

# Understanding Household Consumption expenditure - Unfolding patterns across States, Economic Categories and Social Categories

Sathishkumar Thirumalai

March 2025

## 1 Introduction

Surveys of Household Consumption Expenditure are conducted by the National Statistics Office (NSO) on a regular basis. The survey results are used by various Indian and international organizations. This article is the result of the data analysis and visualization study of the Survey of Household Consumption Expenditure: 2023-2024. This article tries to understand the patterns of expenditure in states, economic categories, and social categories. The results can be used for specialized schemes that focus on the benefits and upliftment of different socio-economic classes.

## 2 State-wise Rural and Urban Expenditure

Using the data in Table A2, the following graph is plotted, indicating the average monthly per capita expenditure (MPCE) between the rural and urban populations of different states.

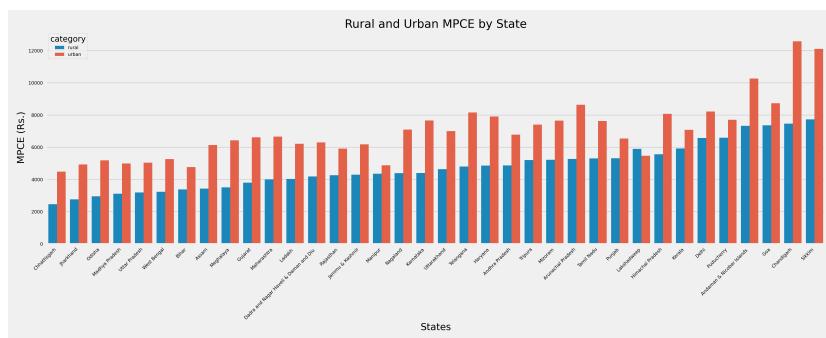


Figure 1: Rural and Urban MPCE by State

It can be seen that urban expenditure is always higher than rural expenditure. Surprisingly, smaller states and union territories tend to have the highest MPCE as indicated by the graph in Figure:1.

### 3 State-wise Expenditure on Different Items

To understand the categories of materials, the expenditure is made, we have broadly classified the items into the following three categories. Food expenditure, Intoxicants expenditure and Non-food expenditure. Note that the non-food expenditure also includes intoxicants expenditure.

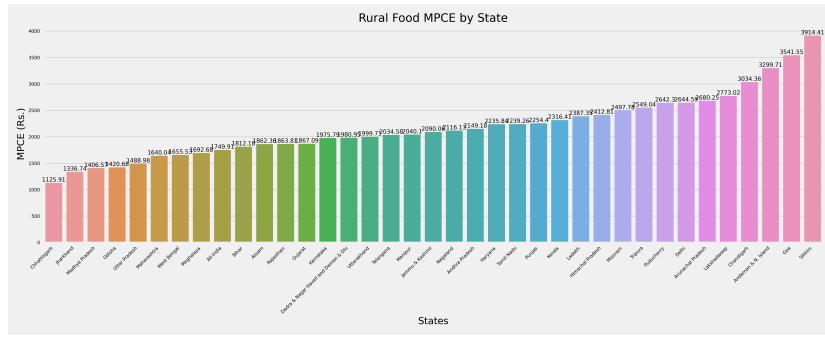


Figure 2: Rural Expenditure on food by state

### 4 Household Distribution based on MPCE state-wise

The number of households broadly falling into 0-30 percent, 30-70 percent and 70-100 percent are plotted below.

