SPACEX ROCKET SUCCESS

Lawrence A.

Outcomes

- The Falcon9 is more successful than the falcon1
- The Seattle launch site has less success as compared with the Houston launch site
- Falcon9 achieve a 83.33% reusable landing of the boaster

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- Data collection and Processing
- Data cleaning and visualization
- Building Interactive Dashboard
- Predictive analysis

Introduction

- The aim of this project is to analyze the probability of a falcon9 rocket landing successfully using publicly available data

Methodology

- The data for the project was collected from a Wikipedia page of all spacex launches using web scraping. The data was cleaned to remove all falcon1 launces and was converted into a pandas data frame.
- The data was then divided into train and test data for a machine learning model to use it to predict the outcome of a spacex launch.

Results

- The results showed that launches from the Houston space centre had a high success rate of relanding a booster (83,33%)

Discussion

- . The high success rate of the Houston launce center might be linked to its proximity to the equator as compared with the Seattle launch center

Conclusion

- It is advisable for SpaceX to launch more falcon9 from the Houston Space Center