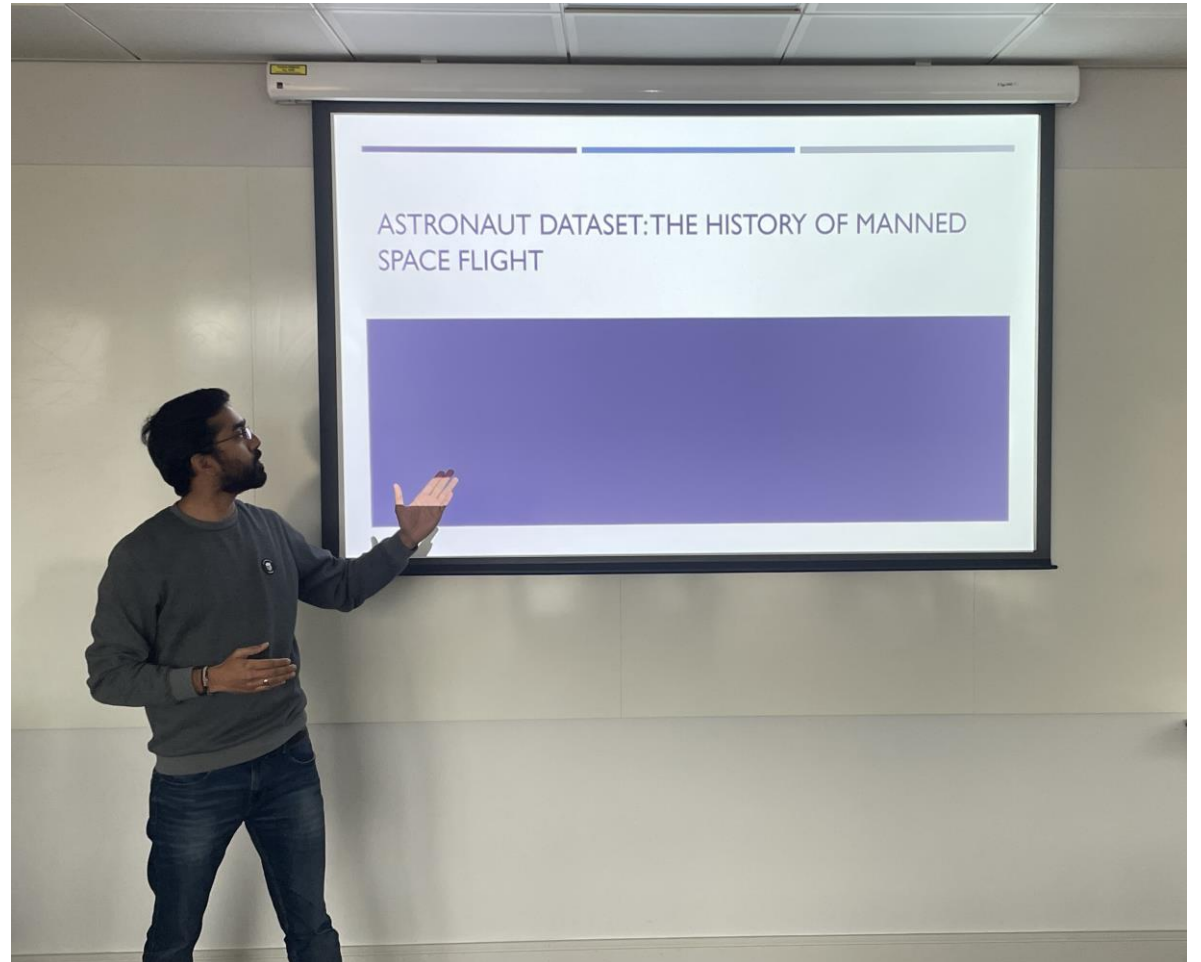


Hello Gaurav,

I hope you had a nice weekend. I just want to say that your submission for the astronaut dataset was excellent and you are selected as one of the best visualisations amongst those who have submitted. Congratulation.

