** HAU10			
SM. MILLET	27	0.00	0.00
SM. MILLET	28	0.00	0.00
SM. MILLET	32	0.00	0.00
** HAU11			
GRAM	20	0.73	0.39
GRAM	21	0.34	0.25
GRAM	22	0.13	0.30
GRAM	23	1.48	0.94
GRAM	24	0.14	0.36
GRAM	25	0.67	0.51
GRAM	27	0.22	0.30

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PER CAPITA CONSUMER EXPENDITURE (Rs.) BY DECILES
lower deciles: Average of 1,2 &3
Upper deciles: Average of 7,8 & 9

	ROUNDS	Lower Decile	Upper decile
GRAM	28	0.03	0.06
GRAM	32	0.12	0.22
GRAM	38	0.14	0.28
** HAU13			
CEREAL SUB	20	0.00	0.00
CEREAL SUB	21	0.00	0.00
CEREAL SUB	22	0.00	0.00
CEREAL SUB	23	0.00	0.00
CEREAL SUB	24	0.00	0.00
CEREAL SUB	25	0.00	0.00
CEREAL SUB	27	0.00	0.00
CEREAL SUB	28	0.00	0.00
CEREAL SUB	32	0.00	0.00
CEREAL SUB	38	0.00	0.00
** HAU14			
PULSE & PR	20	0.73	1.45
PULSE & PR	21	0.63	1.75
PULSE & PR	22	0.69	1.4[illegible]
PULSE & PR	23	1.09	1.85
PULSE & PR	24	1.08	1.77
PULSE & PR	25	1.02	2.00
PULSE & PR	27	1.03	1.97
PULSE & PR	28	0.69	1.73
PULSE & PR	32	1.03	2.22
PULSE & PR	38	1.21	2.32
** HAU15			
MILK & PR	20	4.39	20.81
MILK & PR	21	6.31	14.59
MILK & PR	22	4.07	19.84
MILK & PR	23	6.26	17.35
MILK & PR	24	4.99	18.22
MILK & PR	25	5.16	16.00
MILK & PR	27	6.05	18.48
MILK & PR	28	3.94	16.03
MILK & PR	32	6.81	23.25
MILK & PR	38	6.43	21.54
** HAU27			
TOTAL FOOD	20	23.33	50.66
TOTAL FOOD	21	24.73	50.89
TOTAL FOOD	22	20.61	52.28
TOTAL FOOD	23	31.88	58.47
TOTAL FOOD	24	25.69	55.78
TOTAL FOOD	25	26.62	55.17
TOTAL FOOD	27	28.19	57.61
TOTAL FOOD	28	26.34	52.09
TOTAL FOOD	32	28.39	56.16
TOTAL FOOD	38	28.33	58.53

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PER CAPITA CONSUMER EXPENDITURE (Rs.) BY DECILES
lower deciles: Average of 1,2 &3
Upper deciles: Average of 7,8 & 9

ROUNDS	Lower Decile	Upper decile
** HAUZO		
TOTAL EXP. 20	30.98	77.79
TOTAL EXP. 21	32.90	78.86
TOTAL EXP. 22	29.05	82.23
TOTAL EXP. 23	42.67	93.68
TOTAL EXP. 24	33.75	85.70
TOTAL EXP. 25	35.21	85.99
TOTAL EXP. 27	37.98	89.83
TOTAL EXP. 28	33.63	75.91
TOTAL EXP. 32	37.75	87.59
TOTAL EXP. 38	39.04	97.05

PER CAPITA ENERGY INTAKE (CALORIES PER DAY) BY DECILES

HAR	20	2014	3229
HAR	21	2132	3634
HAR	22	1793	3231
HAR	23	2094	4011
HAR	24	1926	3317
HAR	25	1849	3211
HAR	27	1973	3327
HAR	28	1738	3130
HAR	32	1740	3131
HAR	38	1621	2843

HAU	20	1445	2471
HAU	21	1488	2641
HAU	22	1329	2443
HAU	23	1589	2877
HAU	24	1547	2743
HAU	25	1574	2644
HAU	27	1550	2636
HAU	28	1551	2482
HAU	32	1645	2720
HAU	38	1572	2555

PER CAPITA ENERGY INTAKE (PROTEIN PER DAY) BY DECILES

HAR	20	61	99
HAR	21	64	116
HAR	22	53	94
HAR	23	62	119
HAR	24	55	101
HAR	25	56	97
HAR	27	57	103
HAR	28	52	98
HAR	32	53	97
HAR	38	48	86

HAU	20	41	71
HAU	21	41	74
HAU	22	33	70
HAU	23	55	80
HAU	24	44	79
HAU	25	45	74
HAU	27	44	76
HAU	28	45	72
HAU	32	47	81
HAU	38	44	75

FIG.1

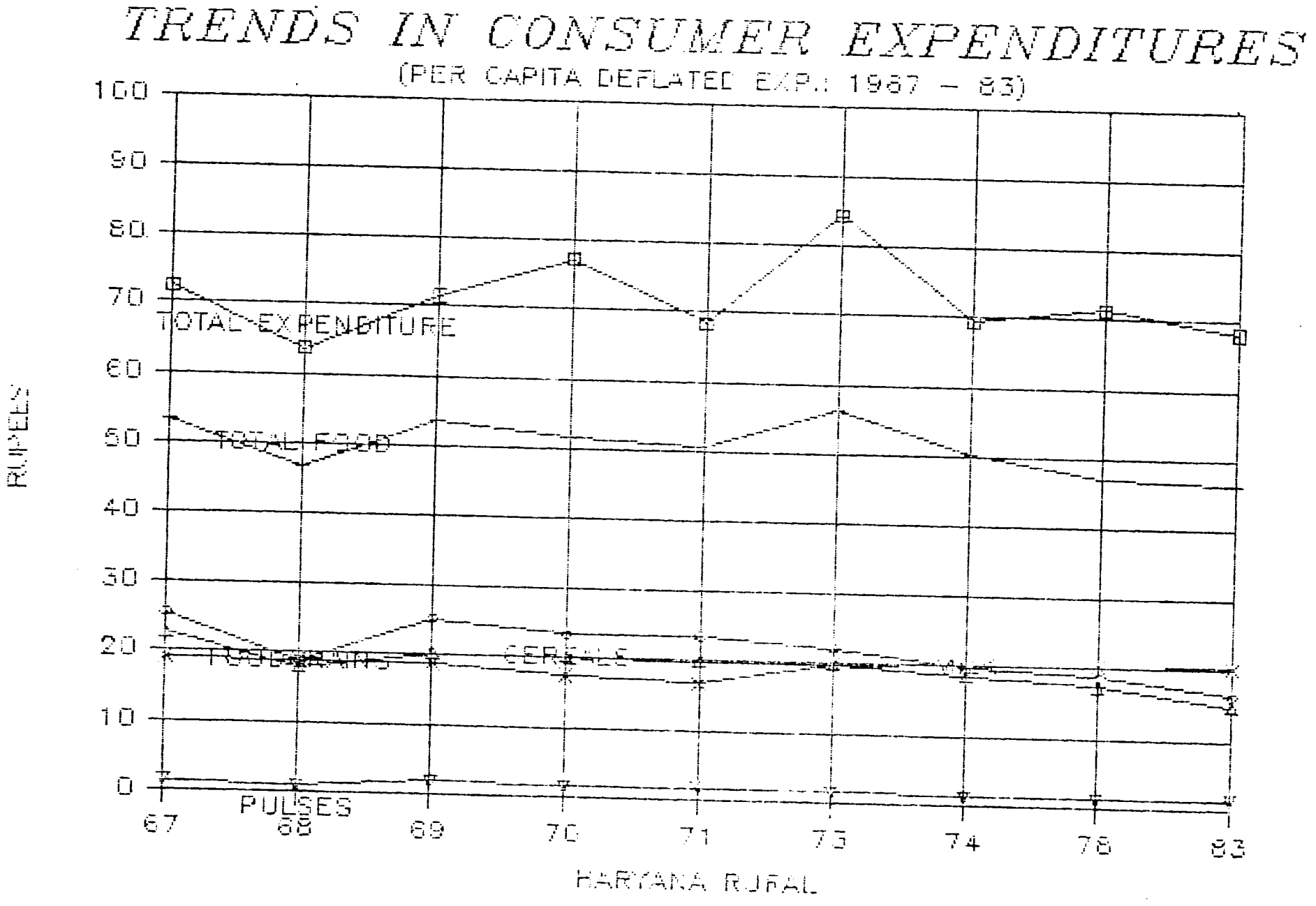
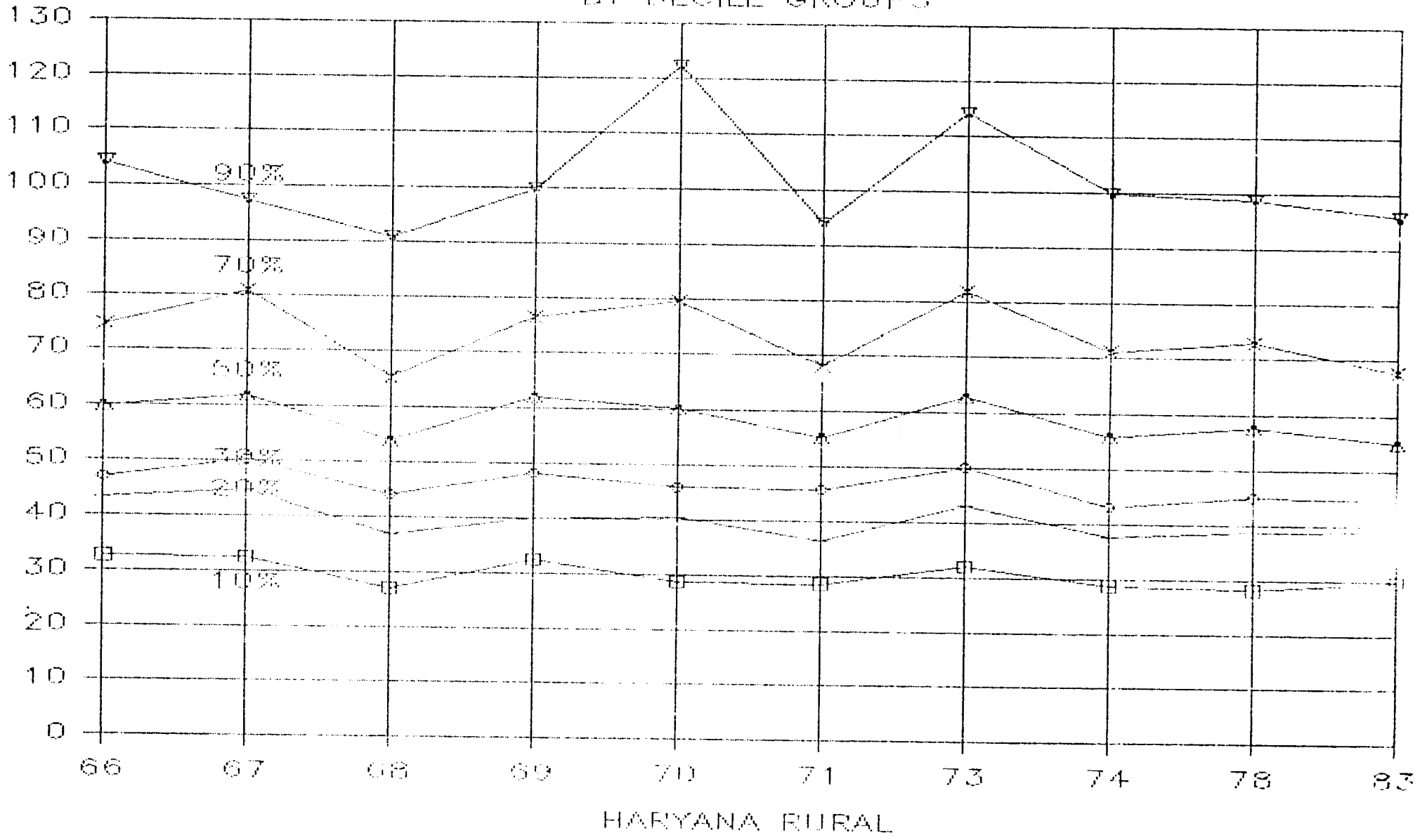

