Proposal for Project how choice coffee machine

Group 1

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❖ Story

we are a company to help coffee shop owners to select best option for suitable coffee machine for coffee business with best price and features. we have customer need to coffee machine with specific features then we will help our client to arrive of want.

❖ Assumption

- o When we choice the best price of coffee machine with good features we help our client with budget business.
- o when we choice the coffee machine has high power and steam boller capacity (L) we help our client to serves many customers quickly and easily.
- o When we choice the coffee machine with good weight we help our client to provide several machines.

❖ Data description

- o **Machin_Name:** name of coffee machine
- o **Price:** price of coffee machine
- o **Amperage (A):** the amperage of machine
- o **Power (w):** the power of machine
- o **Steam_Boiler_Capacity (L):** the capacity of machine
- o **Portafilter Size (mm):** size portafilter on machine
- o **Weight (kg):** the weight of machine
- o **Voltage (V):** the voltage of machine
- o **Frequency (Hz):** the frequency of machine
- o **Number of Group Heads:** Number of Group Heads on machine

❖ Tools
- o Beautiful Soup and requests and csv and Itertools for web scraping
- o Sklearn.linear and sklearn.preprocessing and PolynomialFeatures and Sklearn.pipeline for represent linear Regration
- o Pandas with python language for clean and explore data.
- o Matplotlib library for data visualization