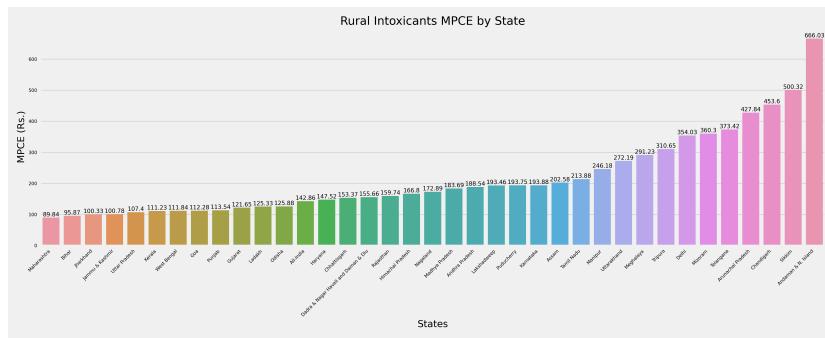


Figure 3: Rural Expenditure on Intoxicants by state

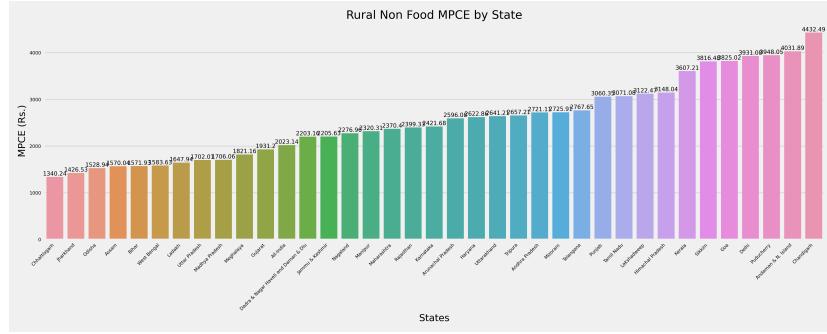


Figure 4: Rural Expenditure on non-food by state

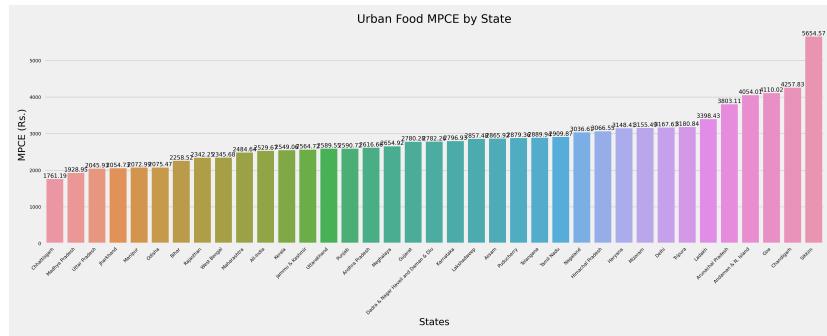


Figure 5: Urban Expenditure on food by state

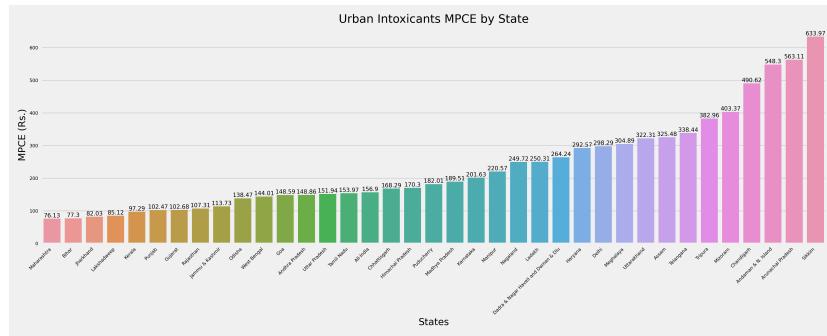


Figure 6: Urban Expenditure on intoxicants by state