TRENDS IN CONSUMER EXPENDITURES
(PER CAPITA DEFLATED EXP.: 1987 - 83)
RUPEES
100
90
80
70
60
50
40
30
20
10
0
TOTAL EXPENDITURE
TOTAL FOOD
PULSES
67
68
69
70
71
73
74
78
83
HARYANA RURAL

FIG.2

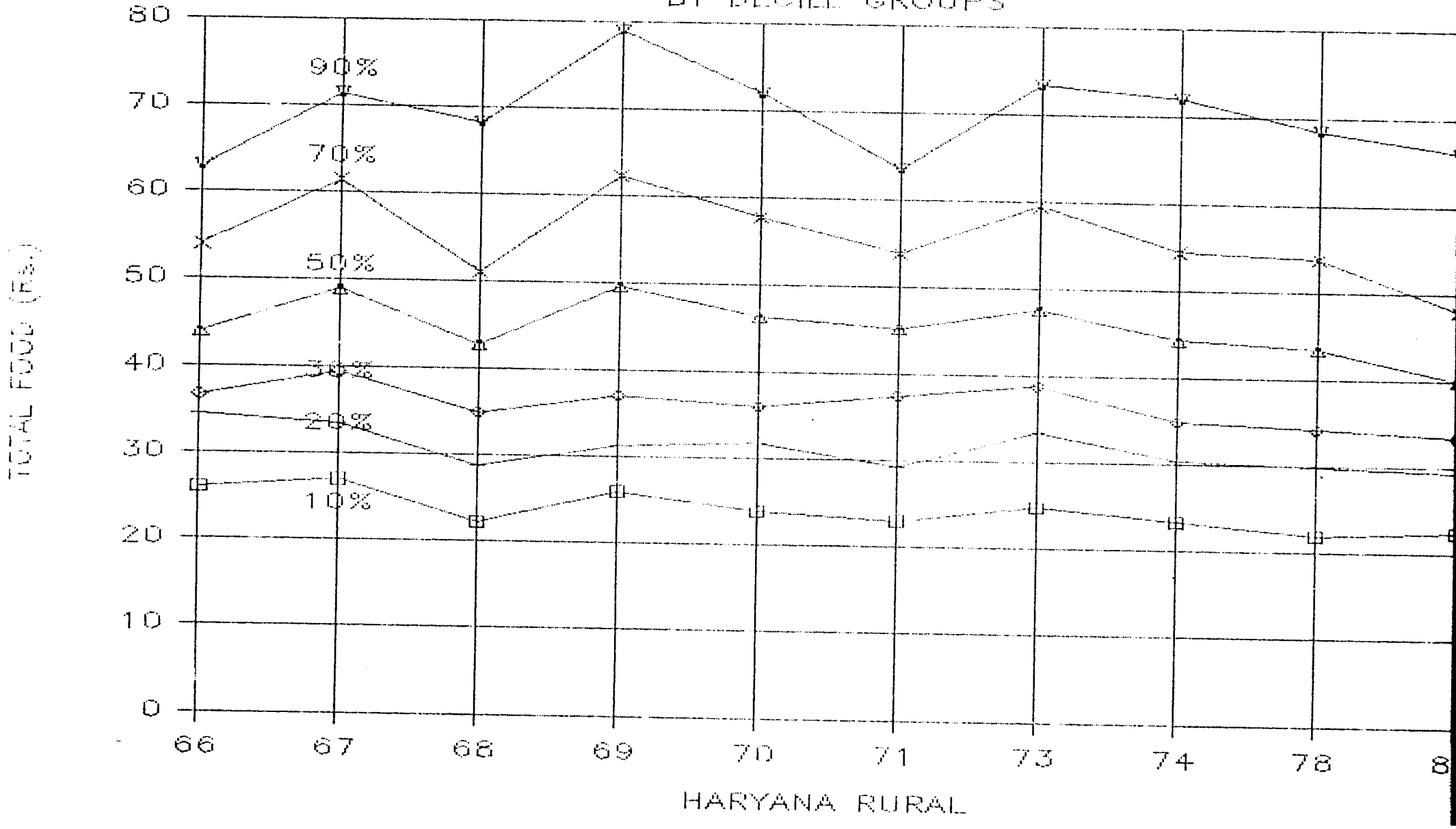
PER CAPITA EXPENDITURES: 1966-8

BY DECILE GROUPS



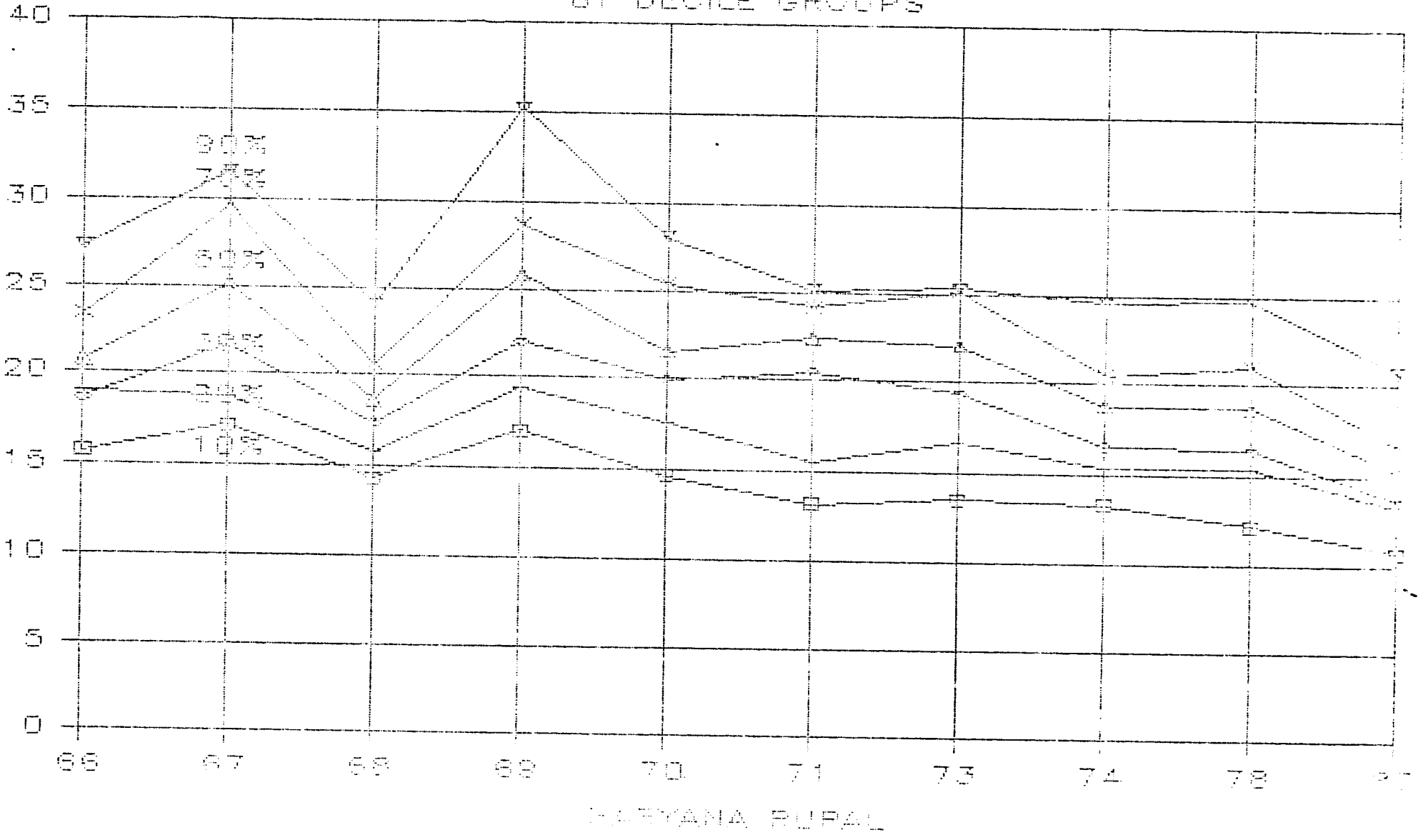
