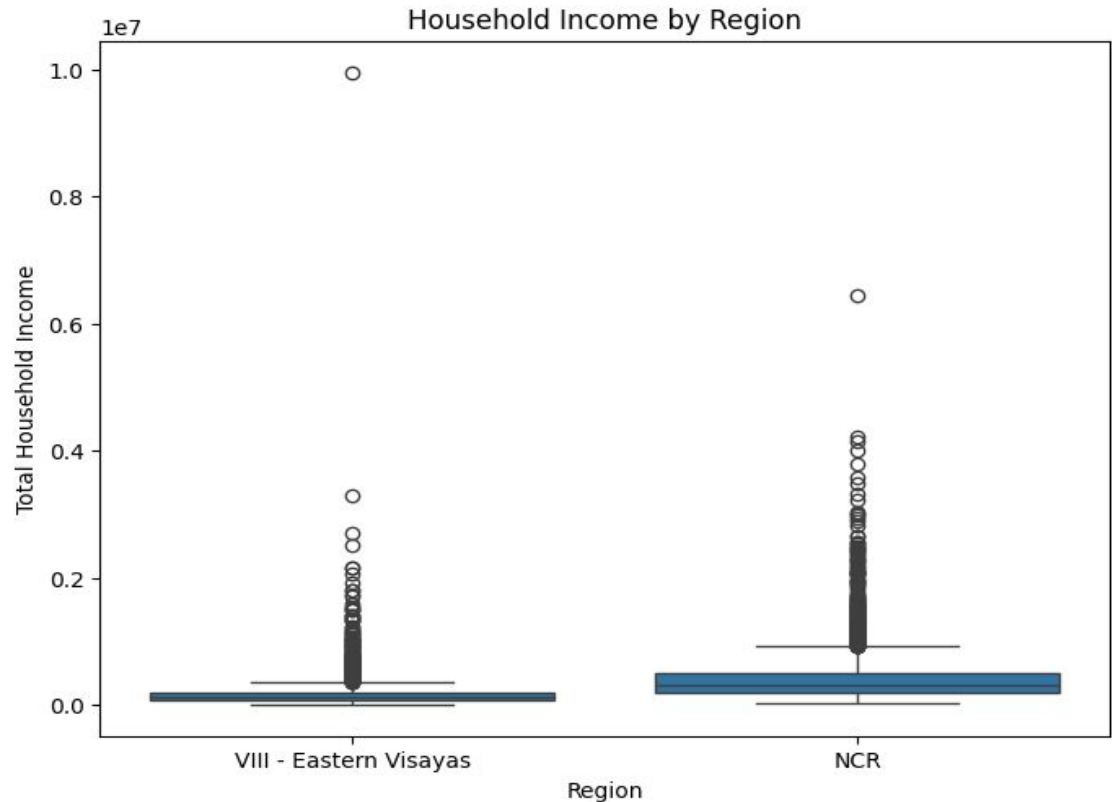

Activity 2: Uncovering Stories From Data

Group 3
Jeff, Rommel, Junea

1. Urban vs Rural Differences

How do household incomes and expenditures differ between urban and rural households? Compare NCR and Region VIII.

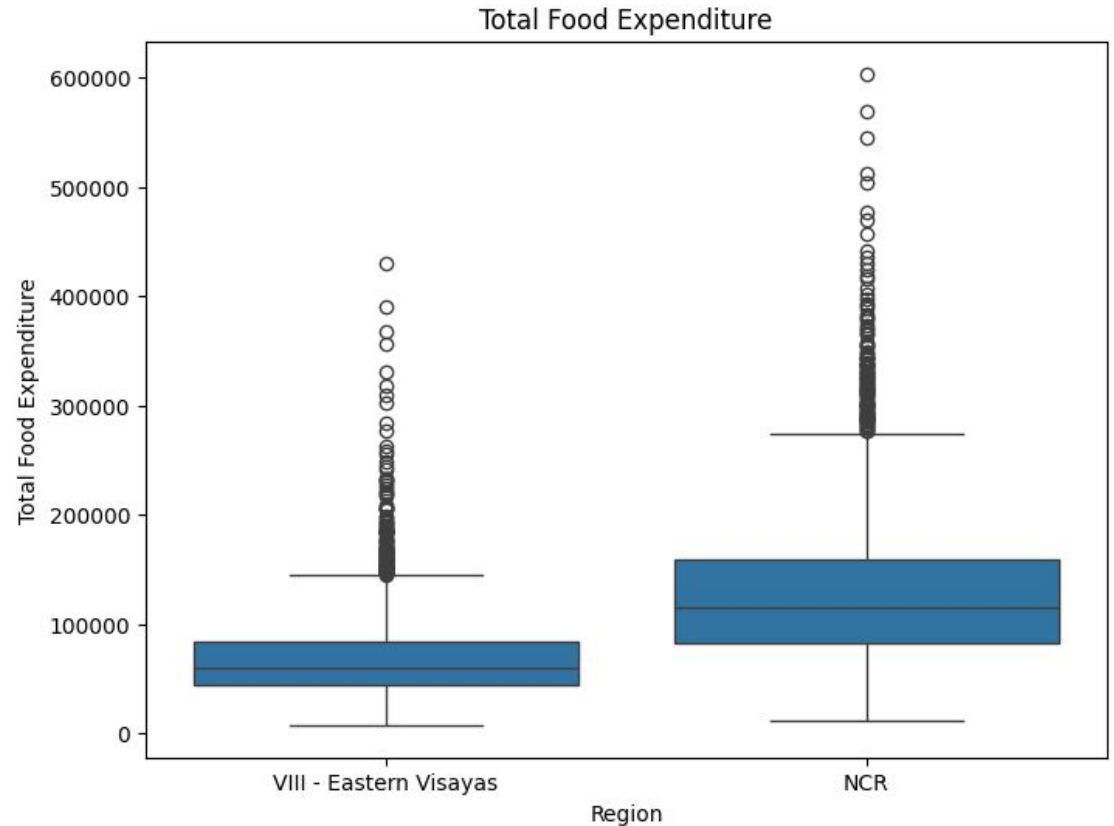
- The 1e7 is Scientific notation of 10 million.
- Most likely outlier of NCR is 7 million.
- Average, NCR region has a higher household income.