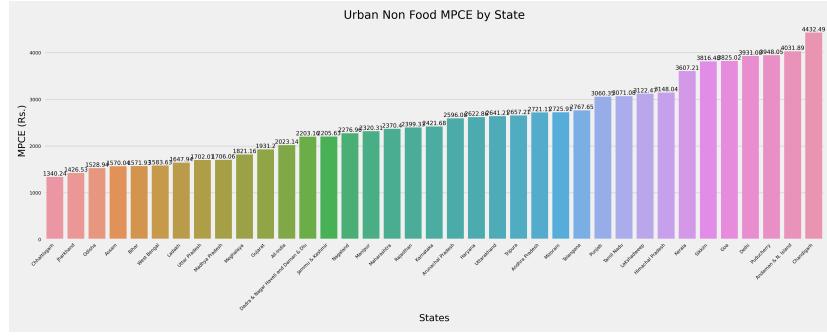


Figure 7: Urban Expenditure on non-food by state

## 5 State-wise income category graphs

The graphs of this section is attached as part of the code pdf

## 6 State-wise social category graphs

The graphs of this section is attached as part of the code pdf

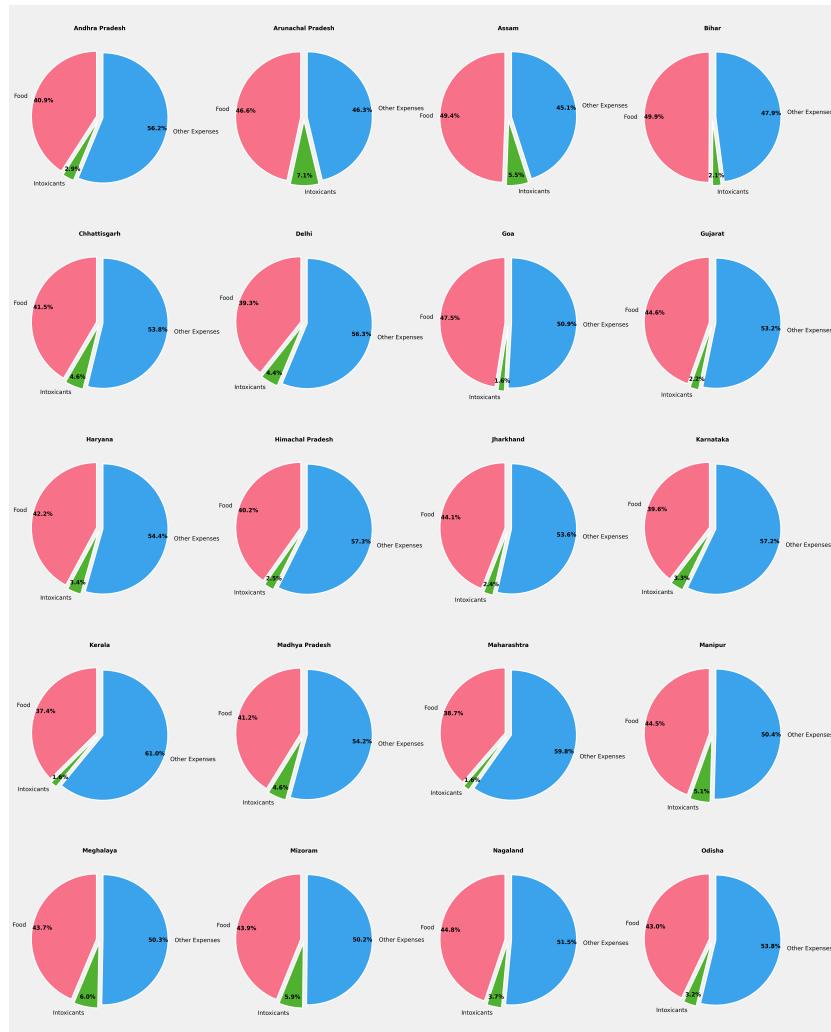


Figure 8: Pie-chart state-wise spend categories