PER CAPITA EXPENDITURES: 1966–8

BY DECILE GROUPS



PER CAPITA EXPENDITURES: 1966—

BY DECILE GROUPS



PER CAPITA EXPENDITURES: 1966–83

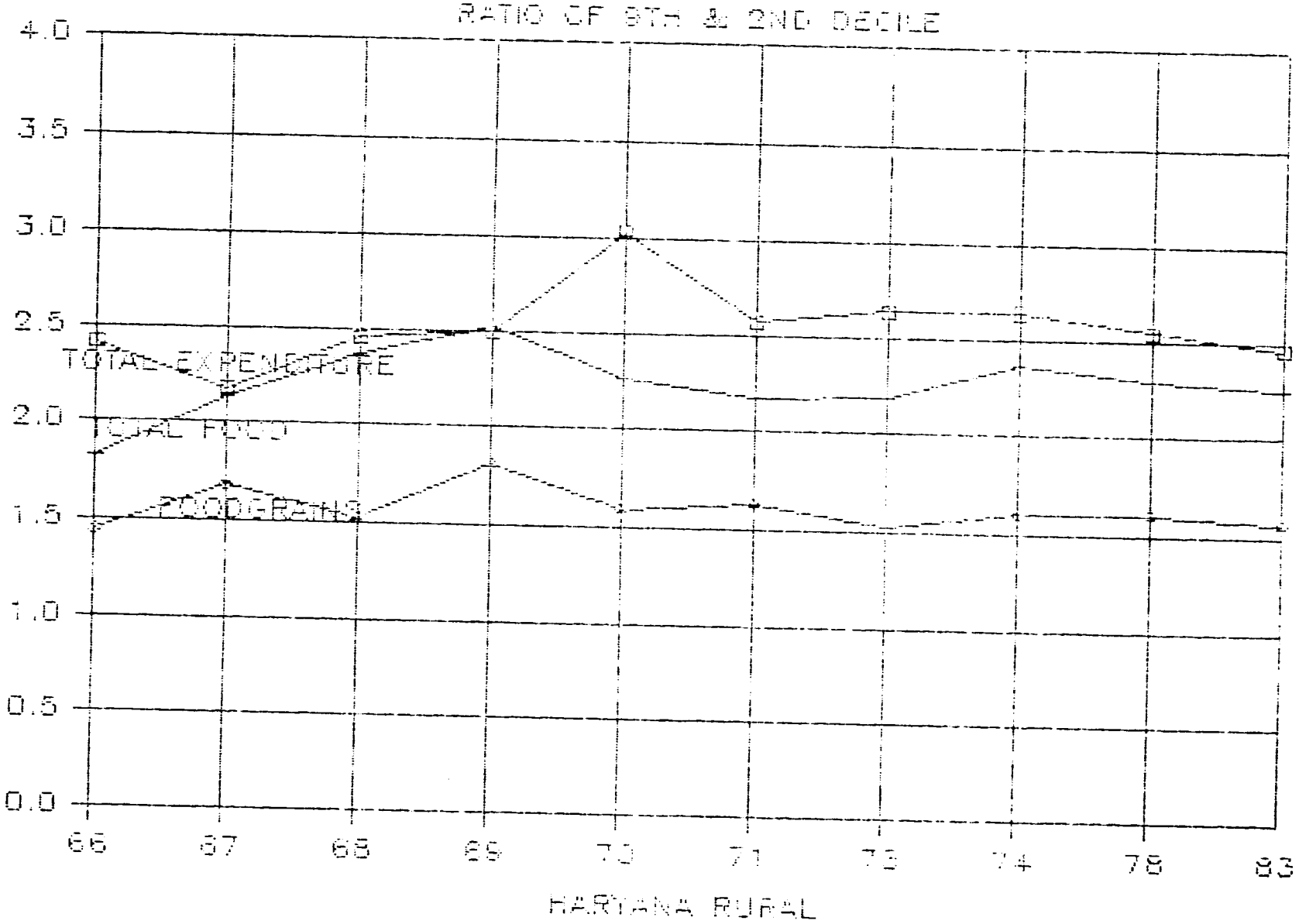
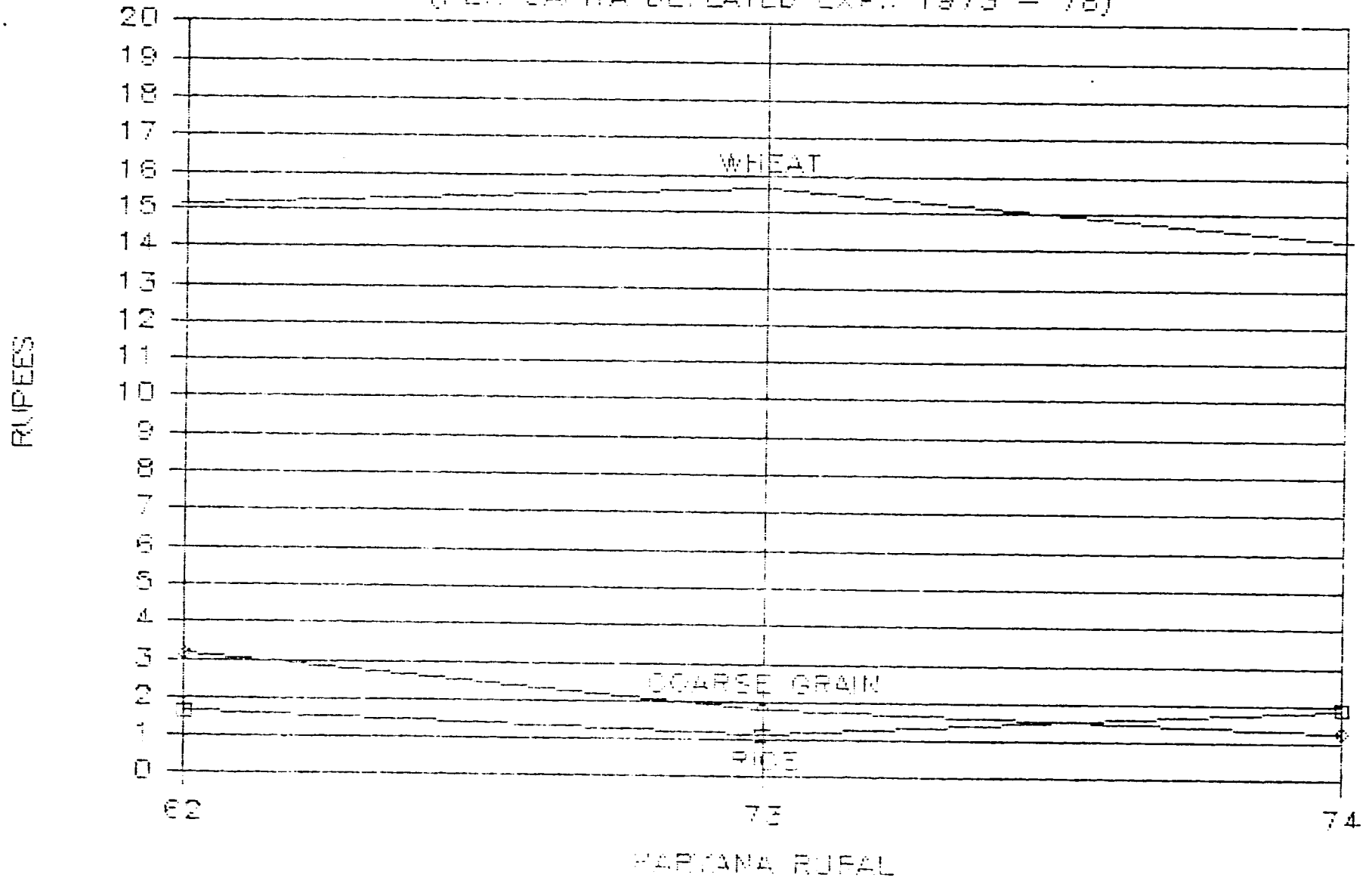


FIG.5
RATIO

FIG.6

TRENDS IN CONSUMER EXPENDITURES

(PER CAPITA DEFLATED EXP.: 1973 – 78)



