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Top Household Head Occupations

Household Spending by Non-food Category

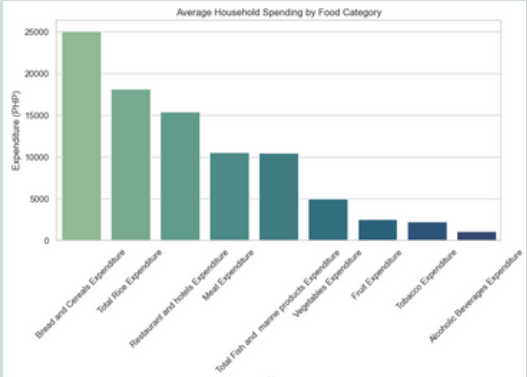
Total Expenditure by Building Type

Average Total Expenditure by Household Type

Households of two or more nonrelated persons spend the most at 40.74%, followed by extended families at 35.59%, while single-family households spend the least at 23.67%, showing how household composition shapes overall spending behavior.

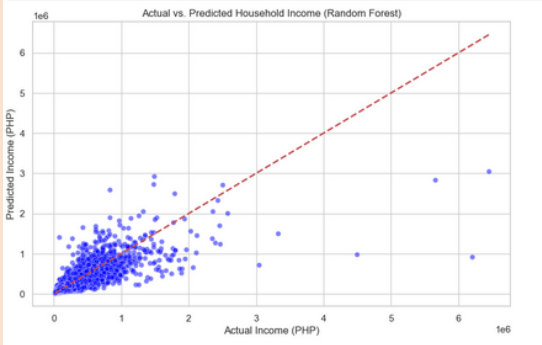
ITELEC303-Data Analytics

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Household Spending by Food Category

Bread and cereals take the largest share of household food spending at 27.69%, surpassing rice at 20.05%, showing how the broader category of cereals captures more costs even though rice remains a central staple in Filipino diets.



Actual vs. Predicted Household income (Random)

1. The model performs best for low-to-middle income households (0–500k), making it highly effective for targeting social welfare programs like 4Ps.

Actual vs. Predicted Household income (Random)

2. Predictions flatline for the wealthy (3M+), indicating that high income is driven by invisible factors (investments/profits) rather than the physical assets tracked by the model.
3. The 37% unexplained variance (0.63) likely stems from informal "sidelines" and OFW remittances, where cash flow exceeds visible assets.



Actual vs Predicted Food Budget (r²)

1. Income and family size explain ~70% of food demand (:0.69), confirming that for most Filipinos, food spending is a fixed mathematical function of survival.

Actual vs Predicted Food Budget (r²)

2. The tight clustering in the bottom-left shows high model accuracy for low-income families. Since their spending is survival-driven and non-negotiable, this model is ideal for calculating minimum subsidies.
3. The scatter "fans out" at higher values, indicating that wealthy spending is volatile. Once basic needs are met, food budgets are driven by lifestyle choices (e.g., dining out) rather than predictable demographics.