

CAR PRICE PREDICTION

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INTRODUCTION

• Business Problem Framing

In this section I need to scrape the data of used cars from websites .I need web scraping for this. I have to fetch data for different locations. The number of columns for data doesn't have limit. Generally, these columns are Brand, model, variant, manufacturing year, driven kilometers, fuel, number of owners, location and at last target variable Price of the car.

• Conceptual Background of the Domain Problem

At first, we have to extract a data from a website and the ratings given by the customers and then form a data where we can check the suitable model.

• Review of Literature

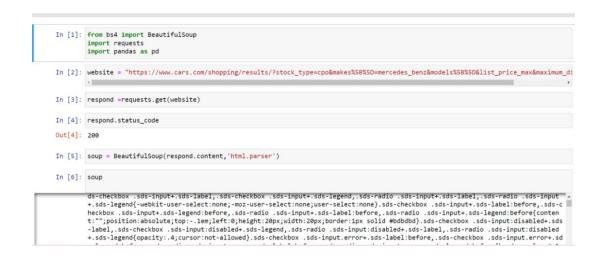
Firstly I have to web scrap the website and then perform model prediction.

Motivation for the Problem Undertaken

Often it comes back to better goal setting, making it more compelling (to both the conscious and unconscious mind), being clearer about why you want to do something. NLP, is about the cause-and-effect equation

Analytical Problem Framing

• Web Scrapping:



Model/s Development and Evaluation

 Identification of possible problem-solving approaches (methods)

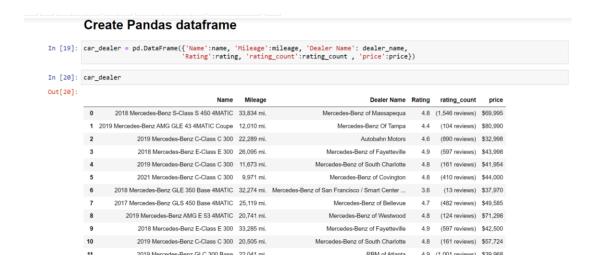
```
Target necessary data
In [10]: # Name
# Mileage
# Rating
# Rating count
# Price
In [11]: results[0].find('h2').get_text()
Out[11]: '2018 Mercedes-Benz S-Class S 450 4MATIC'
In [12]: results[0].find('div',{'class':'mileage'}).get_text()
Out[12]: '33,834 mi.'
In [13]: results[0].find('span',{'class':'sds-rating_count'}).get_text()
Out[13]: '4.8'
In [14]: results[0].find('span',{'class':'sds-rating_link sds-button-link'}).get_text()
Out[14]: '(1,546 reviews)'
In [15]: results[0].find('span',{'class':'primary-price'}).get_text()
```

Testing of Identified Approaches (Algorithms)

```
Put everything together inside a for-loop

In [17]: name = []
    mileage = []
    dealer_name = []
    rating = []
    rating_count = []
    price = []

for result in results:
    #name
    try:
        name.append(result.find('h2').get_text())
        except:
        name.append(result.find('div',{'class':'mileage'}).get_text())
    #mileage
    try:
        mileage.append(result.find('div',{'class':'mileage'}).get_text())
        except:
        mileage.append('n/a')
```



• Run and Evaluate selected models

CONCLUSION

Key Findings and Conclusions of the Study

Creating a Dataset and finding the best possible model.