PER CAPITA EXPENDITURES: 1966–83

BY DECILE GROUPS

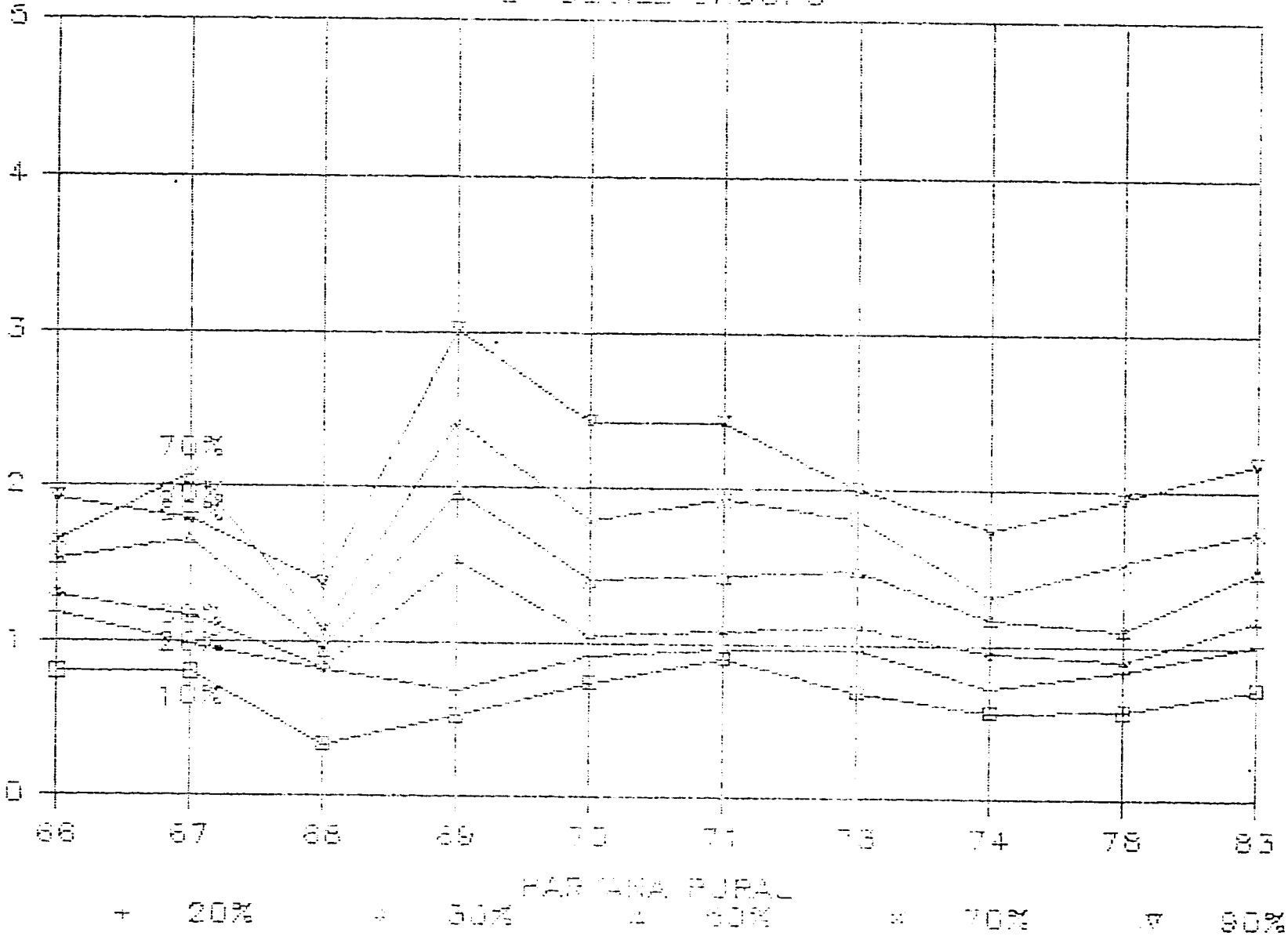


FIG. 7

PER CAPITA ENERGY INTAKE:1966-8

BY DECILE GROUPS

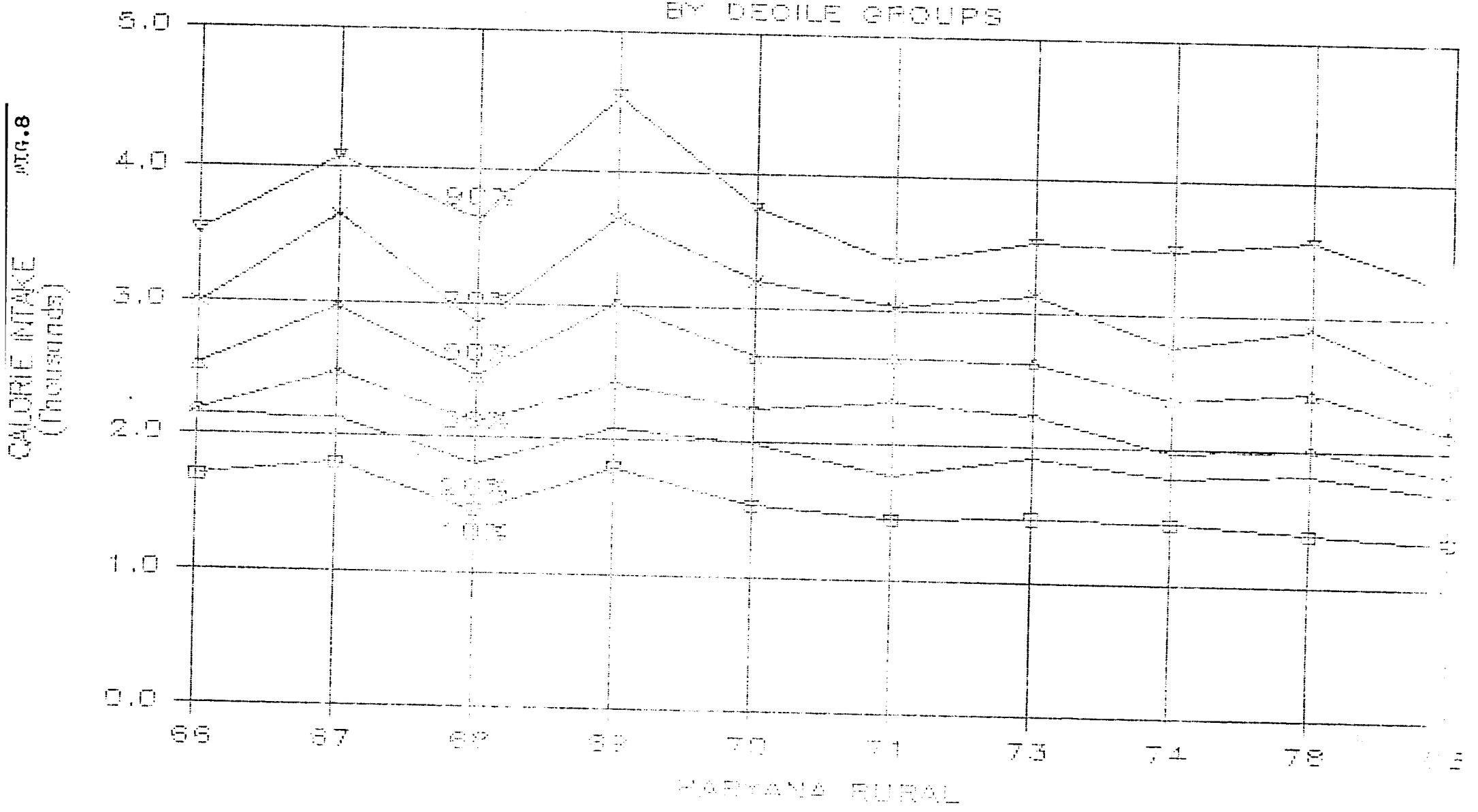


FIG.8

Fig. 9

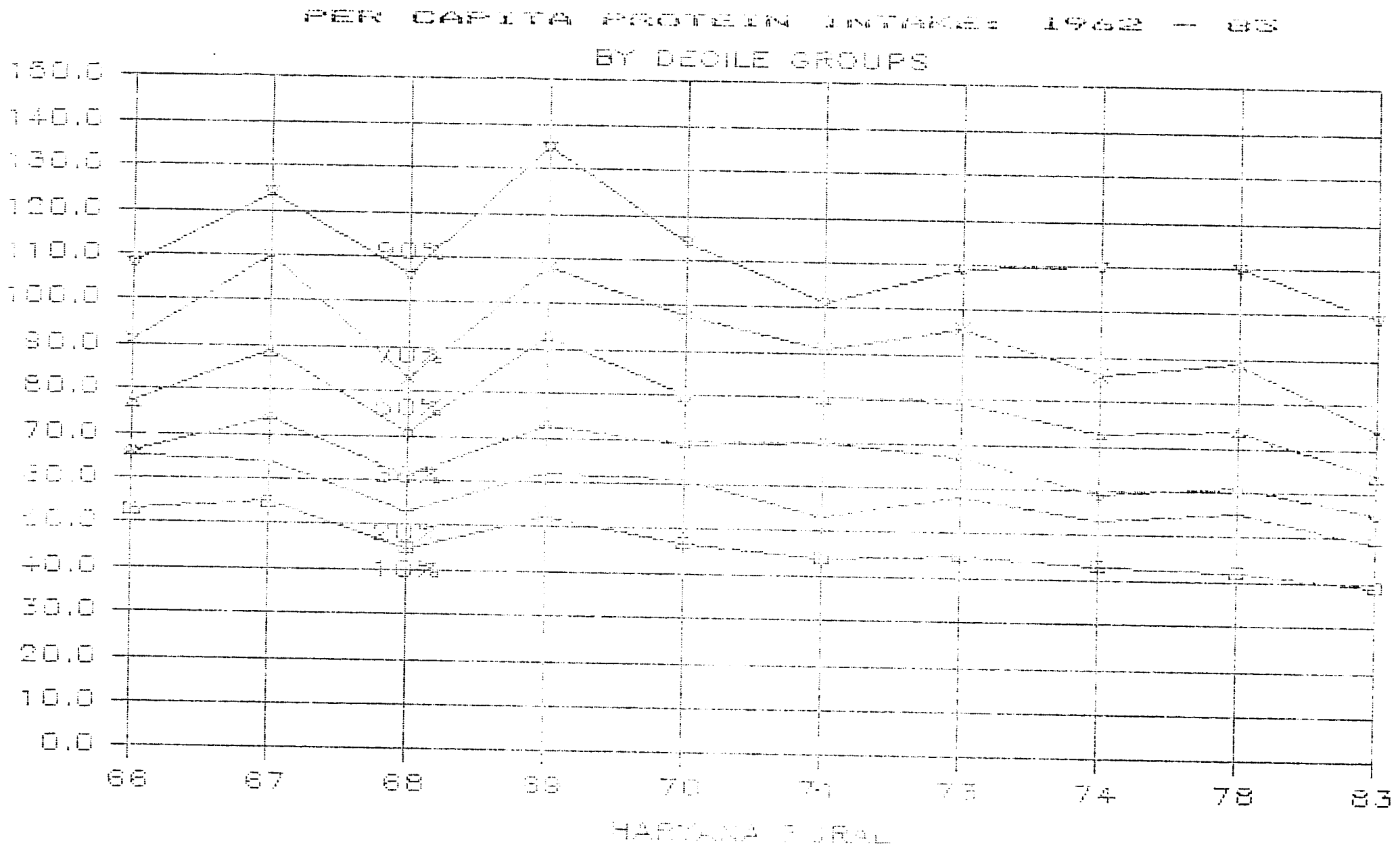

PER CAPITA PROTEIN INTAKES 1966 - 83
BY DECILE GROUPS
150.0
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
90%
70%
50%
30%
10%
66
67
68
69
70
71
73
74
78
83
HARYANA RURAL

FIG.10

TRENDS IN CONSUMER EXPENDITURES

(PERSONS BELOW POVERTY LINE: 1966 – 83)