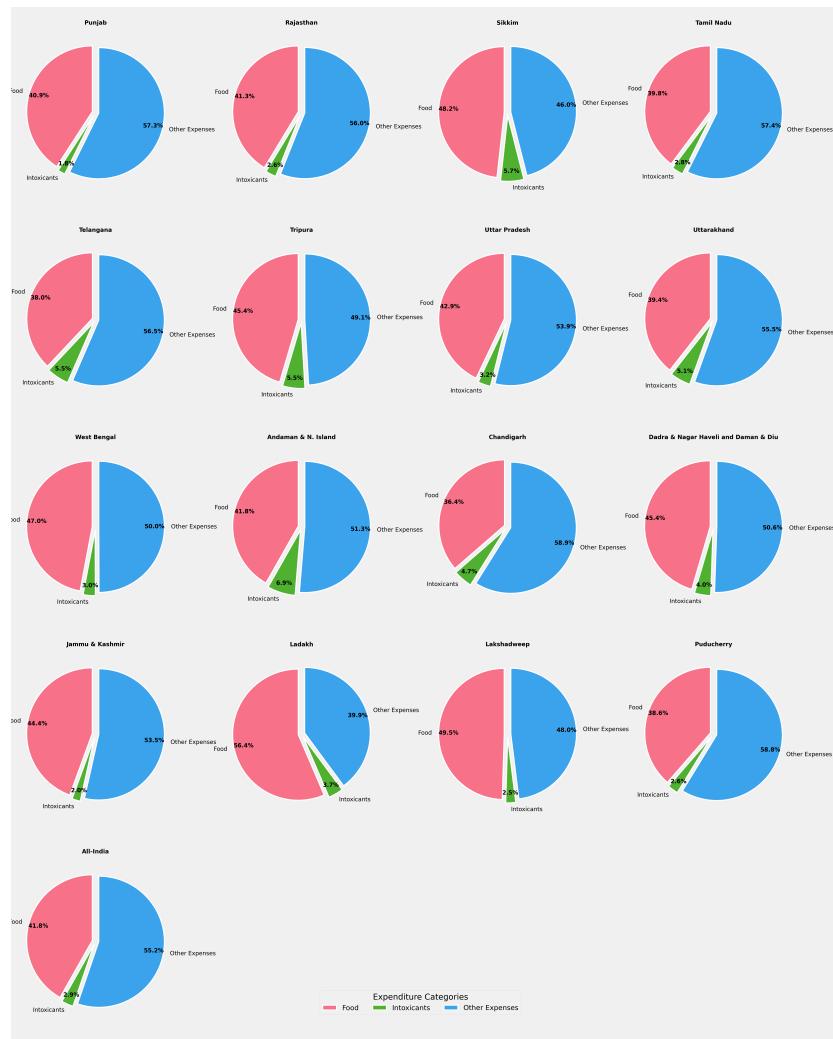


Figure 9: Pie-chart state-wise spend categories



Figure 10: Household distribution in based on MPCE state-wise rural



Figure 11: Household distribution in based on MPCE state-wise rural

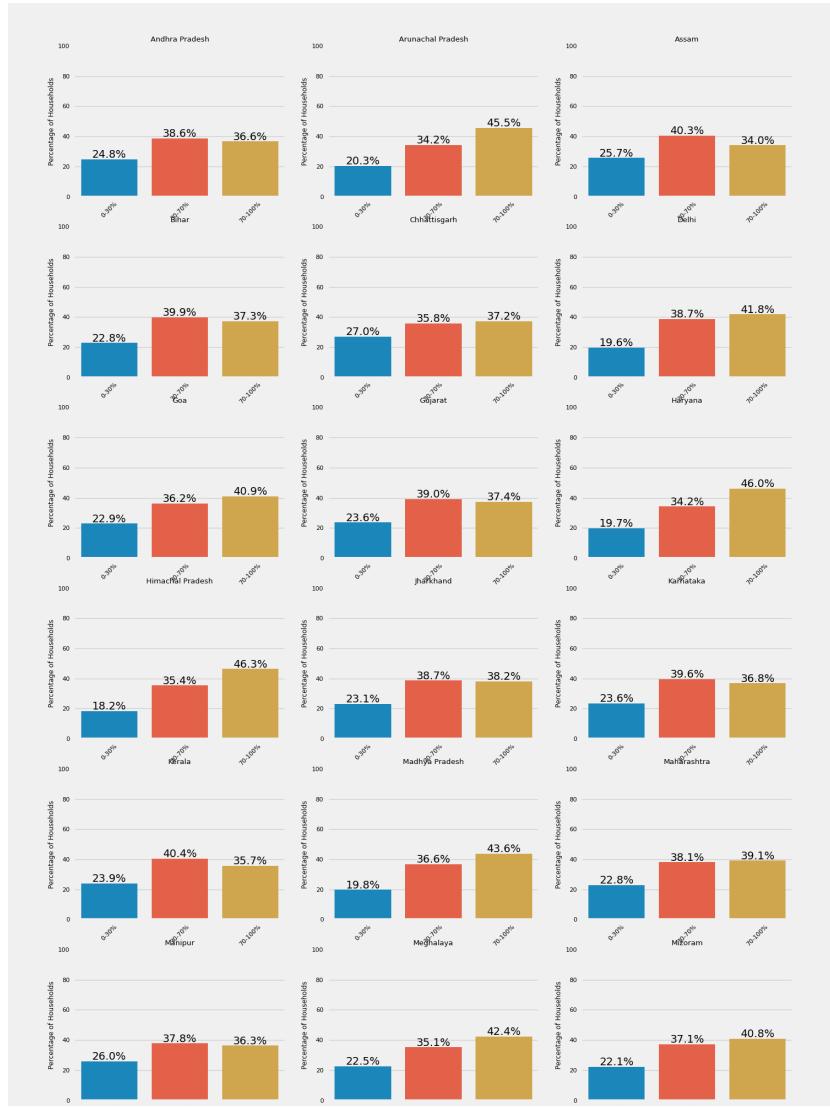


Figure 12: Household distribution in based on MPCE state-wise urban



Figure 13: Household distribution in based on MPCE state-wise urban