

# Project Proposal

Group 14

## ANALYSIS OF SATELLITE LAUNCHES



How Many  
Satellites Are  
In Space?



Group EG14

By

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## INTRODUCTION

Space – The final Frontier.

Right after the launch of Sputniks, the world has realized the importance of space exploration and how it could contribute to human development.

Since then the world nations have launched satellites for various purposes ranging from communication to military and to remote sensing.

So we are looking forward to analyze this emerging field with utter detail to see the real purpose of space utilization among space faring nations.

## WHAT AND HOW ARE WE GOING TO ANALYZE?

Using the latest data analysis tools available to us like SAS, MS EXCEL and My SQL we would like to do the following analysis from a data set that contains the detail of all the satellites launched between the years 1967 and 2005.

### Our Dataset contains:

- >Name of satellite & Country of owner.
- >Details of Launch vehicle & Launch site.
- >Purpose, Date of launch and lifetime of satellite
- >Power consumed & orbit.
- >Perigee & Apogee details
- >Details of Contractor.
- >Details of launch mass & Dry mass and a few more other details.....



- To compute a list of space faring nations.
- Prepare a list of nations with its own satellite launch capability.
- The types of satellites launched.
- Comparison between life of a satellite and the purpose of satellite.
- Find the year with the most satellite launches.
- Relation between the orbit height and the type of satellite.
- Relation between power consumption by the satellite VS Orbit height and satellite purpose.
- Find the most and the least preferred satellite launch vehicle.
- To find the most and the least successful satellite contractor.
- To find the most and the least preferred launch sites.

And many more.....

## Conclusion

After this analysis we hope to see the change in trend in the satellite launches over the period of three and half decades.

And also project the rate at which new nations are entering into the space race.