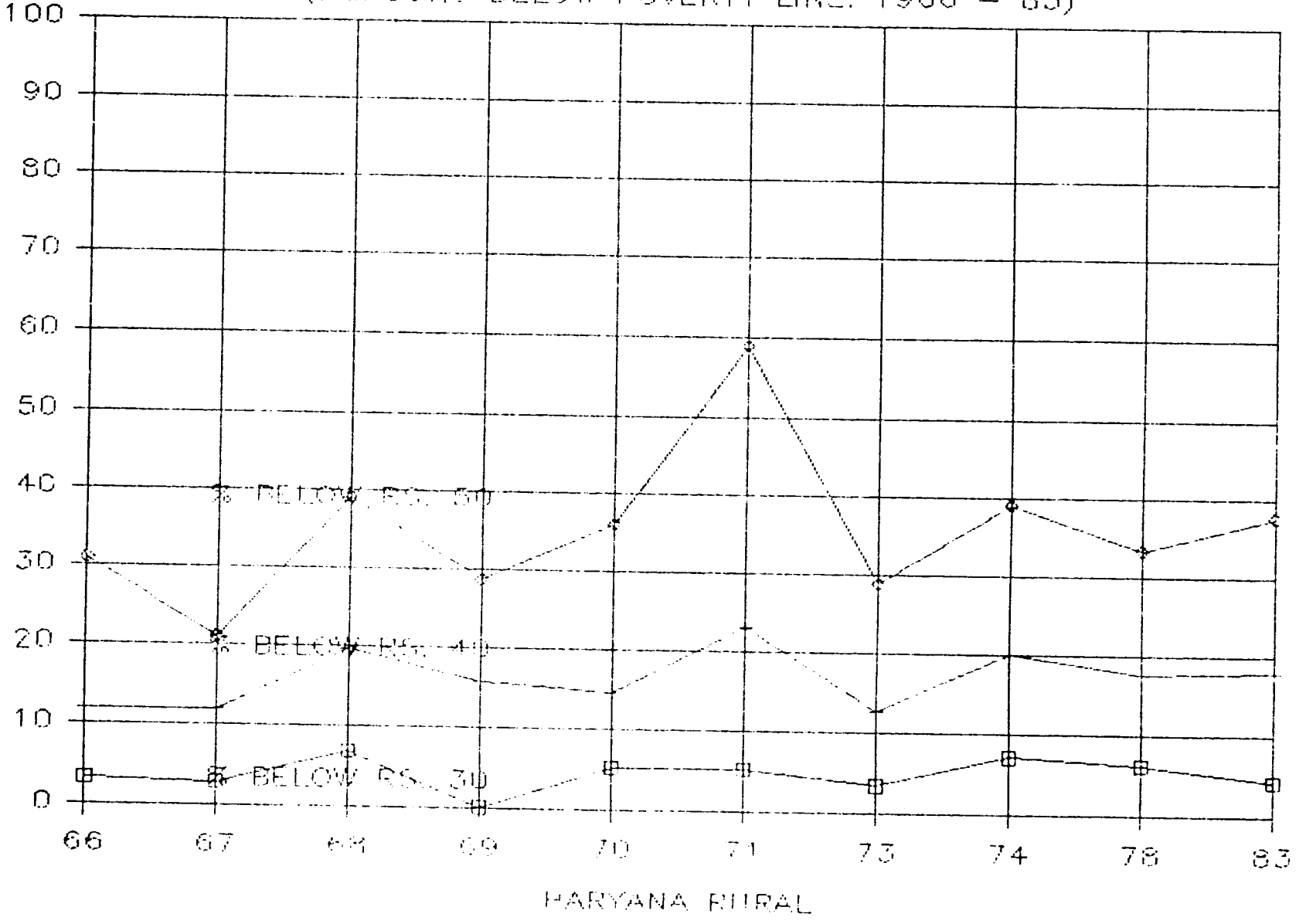
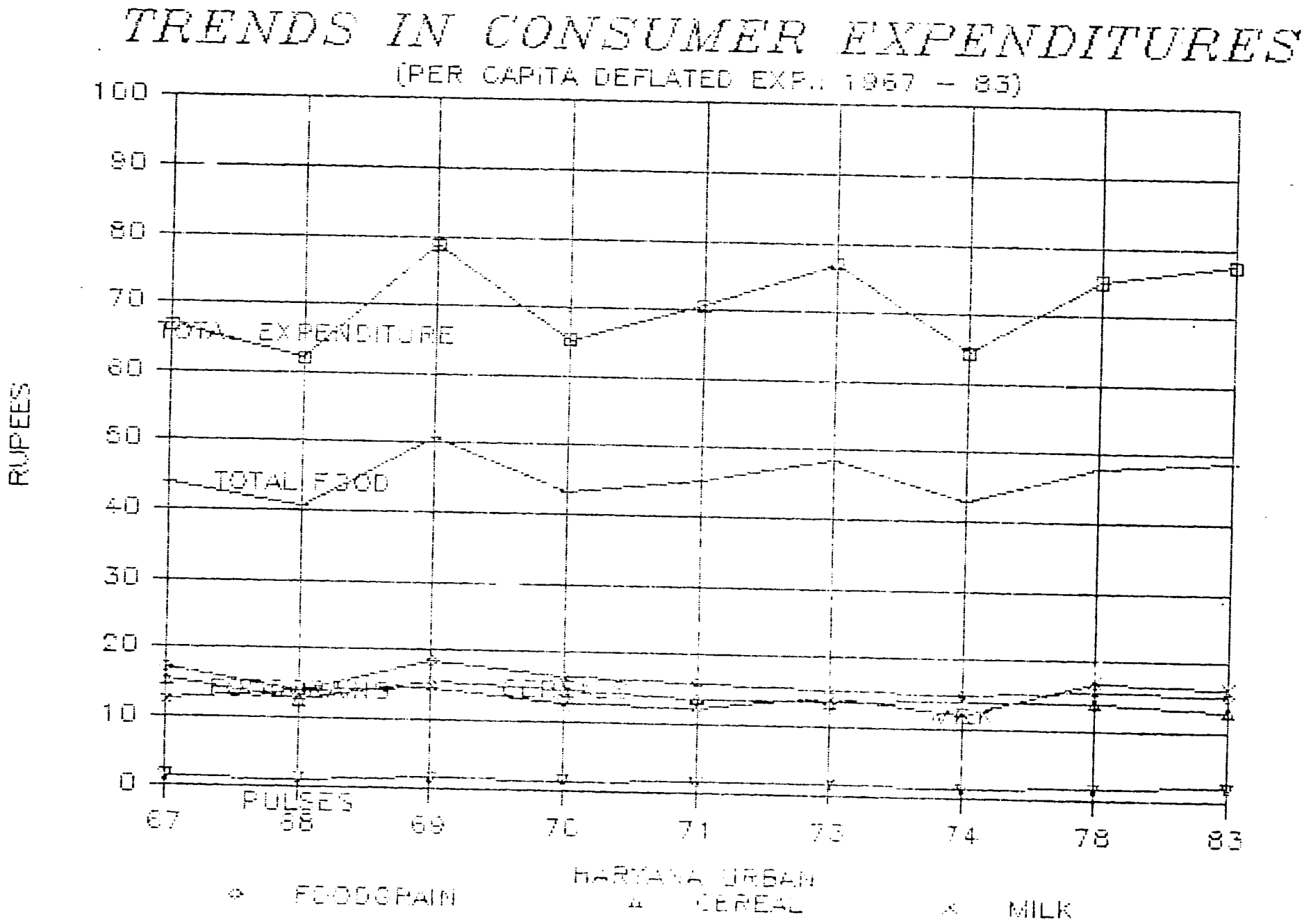
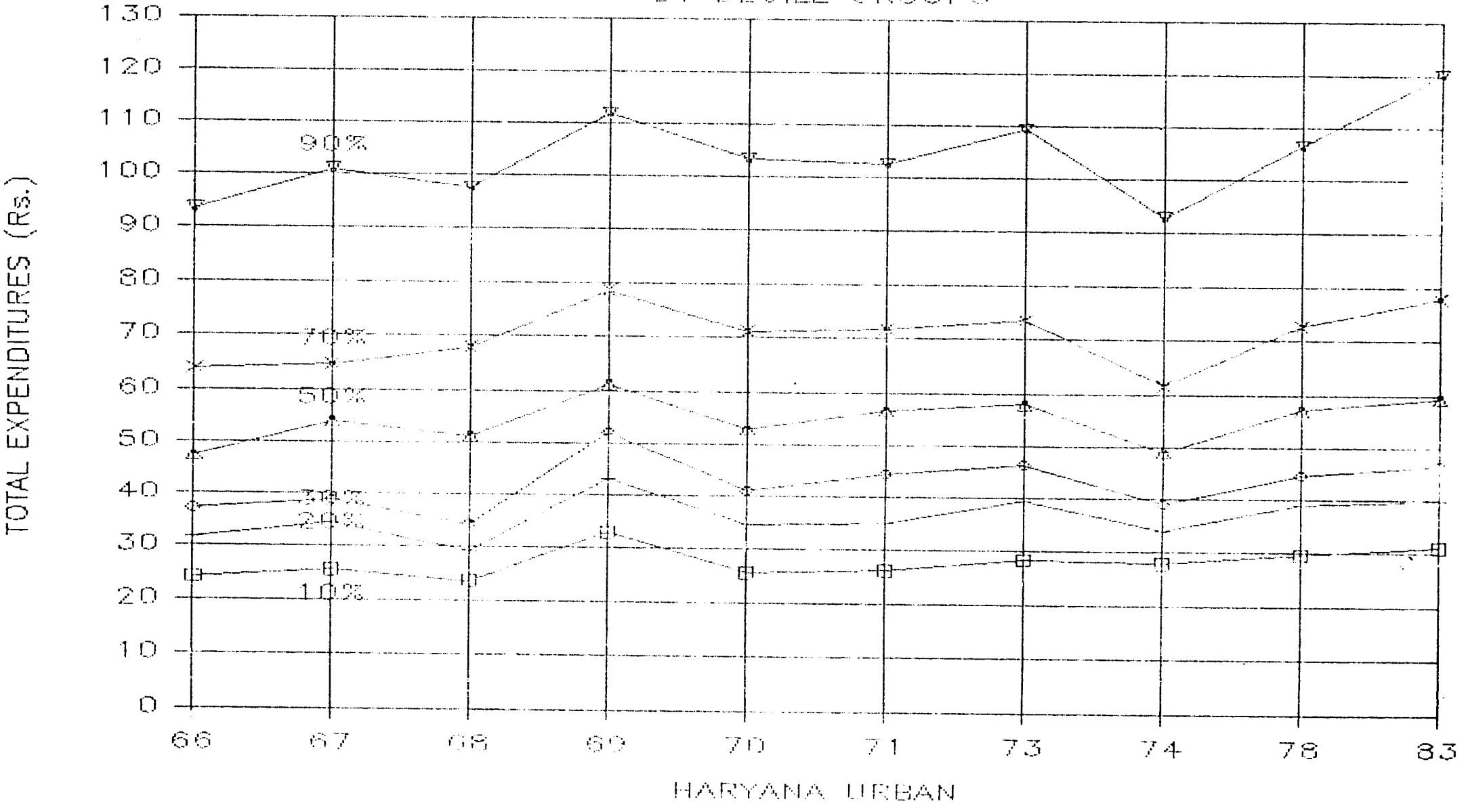


FIG.11


TRENDS IN CONSUMER EXPENDITURES
(PER CAPITA DEFLATED EXP. 1967 - 83)
RUPEES
100
90
80
70
60
50
40
30
20
10
0
TOTAL EXPENDITURE
TOTAL FOOD
PULSES
MILK
67
68
69
70
71
73
74
78
83
HARYANA URBAN
FOODGRAIN
CEREAL
MILK