1. Urban vs Rural Differences

How do household incomes and expenditures differ between urban and rural households? Compare NCR and Region VIII

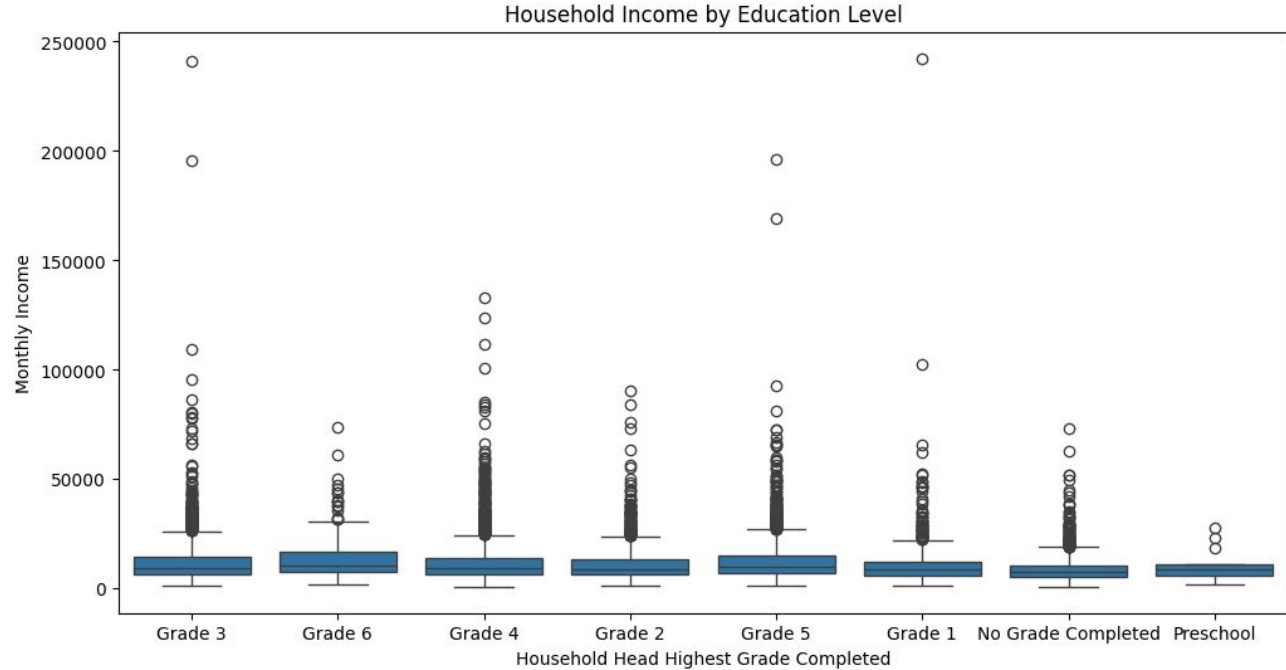
- NCR has a higher food expenditure value of a 600,000 annual.
- Most likely 50,000 monthly food expenditure.



2. Impact of Education on Income

Do household heads with higher education levels earn more?

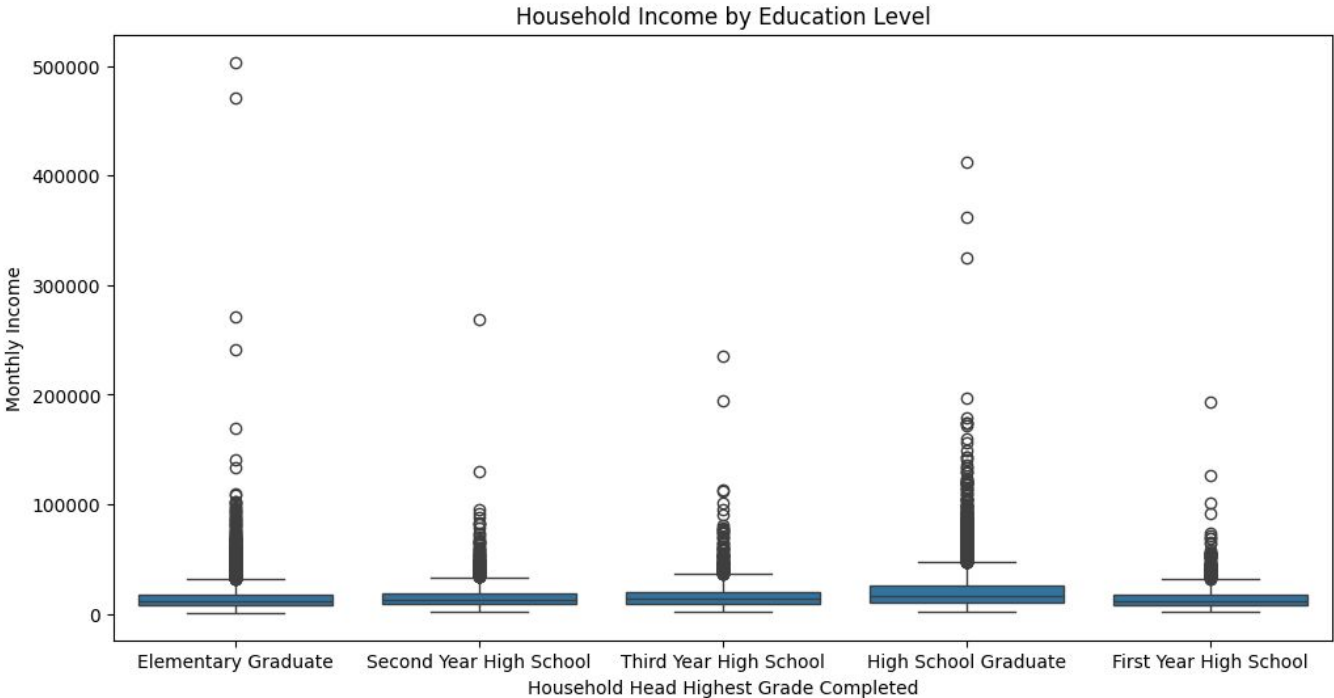
- The biggest outlier came from Grade 1 with 242,365.
- Average household income mostly is Grade 6.



2. Impact of Education on Income

Do household heads with higher education levels earn more?

