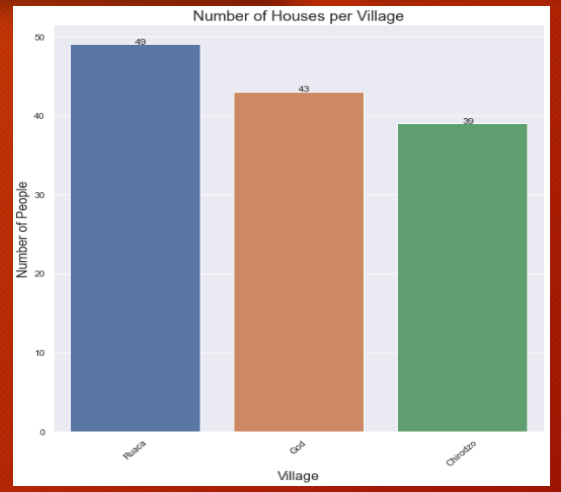
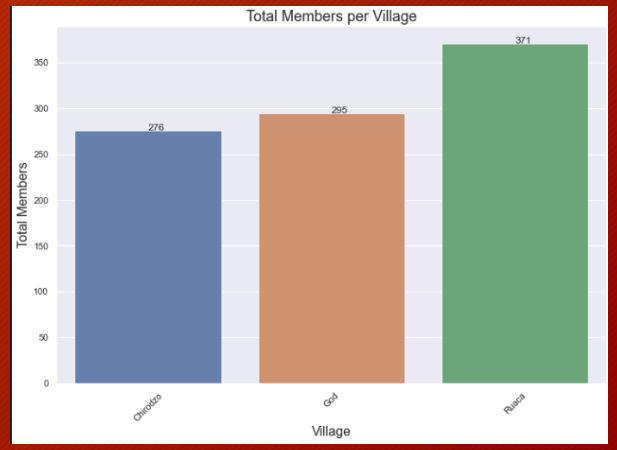
Situation

- This data analyzes the assets by everyone in each specific village. It displays how many people live in a house in the village, how long they've lived there, and overall, what other assets they may or may not have.
- The dataset contains 131 rows and 14 columns, with all different kind of data. Our goal from this dataset would be to analyze the why do people lack food in certain months, and not in certain months.





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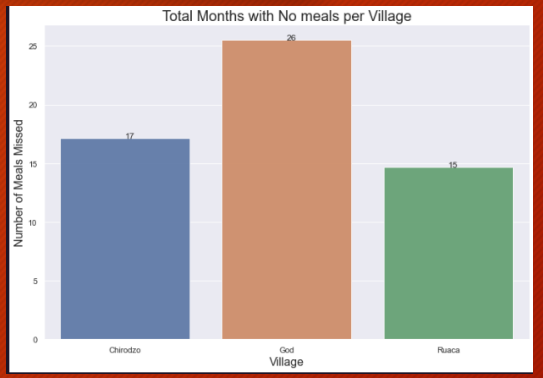
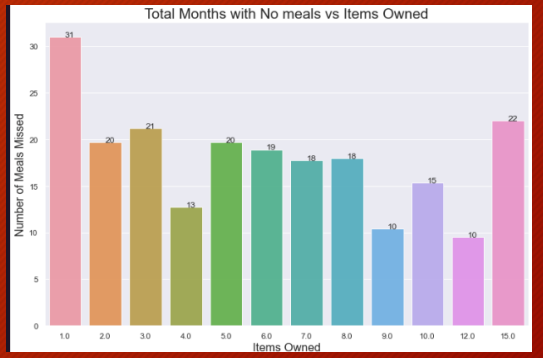
Problem

- We want to find the variables which have the biggest correlation with why some people do not have food in certain months. The goal is to find a pattern and see if that can be construed as a proper correlation which can be used to solve the problem.

Solution

- We tested all the relevant features of the dataset to try to find any correlations that we could find so that we could come to some conclusions. However, most of analysis was futile. We first converted the categorical data to numerical so it would become easier to generate barplots for each of them. For this we had to append the total number of months missed per catgeory for each of the features.
- Firstly, we tested on the number of members in each household to see whether more amount of people would lead to more total number of meal months missed. However suprisingly, we had the same amount of months of meal missed for a 4 member household than a 15 member household. Hence, it was hard to draw a correlation between that.
- Secondly, we did the same thing but this time we checked if the members were part of the member association, and again suprisingly, it was an even split.
- Thirdly, we did the same thing again but now if the members caused a conflict or not. The highest number of missed meals here was someone who caused a conflict once, and there was a significantly amount of low missed number of months of meals for people for frequently cause conflicts.
- Fourthly, we did the same thing but with the amount of items owned, and again the highest value of missed months was someone who only had one item.
- Lastly, we wanted to check by village and God Village was the village with the most number of missed meals months, even though it was the second most populated one. Hence it was hard to draw any conclusion from this dataset.





Next Step

- As we did not find any real correlation between the number of missed meal months and the other features of the dataset, it is hard to say what the next step would be. Howwever, we are still able to take some measures to make sure that the number of missed meal months decreases.
- 1. Make sure that people who cause less conflicts have less number of missed months.
- 2. Distribute the wealth from Ruaca to the God village, as the Ruaca village is more populous.
- 3. Ensure that people who own more, do not get the wealth distibuted equally.
- Since further analysis is required to come to a proper conclusion, I feel like these methods are the best way to move further.