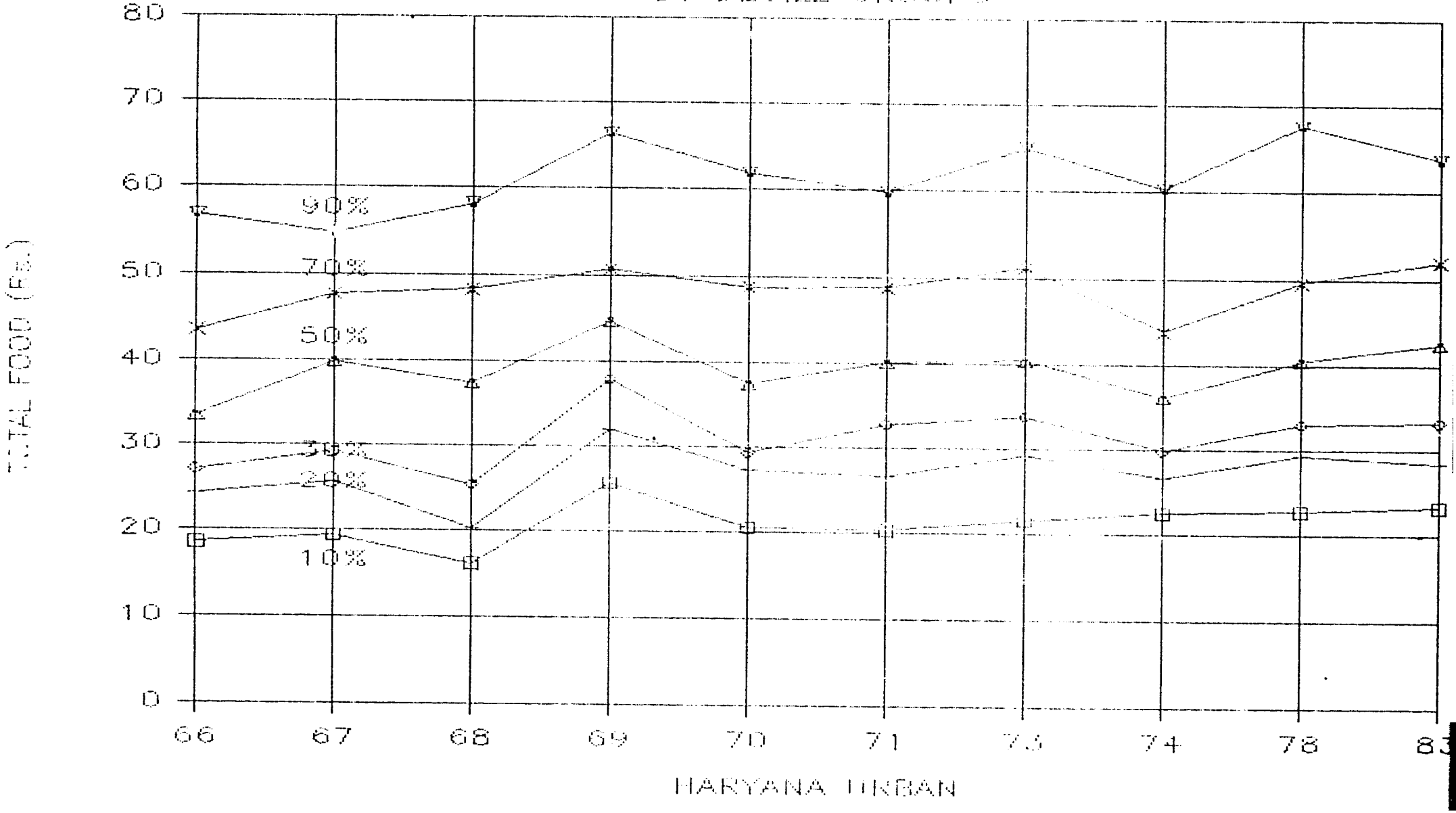
PER CAPITA EXPENDITURES: 1966–8

BY DECILE GROUPS



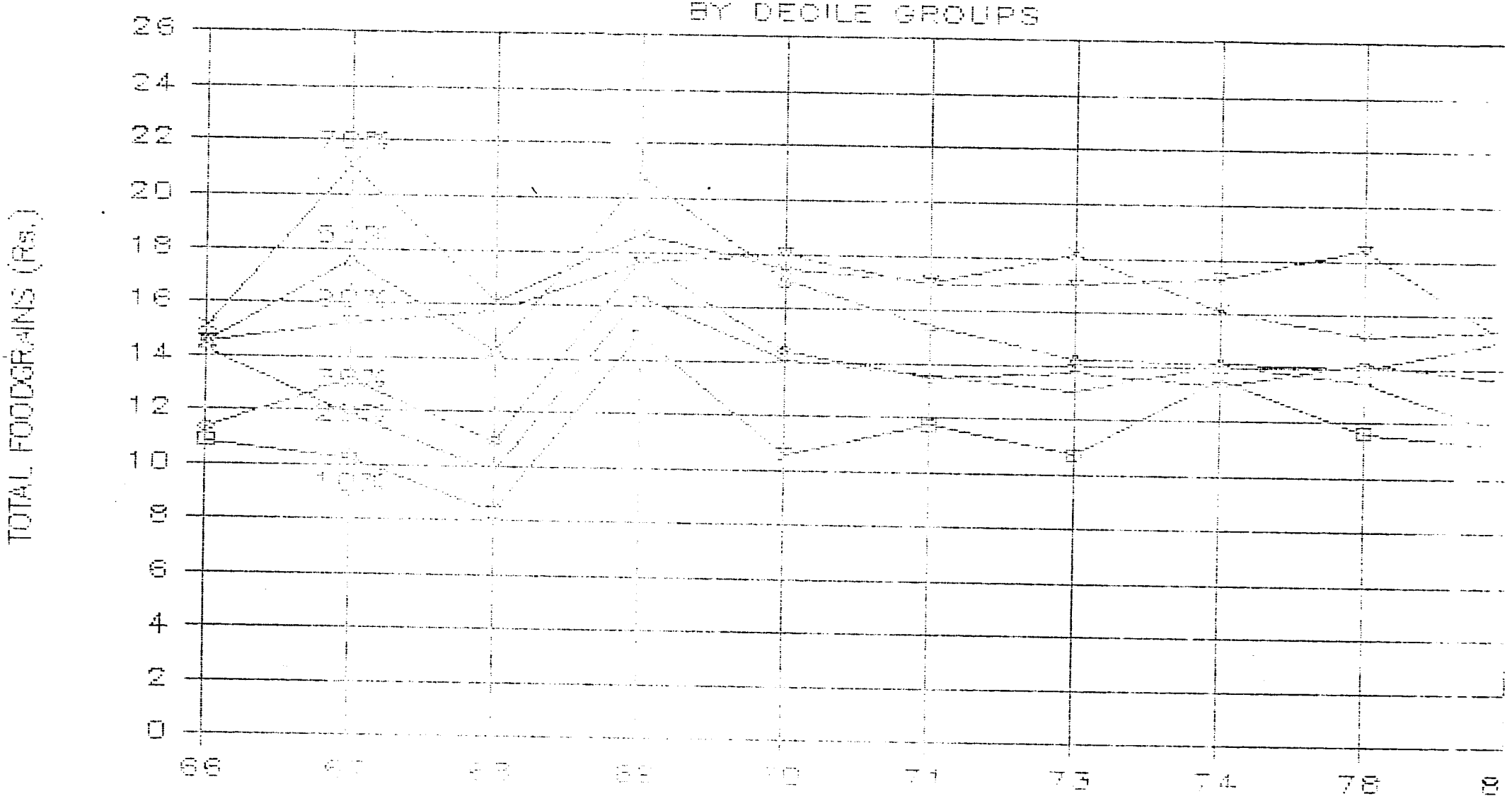
PER CAPITA EXPENDITURES: 1966–8

BY DECILE GROUPS



PER CAPITA EXPENDITURES: 1966—8

BY DECILE GROUPS