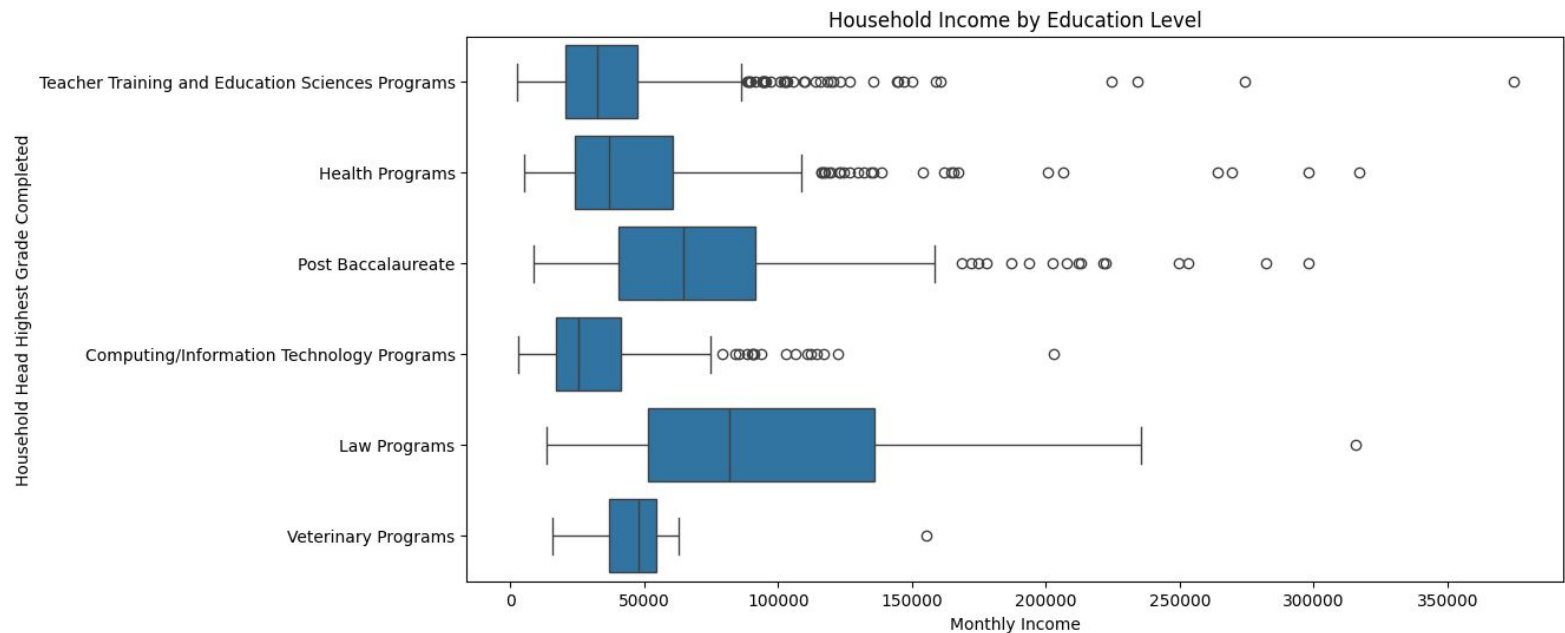
- The biggest outlier here in graph is Elementary Graduate with most likely 500,000 household annual income.
- Average household income from this graph will be the High School Graduate.



2. Impact of Education on Income

Do household heads with higher education levels earn more?

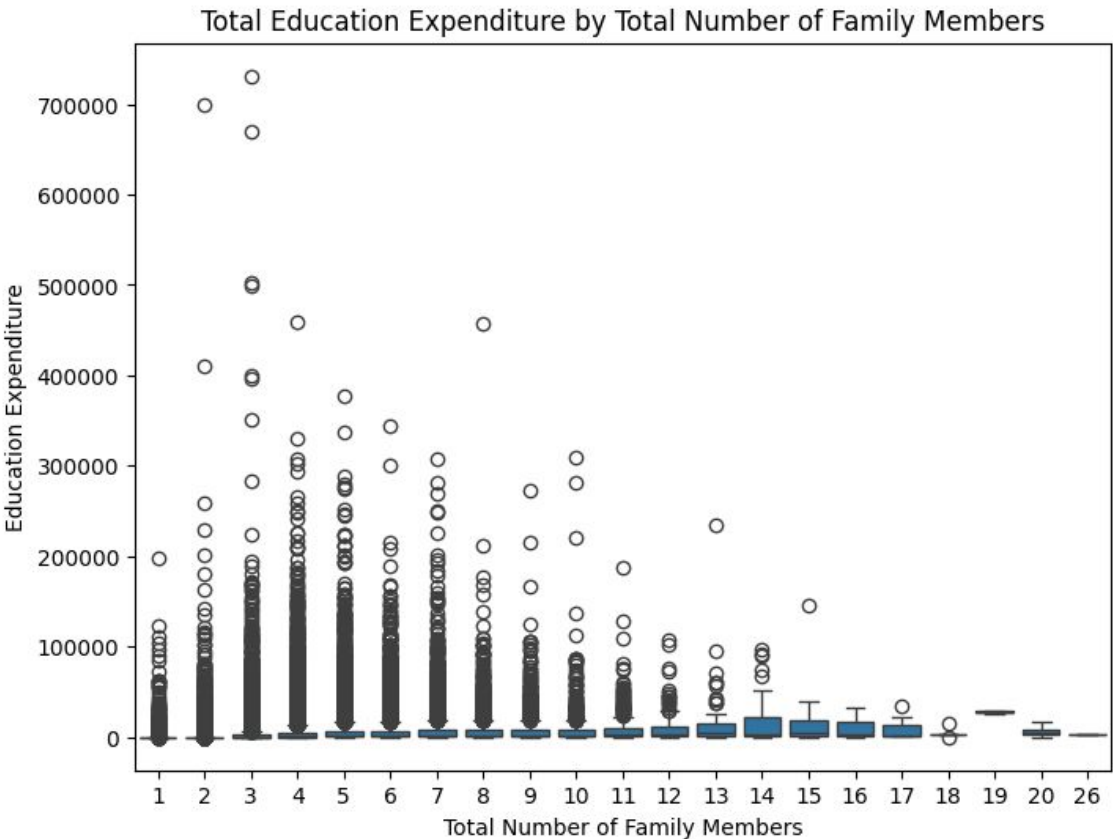
- The biggest outlier here is the profession or degree that they took is Teacher and Educ Programs.
- The highest average is Law Programs.
- The lowest average is IT Programs.



3. Household Size and Spending

Do larger families spend more on food or education?

