



Space Exploration

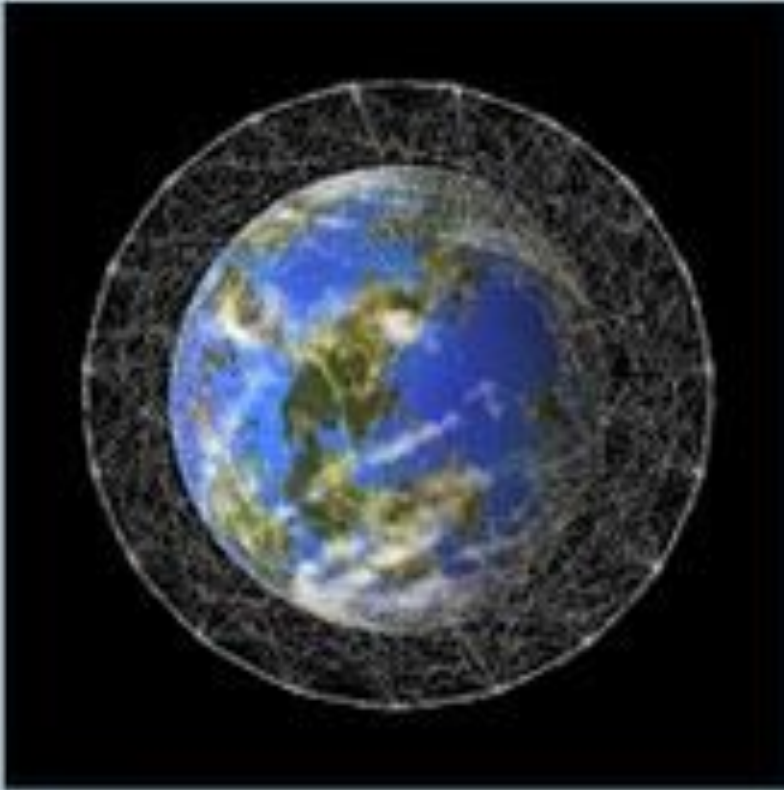
Akshen Doke
x18191592

Omkar Doke
x18179525

Smit Chheda
x18186319

Sahil Bhujbal
x18183395

Motivation



TYPE I CIVILIZATION harnesses all the resources of a planet. Carl Sagan estimated that Earth rates about 0.7 on the scale.



TYPE II CIVILIZATION harnesses all the radiation of a star. Humans might reach Type II in a few thousand years.

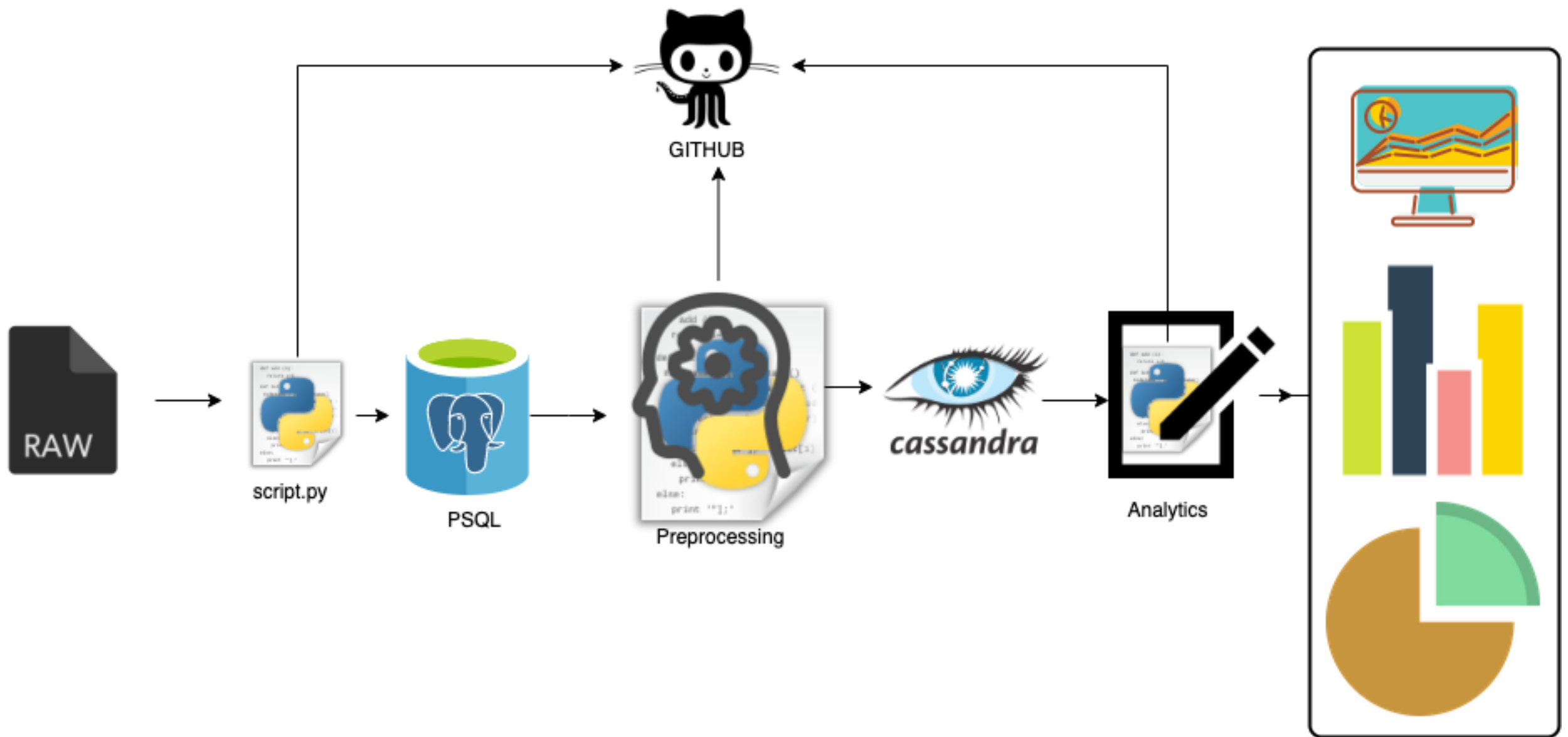


TYPE III CIVILIZATION harnesses all the resources of a galaxy. Humans might reach Type III in a few hundred thousand to a million years.

Questions

1. Which Launch Vehicle is majorly used while launching a Satellite
2. Analysis of Mars Climate for presence of water content on it's Surface and Atmosphere
3. Analysing Asteroids for Identifying PHA and Mining.
4. Analysing Exoplanet Data for studying and identifying habitable environment.

FLOWCHART



Some Results

1. Use of Launch Vehicle varies depending on purpose.
2. CO₂ Sublimation in Northern Hemisphere is thrice compared to South.
3. 2011 KE15 was identified as most potentially hazardous asteroid and Ceres as biggest among all. Carbon, Iron and Nickel are the majorly found elements on Asteroids
4. Transit method is the most successful one for finding Exoplanets in Outerspace

Some Visual Results

Launch Vehicle



Custom Lollipop plot