PER CAPITA EXPENDITURES: 1966--83

RATIO OF 5TH & 2ND DECILE

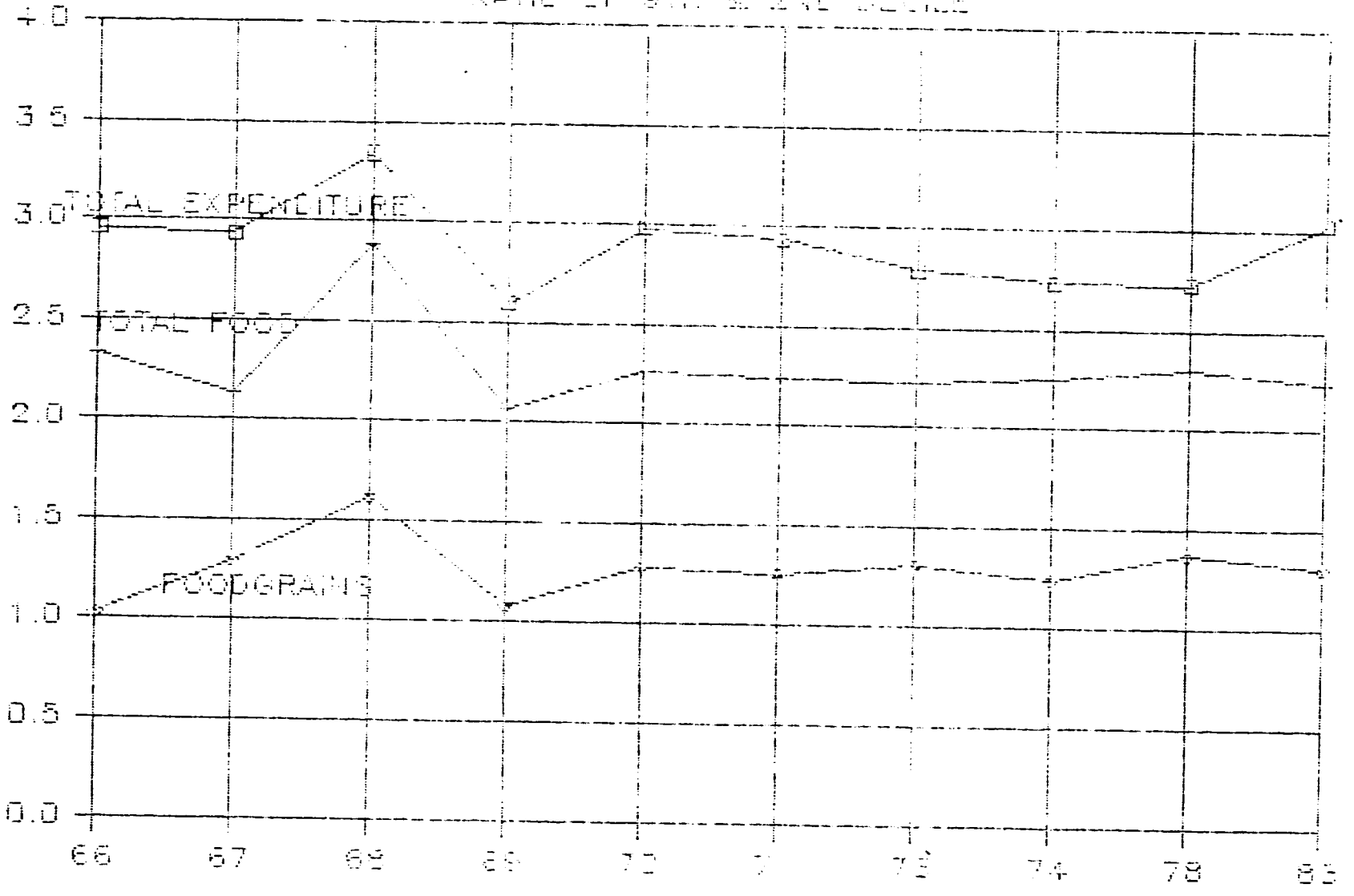


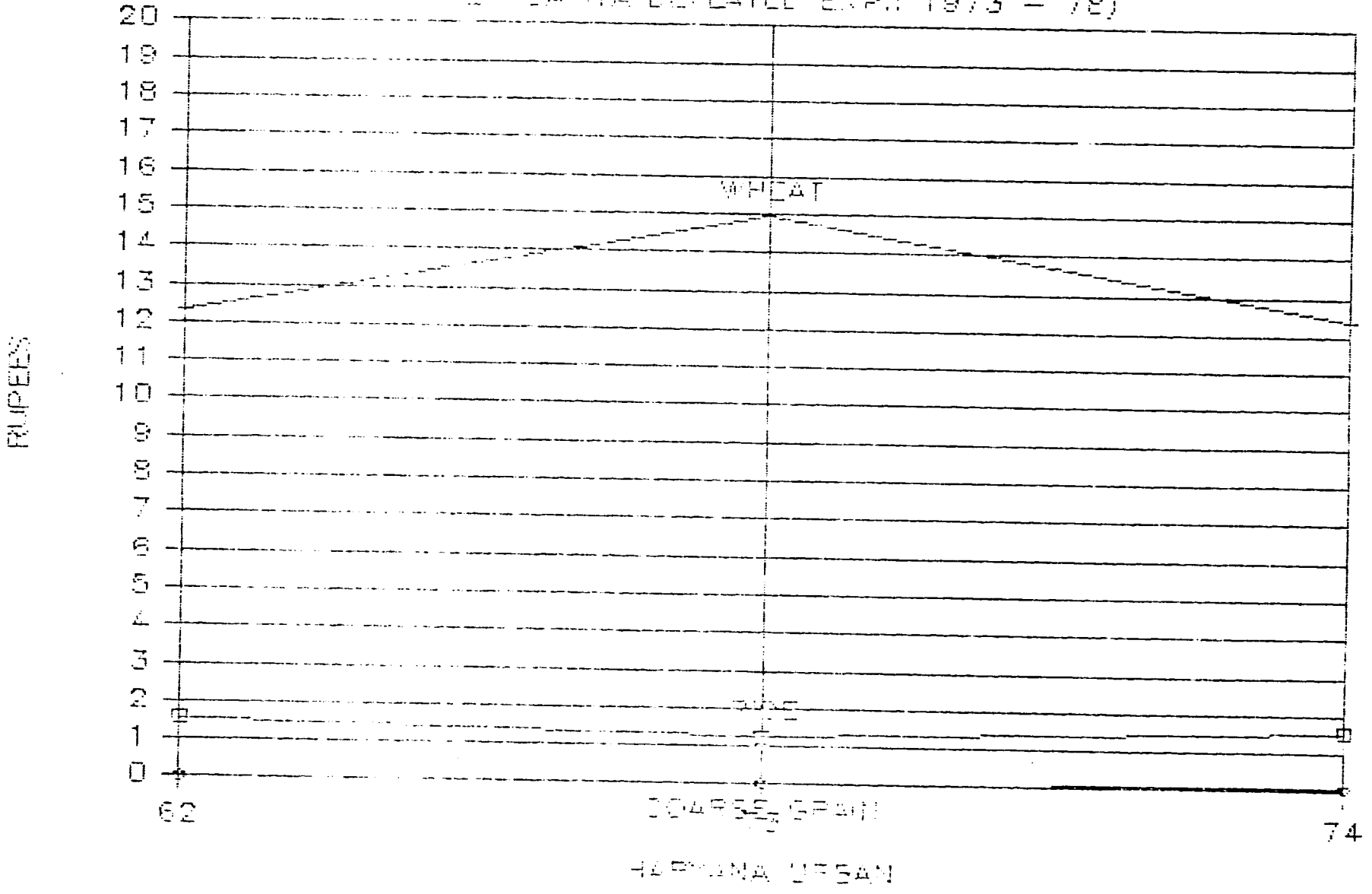
FIG.35

RATIO

FIG.16

TRENDS IN CONSUMER EXPENDITURES

(PER CAPITA DEFLATED EXP.: 1973 – 78)