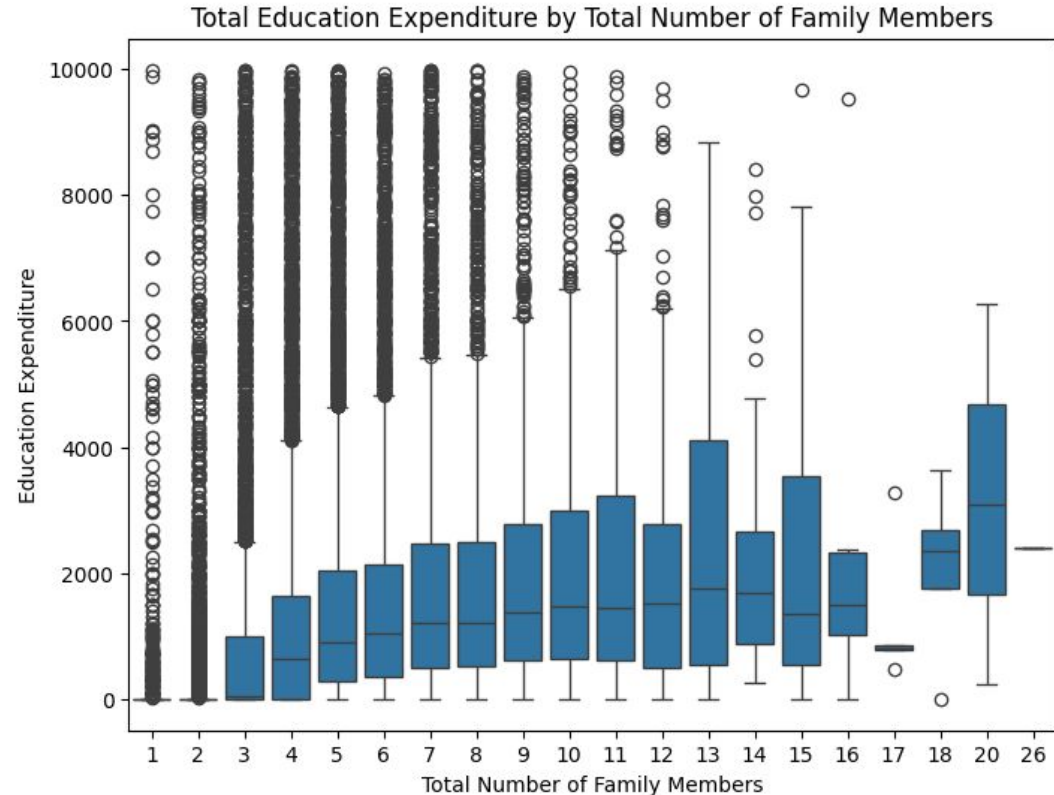
- The biggest outlier here is 3 Family members with the outlier of more than 700,000 annually.



3. Household Size and Spending

Do larger families spend more on food or education?

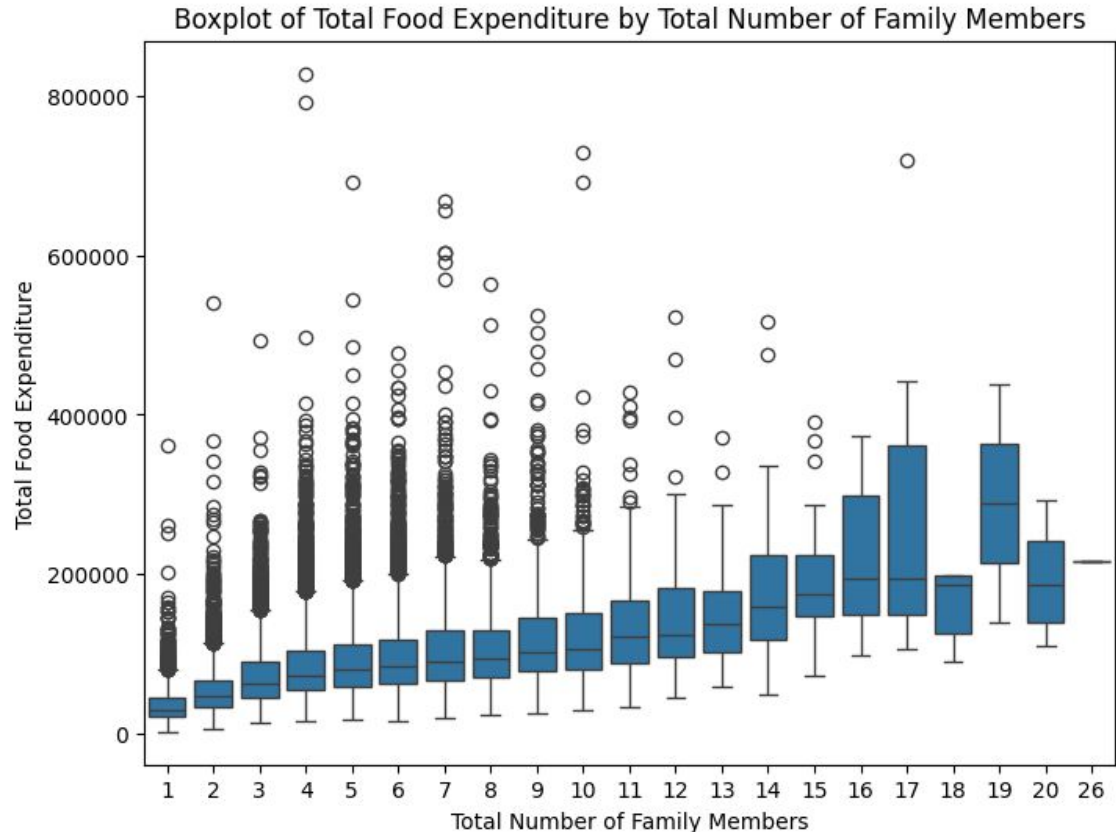
- 1 or 2 Family members no average amount for education expenditure.
- Highest average would be family of 20.



3. Household Size and Spending

Do larger families spend more on food or education?

