Predict Mobile Phone Pricing

Objective

Build a system that can predict pricing for a mobile phone using data on available phones in the market. Predict if the mobile can be priced low/med/high/very high. Explore the data to understand the features and figure out an approach.

Dataset

This dataset contains data on various mobiles phones, their features, and pricing.

Description of columns:

- battery_power: Battery Capacity in mAh
- blue: Has Bluetooth or not
- clock_speed: Processor speed
- dual_sim: Has dual sim support or not
- fc: Front camera megapixels
- four_g: Has 4G or not
- int_memory: Internal Memory in GB
- m_deep: Mobile depth in cm.
- mobile_wt: Weight in gm
- n_cores: Processor Core Count
- pc: Primary Camera megapixels
- px_height: Pixel Resolution height
- px_width: Pixel Resolution width
- ram: Ram in MB
- sc_h: Mobile Screen height in cm
- sc_w: Mobile Screen width in cm
- talk_time: Time a single battery charge will last. In hours.
- three_g: Has 3G or not
- touch_screen: Has touch screen or not
- wifi: Has WiFi or not
- Price_range: This is the target
  - 0 = low cost
  - 1 = medium cost
  - 2 = high cost
  - 3 = very high cost