



Space Mission Analysis

Course: *Data Visualization* **Instructor:** *G. Atanesyan*



Natela Azoyan, Lusine Adunts,
Liana Darbinyan, Hakob Nahapetyan

Space Missions Report



Hakob
Nahapetyan



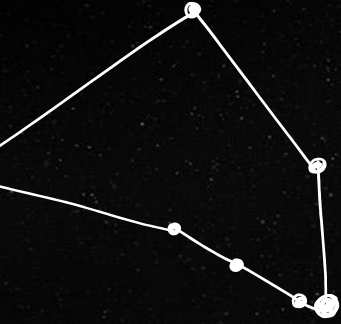
Lusine
Adunts



Natela
Azoyan



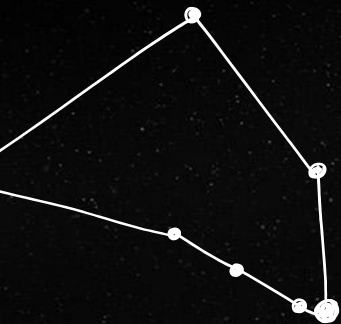
Liana
Darbinyan



Introduction

- Space exploration is the process of using technology and astronomy to explore the universe. It helps to accelerate scientific discoveries.
- Although telescopes are widely used to investigate the space, the derived information is not enough.
- To come to wider description of the outer space, humans have always been interested in visiting the space physically, appearing on other planets and investigating the space in a smaller distance.





Methods

Data

- Space missions
- Corrected space missions
- Astronauts
- Tesla stock price

Code

- Preprocessing in Python
- Visualizations in R

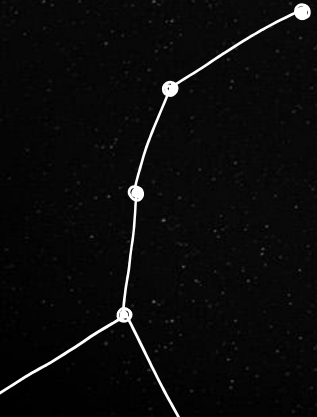
Dashboard

- RShiny





When was the First Space Mission done?



In 1957, October 4 when first artificial
Earth satellite Sputnik 1 launched into
Earth orbit.

01

Leader countries in
Space Exploration
are USSR/Russia, US



02

US and China are competing



03

Most popular Mission
locations are either Russia
or the US



04

The company that leads in
the number of Missions is
Nasa or SpaceX



05

The Day of the Mission
Affects its Outcome



06

When There is a SpaceX
Launch and It is Successful
the Price of the Tesla
Stock Goes Up



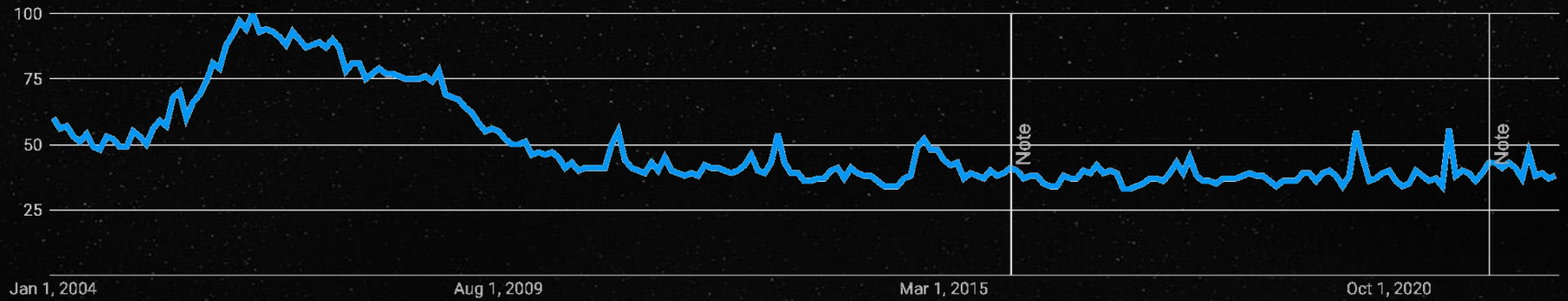
07

Women engage in Space
Missions significantly less
than Men



Interest over time

Popularity of the term 'Space'





THANKS!