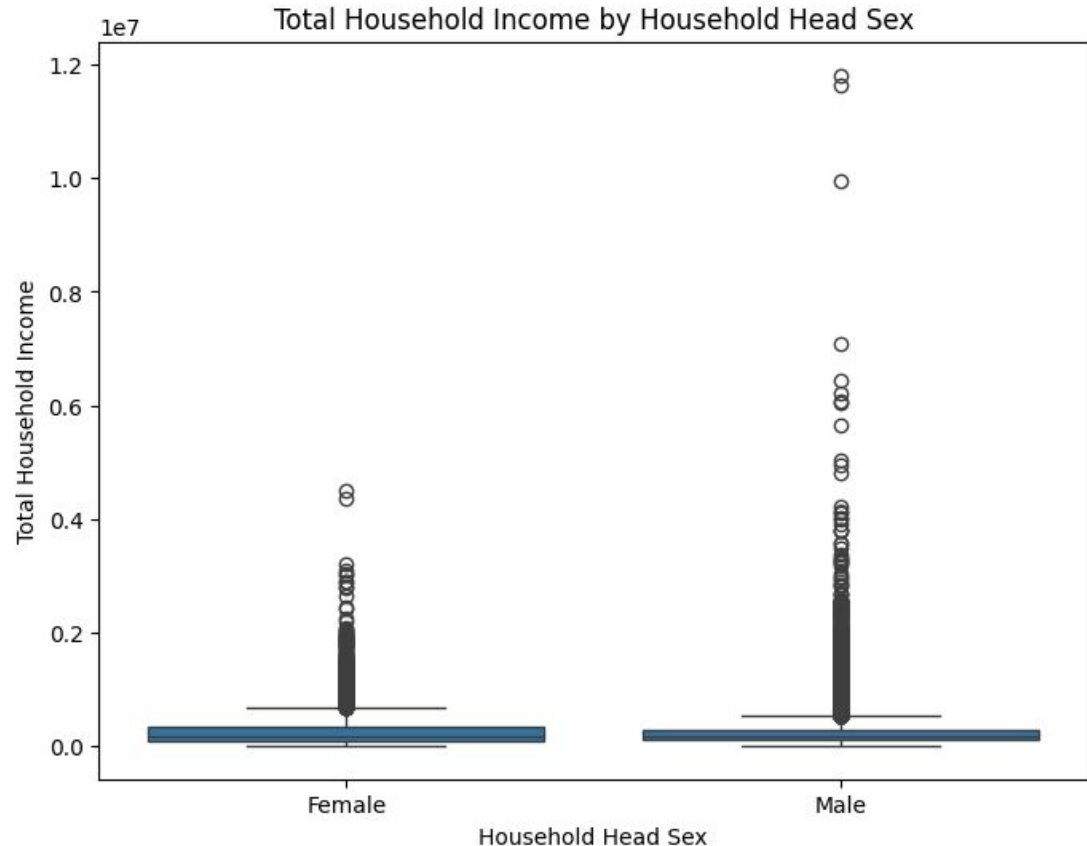
- The biggest outlier here is family of 4 with a highest food expenditure more than 800,000 annually.
- The average family member of 19 is the highest when in terms in food expenditure.



4. Gender Differences in Household Economics

Is there a difference in income or spending patterns based on the sex of the household head?

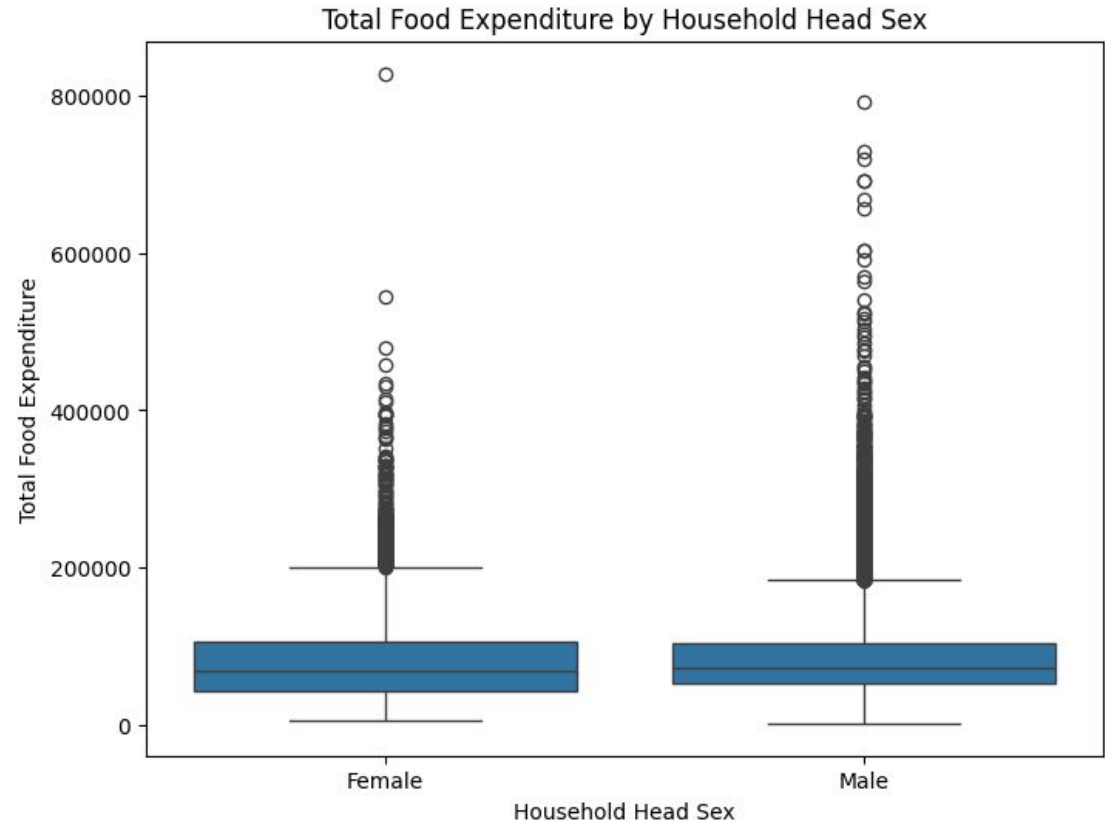
- Spending patterns indicates here that mostly male head household sex have more spending patterns and outliers than the female head household.
- The average median, we can see here it's almost the same as the male and female scores on income receiving.



4. Gender Differences in Household Economics

Is there a difference in income or spending patterns based on the sex of the household head?

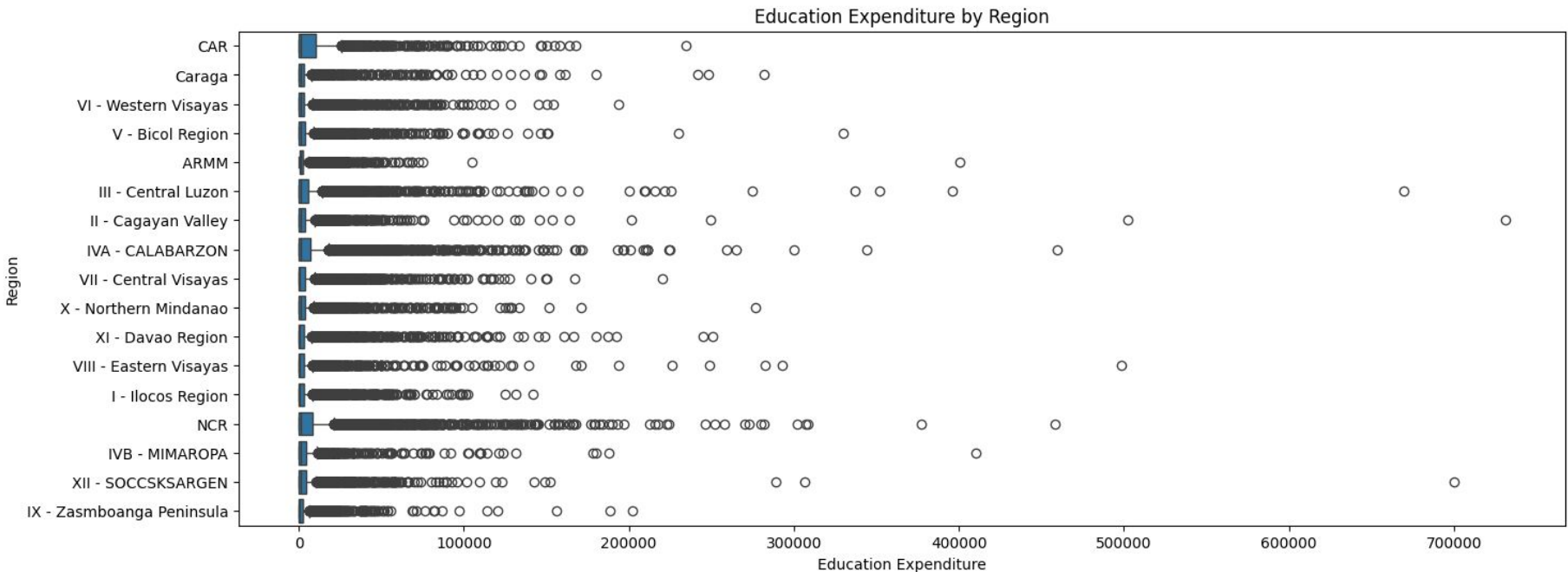
- More outliers in the spending pattern of household males rather than household females.
- Averagely the same for both household sexes.



