**Exoplanet Discovery Project Proposal**

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The aim of our project is to help visualize exoplanet discoveries. We would like to explore if there is a correlation between satellite launches and exoplanet discoveries. Beyond this, it would be interesting to examine what other factors might contribute to the continued discovery of exoplanets. Additionally, we would like to identify which stations are the most active. Lastly, it would be interesting to compare which discovery methods have proven to be the most productive in terms of discoveries. We will be using data from the Exoplanet Archive, specifically the Planetary Systems CSV. (<https://exoplanetarchive.ipac.caltech.edu/cgi-bin/TblView/nph-tblView?app=ExoTbls&config=PS>)

Visualizations:

1. Plotly.express: 3D Visualization
2. Scatterplot
3. 2D heat map (?)
4. Space kit library (JavaScript Library not shown in class)

Additional Project Notes:

* For user-driven interaction we plan to layer a visualization based on date, discovery method, or station.
* We could do a visualization where planets have a marker size based on the station it was discovered.