Data Sources

1. Asteroid classifications for water: <https://en.wikipedia.org/wiki/Asteroidal_water>
2. Asteroid mining general info: <https://en.wikipedia.org/wiki/Asteroid_mining>
3. Asteroid orbit path: <https://ssd.jpl.nasa.gov/tools/sbdb_lookup.html#/?sstr=3366282&view=VOP>
4. Info showing that aeton asteroids have up to 20% water: <https://en.wikipedia.org/wiki/Aten_asteroid>
5. Water molecules detected on the surface of asteroids for the first time:

<https://www.cnn.com/2024/02/16/world/asteroid-water-molecule-detection-scn/index.html#:~:text=The%20Faint%20Object%20infraRed%20CAmera,million%20miles%20from%20the%20sun>.

1. Medical research that can only be done in spce:

<https://www.nasa.gov/missions/station/space-station-leads-to-breakthroughs-in-human-health-on-earth/>

1. Propellant Depot research by Nasa: Cost and functions of a fuel depot:

<https://en.wikipedia.org/wiki/Orbital_propellant_depot>

1. Current cost of water from earth to space:

<https://www.ars.usda.gov/ARSUserFiles/ott/New%20Website/Partnerships/SBIR%20-%20TT/Pancopia%20NASA%20Success%20Story.pdf>

1. Cost analysis of brining water to LOE:

In capstone folder/attached to email.

1. Cost analysis of different load/mission categories. This shows how much cargo and crew transportation costs.

In capstone folder/attached to email.

1. Medical research that can be done in microgravity:

<https://pmc.ncbi.nlm.nih.gov/articles/PMC8758939/>

1. University of Florida symposium and research on in-space medical research:

<https://pharmacy.ufl.edu/biomanufacturing-in-space-symposium/>

1. ISS successfully 3D prints knee meniscus:

<https://www.nasa.gov/missions/station/iss-research/3d-bioprinting/>

NASA api code:

c0fTsk5hFsIIpsAqdnJBchpvqJJKjZWzj6GGdGKe