5. Regional Spending Patterns

Which regions spend most on education, transportation and food?

- There is a one big outlier coming from the Cagayan Valley who spends most on education.



5. Regional Spending Patterns

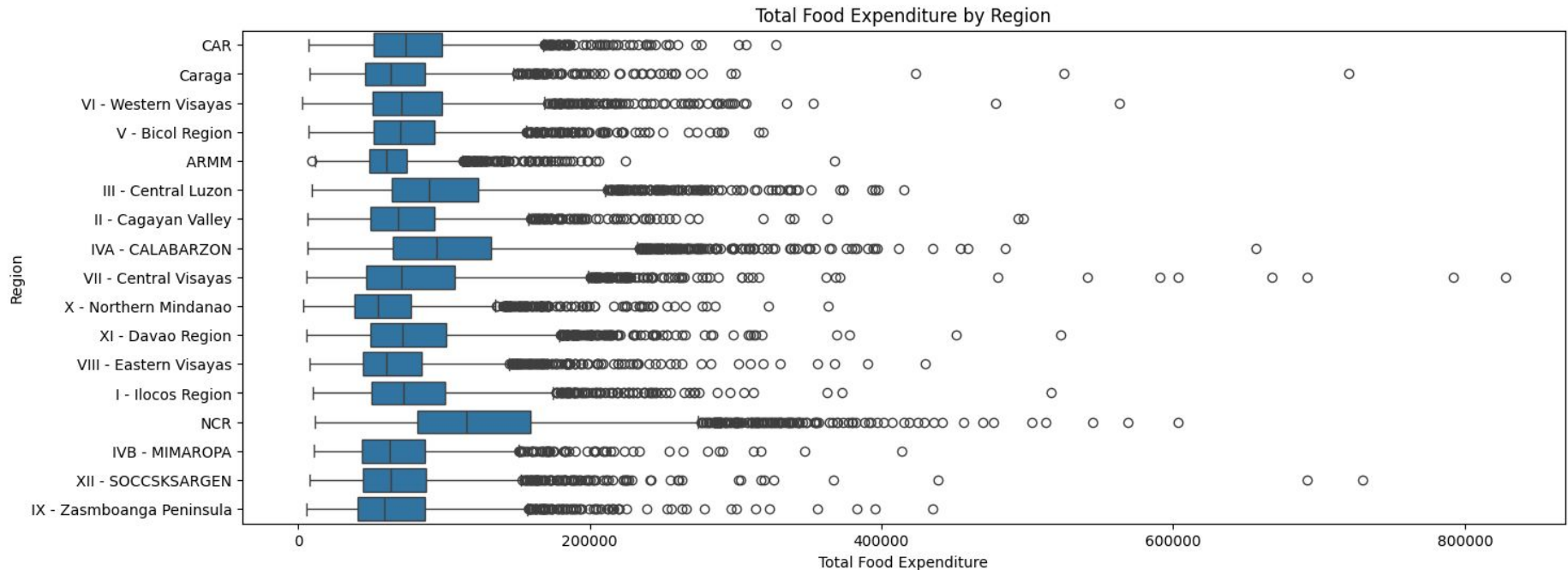
Which regions spend most on education, transportation and food?

- There is one great outlier coming from NCR who spends mostly on transportation.



Which regions spend most on education, transportation and food?

- On food expenditure, the one with the highest outlier came from Central Visayas for food expenditure. Averagely, NCR region spends most on food expenditure based on a metropolis spending lifestyle.