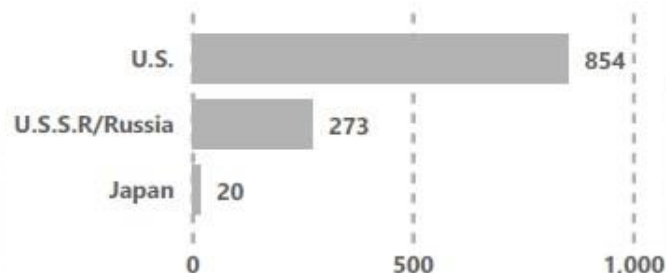
I will announce this on MS Team this afternoon, but I was wondering if you would be happy to share/talk about your visualisation during the practical session on Tuesday?

Best Wishes,  
Alan

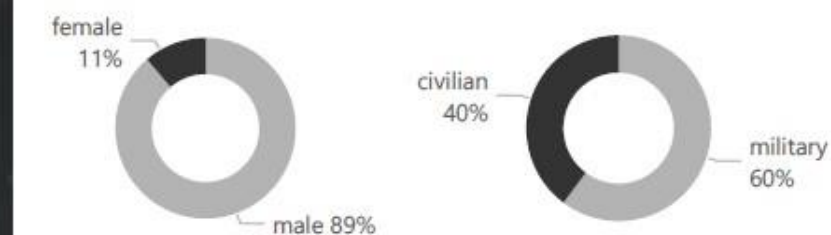


# Human Space Odyssey (Year: 1961 to 2019)

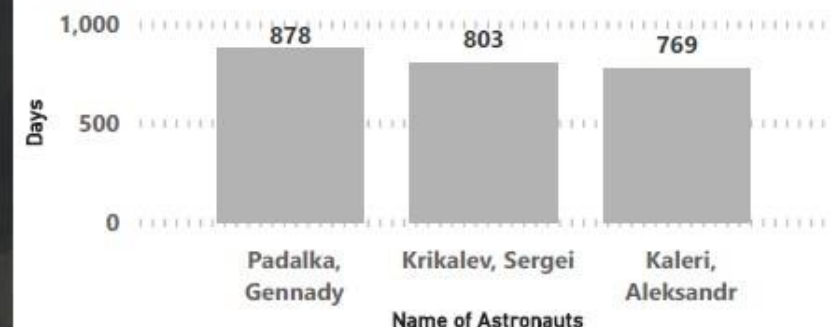
## Top 3 astronauts sending countries



## Top 2 astronauts with highest number of missions



## Top 3 astronauts having spent highest number of days in space



## Number of astronauts sent in space - Yearwise



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# ASTRONAUT DATASET: THE HISTORY OF MANNED SPACE FLIGHT



# PROBLEM STATEMENT

1. To create a visualisation which would show following things:
  1. Absolute number of astronaut in space each year from 1961 to 2019
  2. Clear depiction of following 3 events of interest:
    1. 1961 – First manned space flight
    2. 1969 – Apollo 11 mission to moon
    3. 2005 – First Chinese manned mission
2. The visualisation should be one page Power BI report.
3. The visualisation will be printed on “A2” poster for exhibition.

## **DATASET:**

- Dataset containing history of space flight for last 60 years was provided.
- It has 1278 observations and 14 features.

# CHALLENGES

- To keep in mind the end use which is displaying on A2 poster for exhibition.
- To make visualisation interesting:
  - Visually appealing
  - Not overload with information
- How to show 3 events of interest on visualisation.

## SOLUTIONS DEPLOYED (1/2)

- Creating a new column using DAX (Data Analysis Expressions) which would contain only 3 events of interest.
- Making visualisation interesting:
  - Added more visualisation to show interesting data such as:-
    - Ratio by country
    - Sex ratio
    - Military to civilian ratio
    - Top 2 astronaut having highest number of missions
    - Top 3 astronaut having spent longest space time

## SOLUTIONS DEPLOYED (2/2)

- Making visualisation appealing:
  - Good quality and high-resolution background – which would go with aim of display in exhibition
  - Colour palette: Used 3 colours only white, grey and black to give it a monochromatic look which is synonymous with colours which are mostly visible in space
  - Giving a bold heading
  - Not overloading with information

## FURTHER WORK

- Infographic Designer tool could be used for better aesthetics
- Better storytelling
- Colour Scheme