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My dataset is about price range of different mobile.

- Why this project?
Mobile phones has taken all over the world in term of its usability . Almost every citizen are using mobilephone for their day to day need. The main objective of this project is to predict the price range of mobile phone. By which future technology and demand price can be predicted. The price ranges from 0-3. I'll discuss the price range in the dataset.
- which Domain it belongs to?
It belongs to business domain.
- Various Information on Dataset.

This dataset contains, On the basis of the mobile Specification like Battery power, 3G enabled , wifi ,Bluetooth, Ram ,Battery power, clock speed, px_height, px_width, Camera . This dataset contains 2000 rows 21 columns.

The various column included in my dataset are as follow:

battery_power : Total energy a battery can store in one time measured in mAh

blue : Has bluetooth or not

clock_speed : speed at which microprocessor executes instructions

dual_sim : Has dual sim support or not

fc : Front Camera megapixels

four_g : Has 4G or not

int_memory : Internal Memory in Gigabytes

m_dep : Mobile Depth in cm

mobile_wt : Weight of mobile phone

n_cores : Number of cores of processor

pc : Primary Camera megapixels

px_height : Pixel Resolution Height

px_width : Pixel Resolution Width

ram : Random Access Memory in Megabytes

sc_h : Screen Height of mobile in cm

sc_w : Screen Width of mobile in cm

talk_time : longest time that a single battery charge will last when you are

three_g : Has 3G or not

touch_screen : Has touch screen or not

wifi : Has wifi or not

price_range : This is the target variable with values of 0(low cost), 1(medium cost), 2(high cost) and 3(very high cost).

- **MY APPROACH TOWARD THIS**

My approach is ,first of all import all required libraries like pandas, matplotlib, etc. These libraries are used to load, preprocess and visualize the dataset. Cleaning the dataset by replacing values, repeated values or by removing null values. Analysing the dataset on the basis of different relation in between, i plot some graphs like barplot, histogram, scatter plot, distribution plot etc. And after plotting all graphs gives some conclusions ,what are the specifications etc.

THANK YOU