<u>PERSONAL PROJECT</u>

I collected data for the period from June to Dec 2022 and Jan to Sept 2023.

Just to paint a picture of this premise - It is a four bed-room house, living room &dinning, kitchen plus a double sized garage. It shares the power meter with a detached rental unit separated into 3 studio units and a one roomed unit.

What was the probem: We were gambling with the electricity bill and I needed to find out roughly the usage per day interms of units and eventually average monthly bill estimate.

Data collection process

1. Observation: I monitored how many units we were using in a day/ 24hrs.
2. Recorded every payment that was being made for each month. So this would indicate the total amount paid in a month plus number of units.

Business Task: Identify the average monthly utility bill for power for better financial planning.

Thought process

1. What do I need to have? I need total paid per month and total units per month for both years. (So I need to merge and have all this information in one sheet for easier analysis)
2. I need to find out from the above figures, how many units are used on daily and monthly

What do I want to see, or people to immediately see on the excel dashboard

1.The total amount spent on power for that period (the difference in a bar graph)

2.Of that total what was the highest bill paid (Maximum value)

3.Of the total value what was the lowest bill paid during that period.

4. The difference in consumption between the two periods/years (progressive with a bar chat)