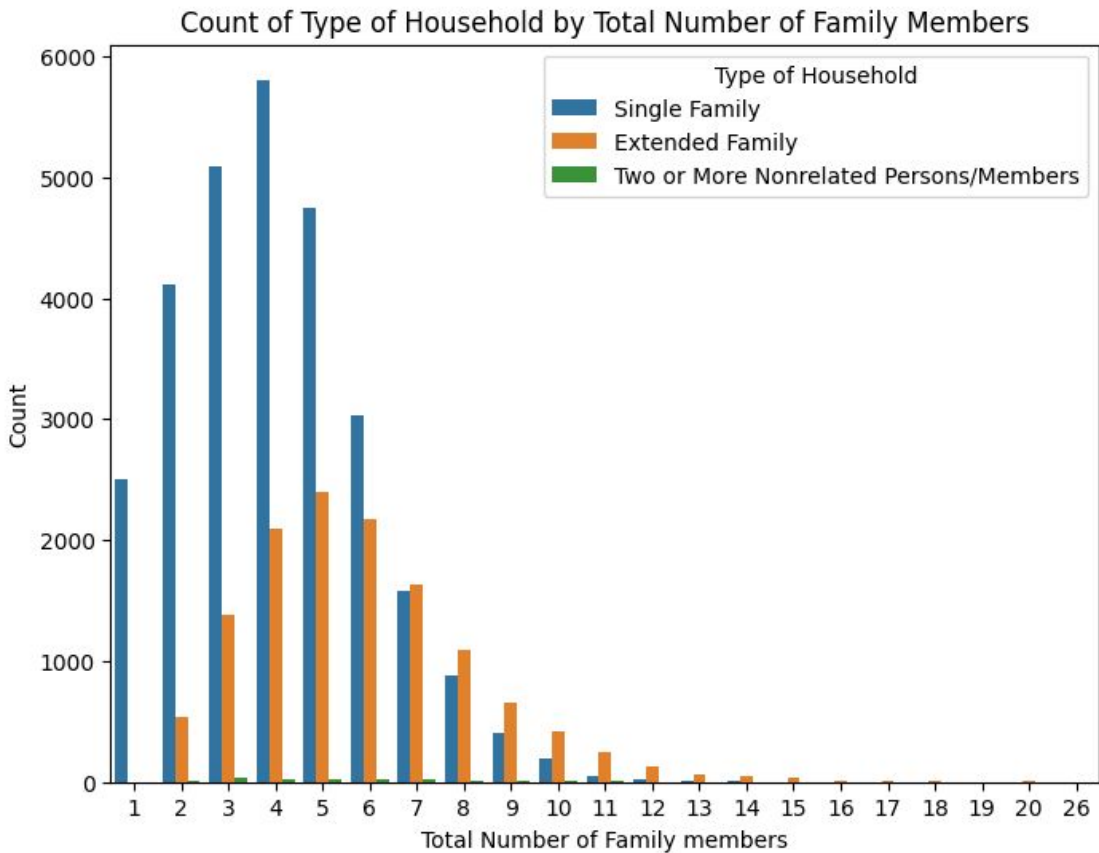


6. Personal Exploration

Find one other insightful information from the dataset that you can present.

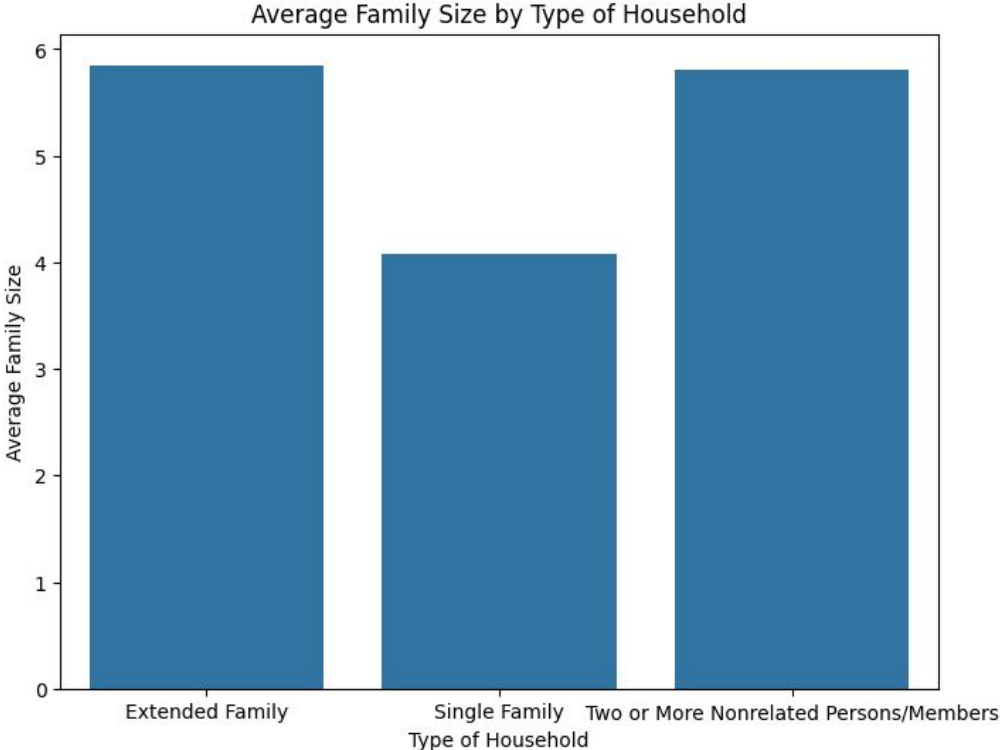
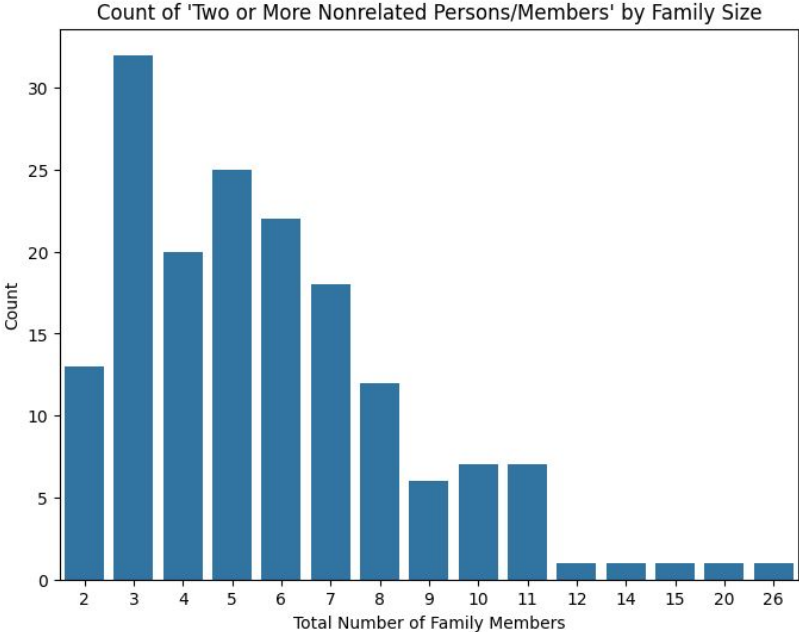
Junea

- The highest type of household is Single Family.
- There are 5,806 of the family's 4 members in Single Family.
- There are 2,394 of the family's 5 members in Extended Family.
- There are 32 of the family's 3 members in Two or More Non-related Persons/Members.



6. Personal Exploration

Find one other insightful information from the dataset that you can present.