PER CAPITA EXPENDITURES: 1966–8

BY DECILE GROUPS

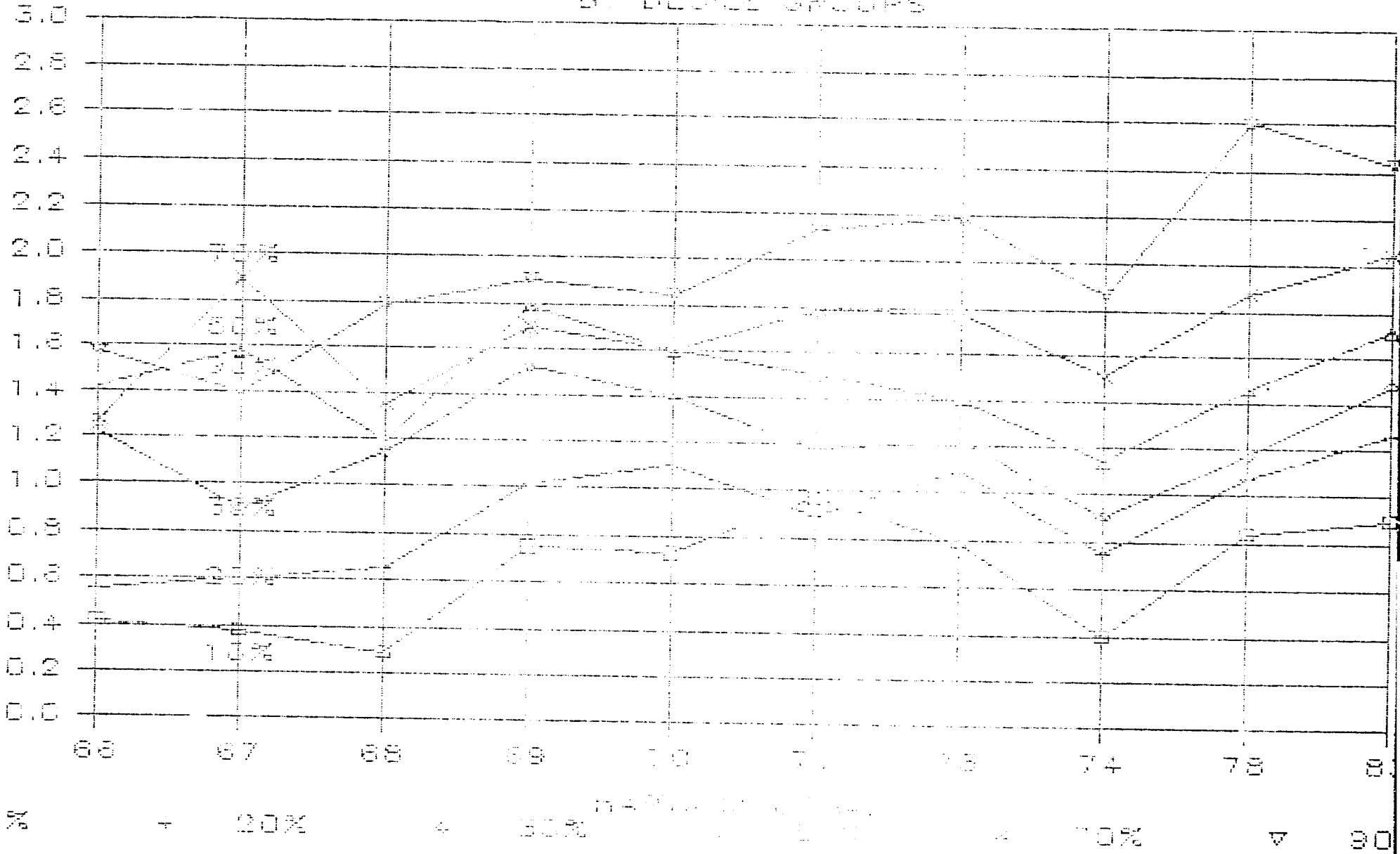


FIG.18

PER CAPITA ENERGY INTAKE: 1966–83

BY DECILE GROUPS

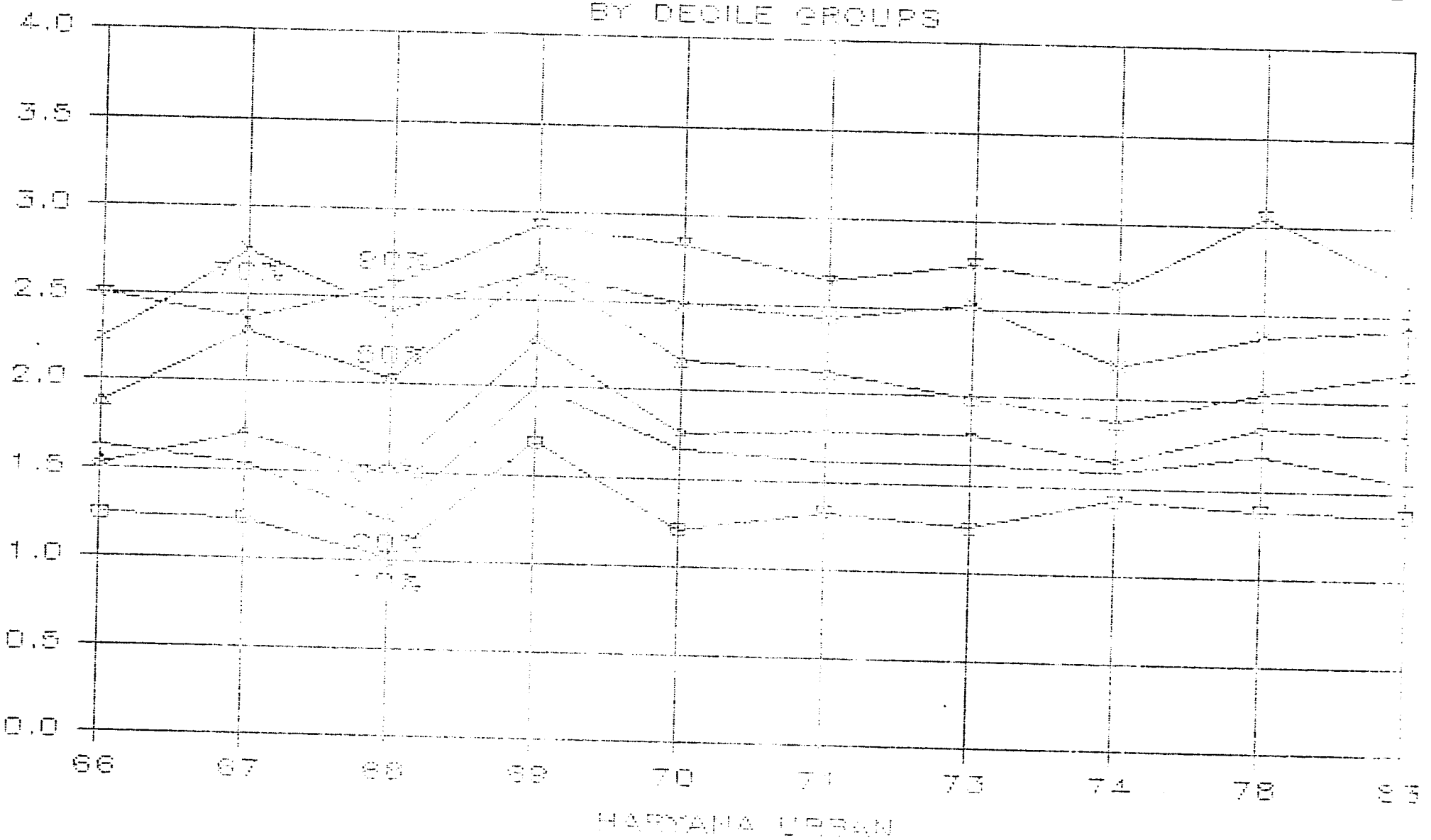


Fig. 19

PER CAPITA PROTEIN INTAKE: 1962 – 83

BY DECILE GROUPS

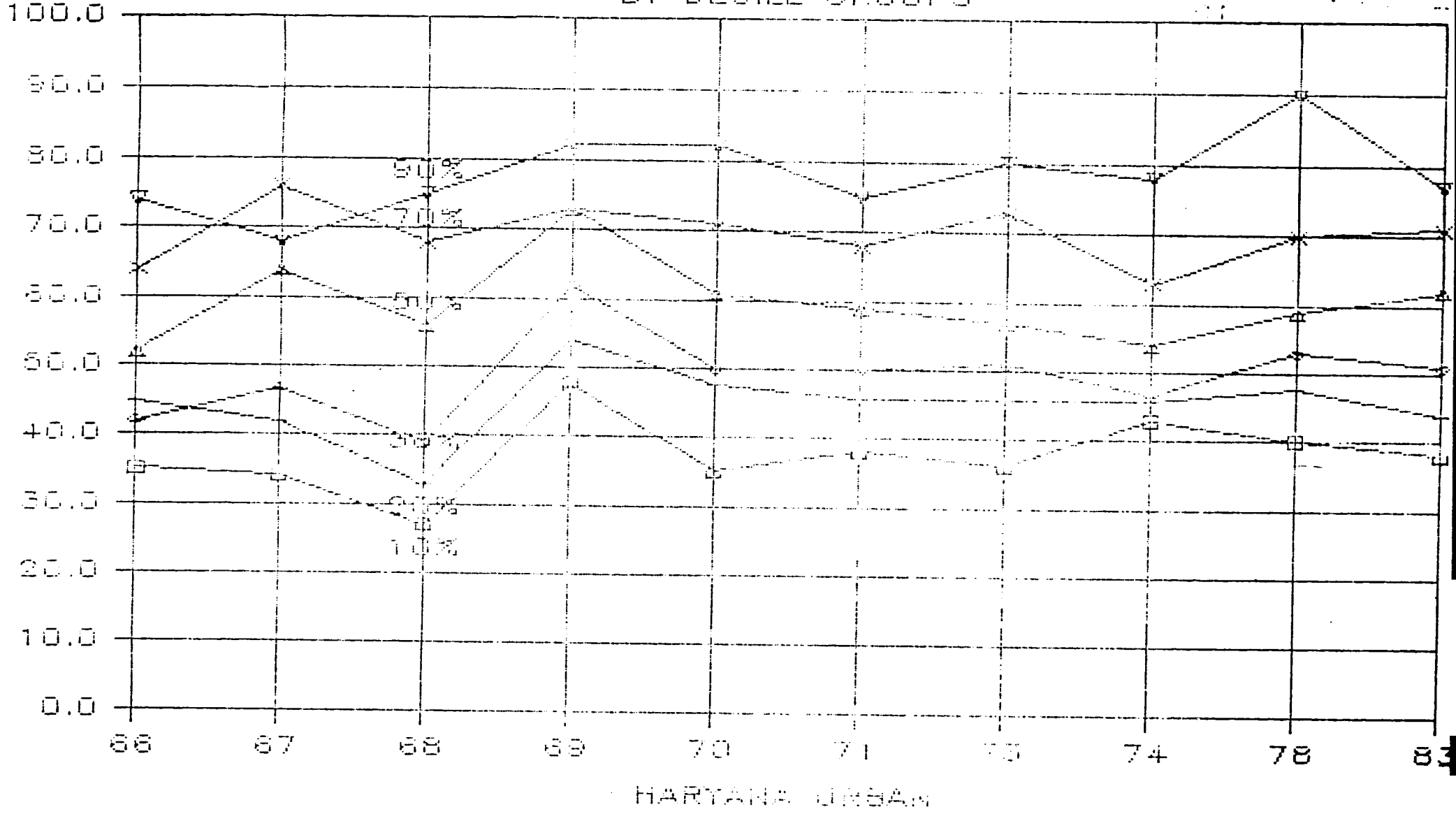
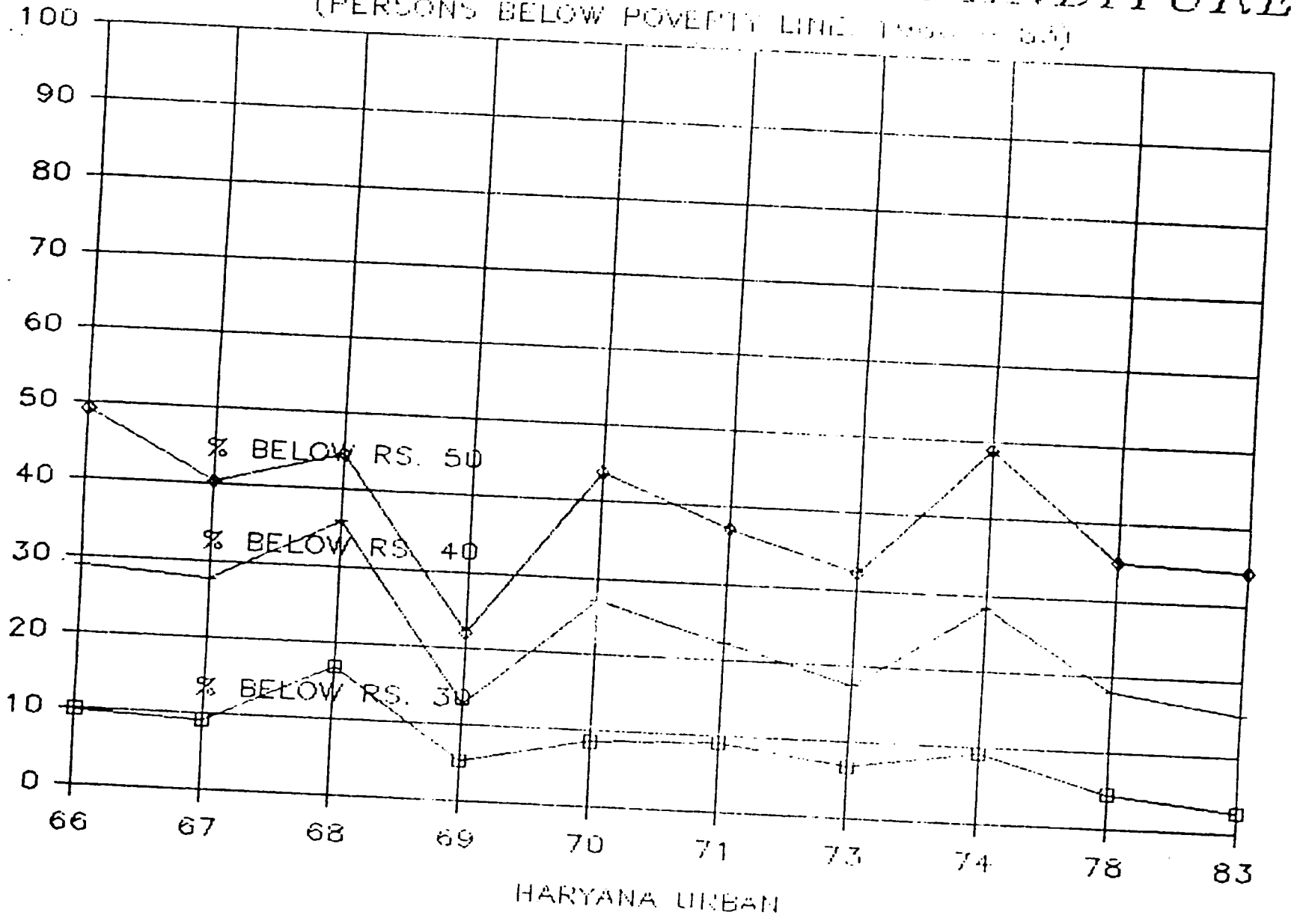


FIG. 20

TRENDS IN CONSUMER EXPENDITURES

(PERSONS BELOW POVERTY LINE [illegible])



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