#Applied data Science 1

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Github repository:https://github.com/jr24abh/applied_data_science_1

Cost of developing satellite launch among space companies.

Introduction.

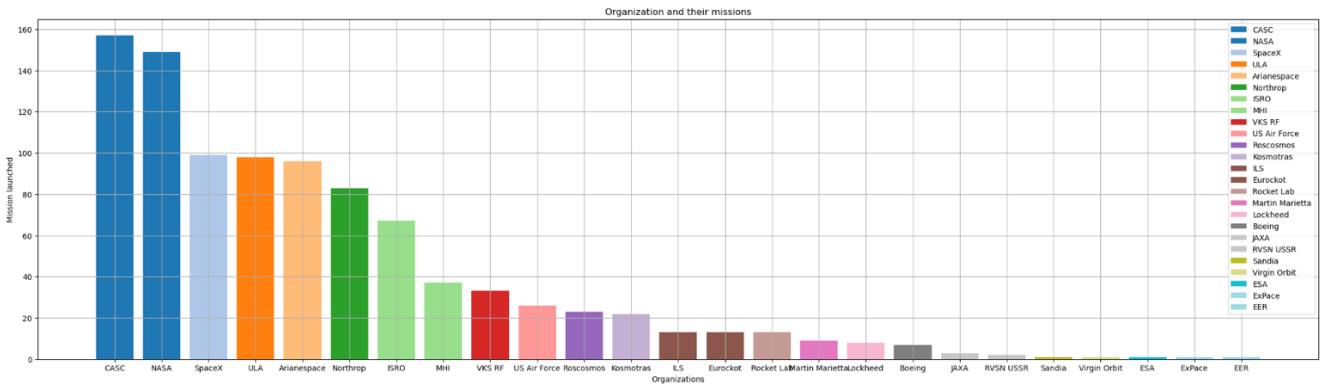
Satellite launch refers to the process of satellite images moving around planet earth with the aim of achieving an intended purpose with the help of satellite vehicles popularly known as rockets. Mostly the intended purpose is to gather information for broadcasting purposes, access of internet, location timing through GPS, military surveillance and scientific research where camera traps are involved. Several companies are involved with the satellite launch. The most popular companies are Space X, NASA, CASC, ULA, JAX, Rocket Lab, IAI, Expace, Rosmosmos, VKS RF, Arianesoace, Northrop, ISA, MHI, Blue Origin, ISRO among others.

The costs include; research and development which includes among other cost of feasibility study, consumables and utilities, baseline surveys to ensure quality is guaranteed. Insurance and licensing, Collaboration and leases costs, Launch vehicles which take the bulk of the costs, Data analysis

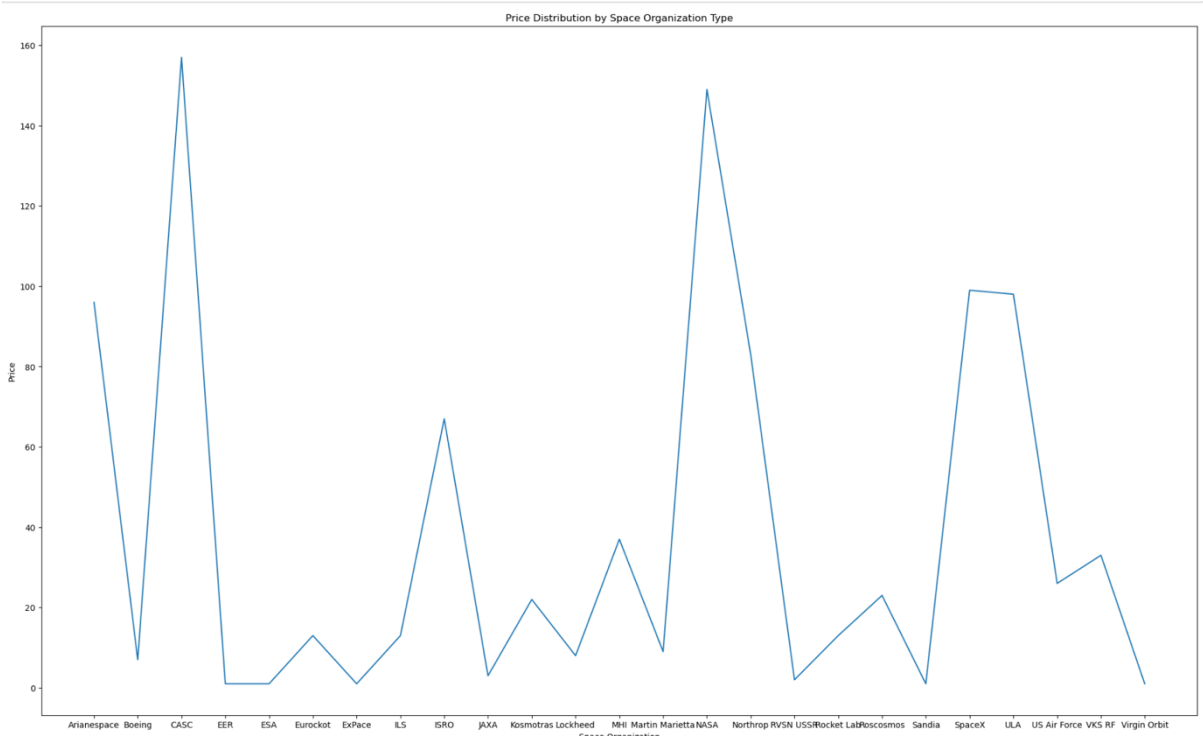
The analysis investigates the price of satellite launch and the number of successful launches by twenty five companies.

Plot 1: Bar graph showing twenty five organization that had successful launches for space. The organizations launched are listed on the x-axis whilst. The number of launches are represented on the y-axis. Each an every organization is represented by a different colour for ease of reference.

The organizations with the highest number of launches appear on the left with CASC, NASA, Space X, ULA and Arianespace leading the park respectively. The launches decrease as you move from left to right with some organizations recording very minimal launches.



Plot 2: Line graph shows the price distribution by space organizations. The price shows the variation in prices across different space organizations listed on the axis with each point representing the price associated with each organization represented on the y-axis.



Plot 3: The bar graphs compares the price distribution by space organizations. The x-axis represents various space organizations while y-axis shows the price associated with each space organization.