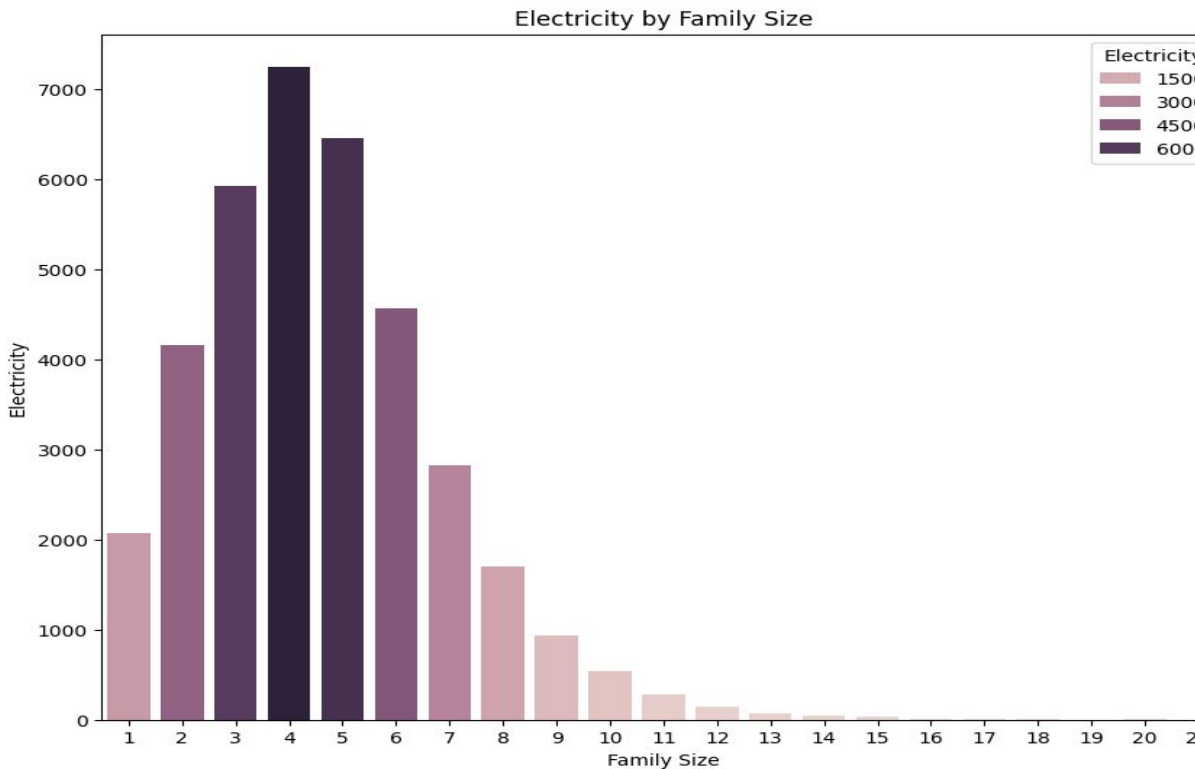


6. Personal Exploration

Find one other insightful information from the dataset that you can present

Jeff

- The highest here will be a family of family of 4 who uses a lot of electricity based on the family size census using electricity per family with the usage of electricity of more than 7000.



6. Personal Exploration (Pie charting NCR Electricity)

- NCR Region Electricity

Families per household

Overall in the region has

94.85% (3,917 family household)

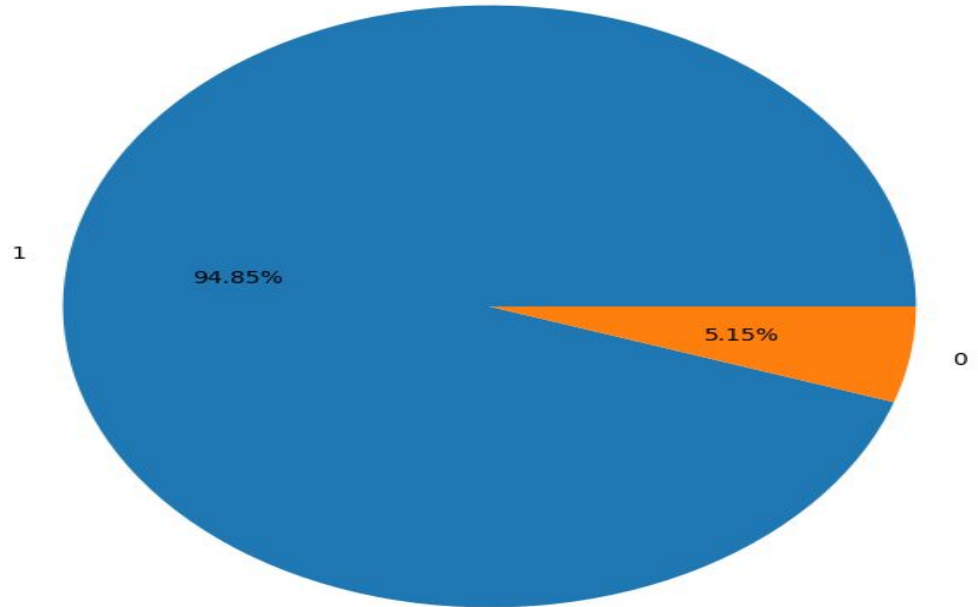
and families without

Electricity has a percentage of

5.15%. (213 family households)

Total family household = 4,130

NCR Region Electricity



6. Personal Exploration (Pie charting Bicol Electricity)

- Bicol Region Electricity

Families per household

Overall in the region has

88.11% (2,178 family households)

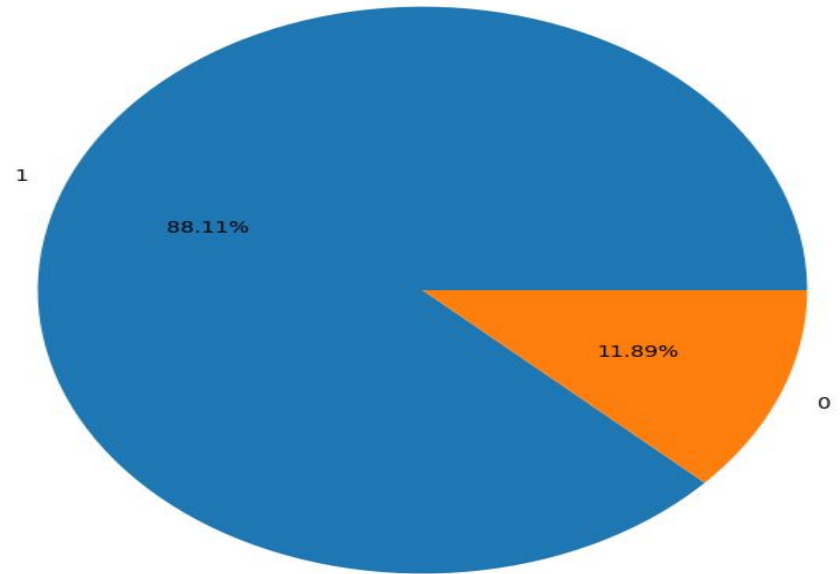
and families without

Electricity has a percentage of

11.89% (294 family households)

2,472

Bicol Region percentage who has electricity and who has not



6. Personal Exploration

- The people with an average age of 60 have the most Other Source of income compare to Wage/Salaries and Entrepreneurial Activities.
- People with an average age of 50 are mostly earning through Wage/Salaries and Entrepreneurial Activities.

