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Project Overview

 Use Mobile Price Classification dataset to build models to predict the price range indicating how high the price is of mobile phone base on mobile specifications



Related Findings

- "Exploring the Factors That Influence Consumer's Purchase Of Mobile Phones"
- Brand loyalty, price, quality, social influence and mobile features are five factors
- Brand loyalty > Quality > Price > Mobile
 Features=Social Influence.

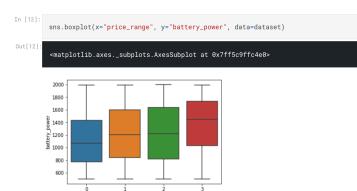
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Similar Project

"Mobile price prediction" by Vikramaditya SIngh Bhati

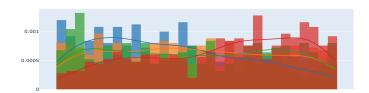
Battery power vs Price Range



- Same dataset, same results
- Different analysis methods and models

Battery Power Density Plot

It looks like an import feauture. Higher battery power tends to have higher price.



Step 1: Read the Dataset in jupter notebook.

```
0 = low cost, 1=medium cost,
```

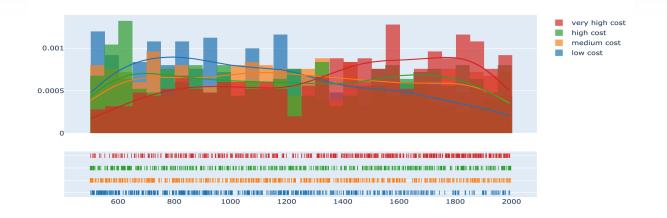
2=high cost, 3=very high cost

All features in the data

: train data.columns

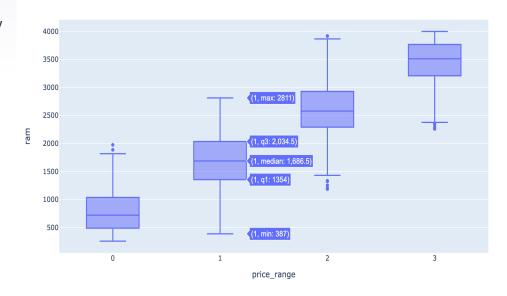


Higher battery power tends to have higher price.

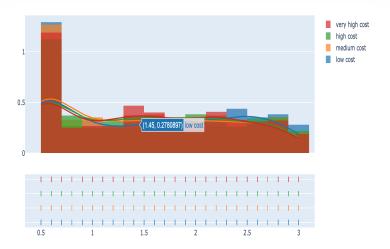




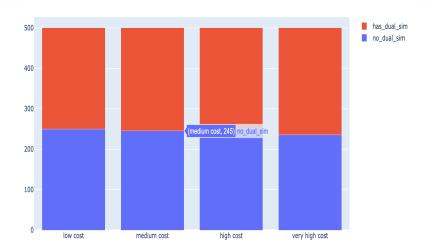
- Higher random access memory in megabytes tend to higher price
- pvalue=o.o



- Most mobile phones have a clock speed between 0.5~0.6.
- p value is 0.68



Has dual sim card or not won't change the price a lot.



THANKS!

Any questions?

You can find me at:

- siyuw1@umbc.edu
- https://github.com/ciciwang1/DAT A606





Credits

- Presentation template by Slide Carnival
- Dataset by Abhishek Sharma
- Research paper by ResearchGate

