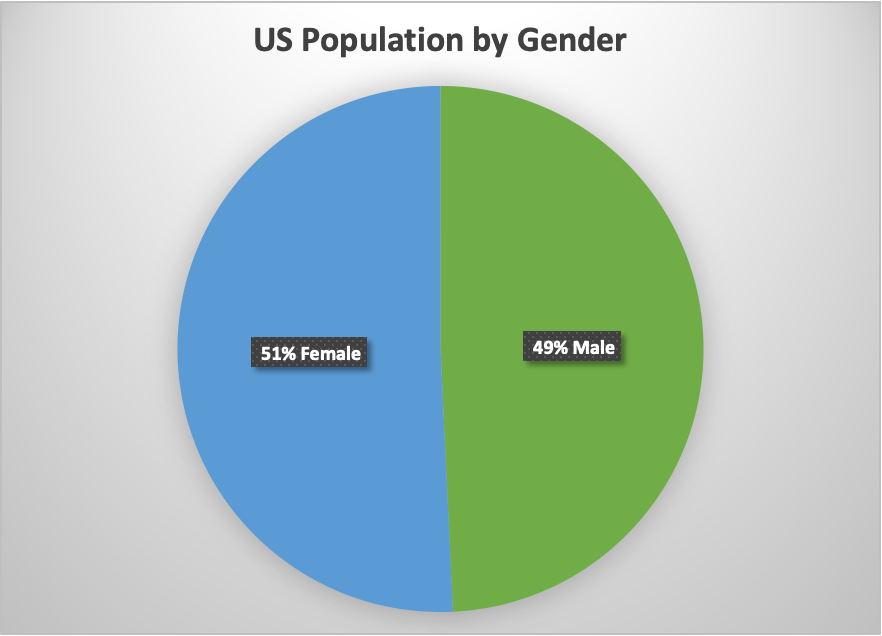
Week 3 Exploratory Analysis:

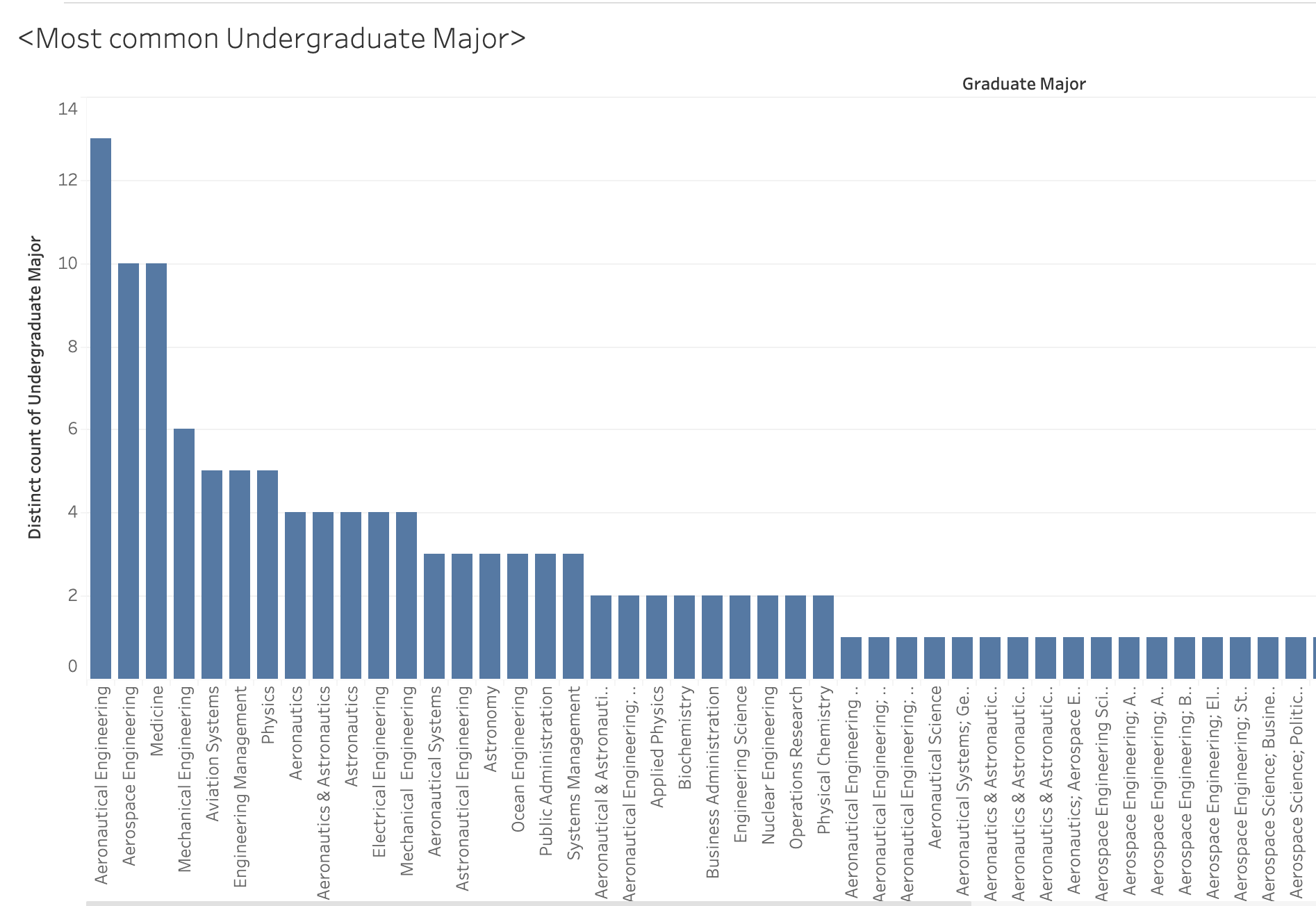
* **Rachel Reich**

**Overall population of US**

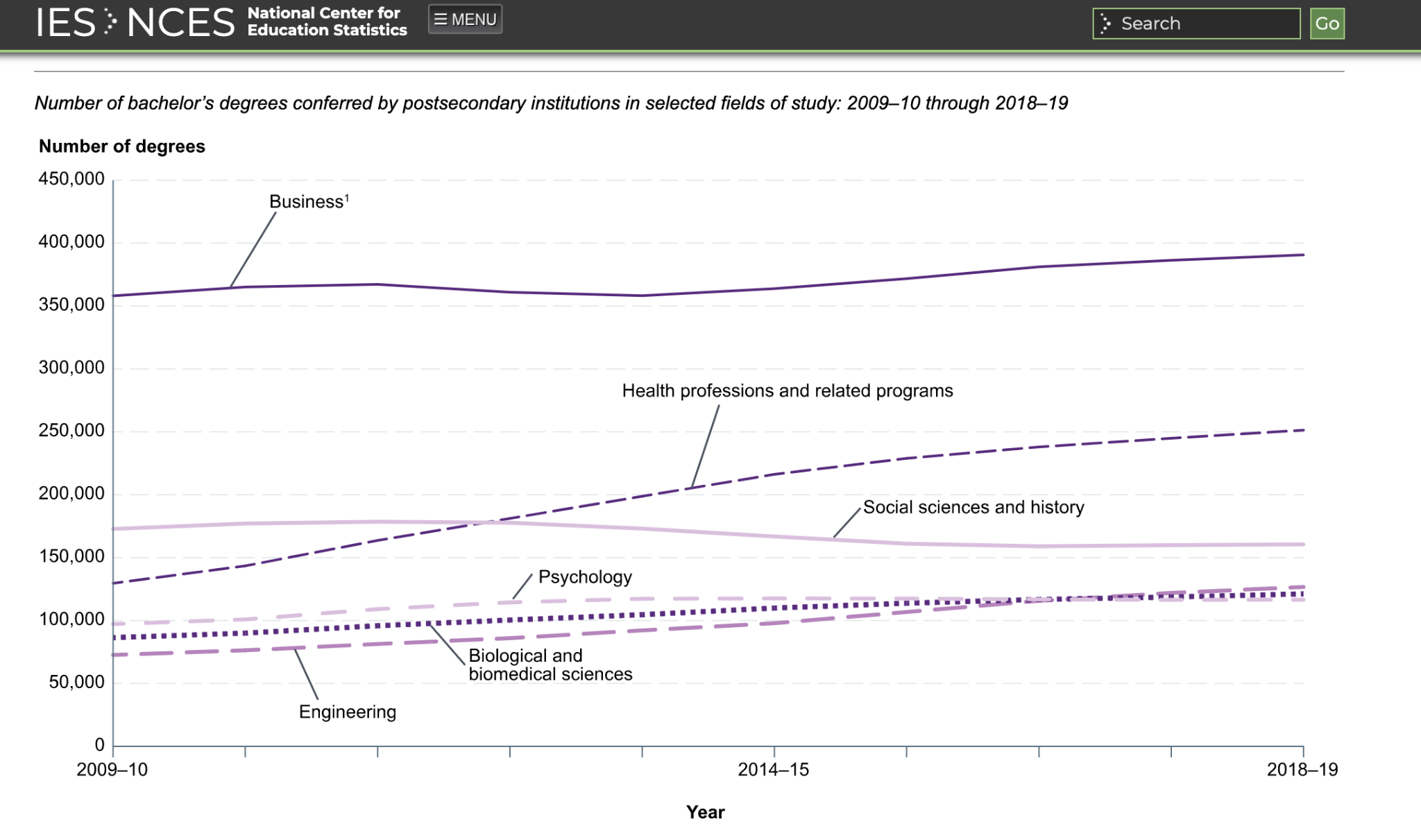
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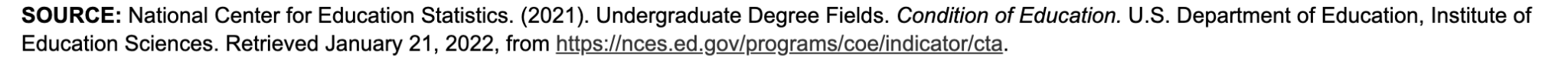
**\* Census data not available for other genders**

**Most common undergraduate majors among astronauts**

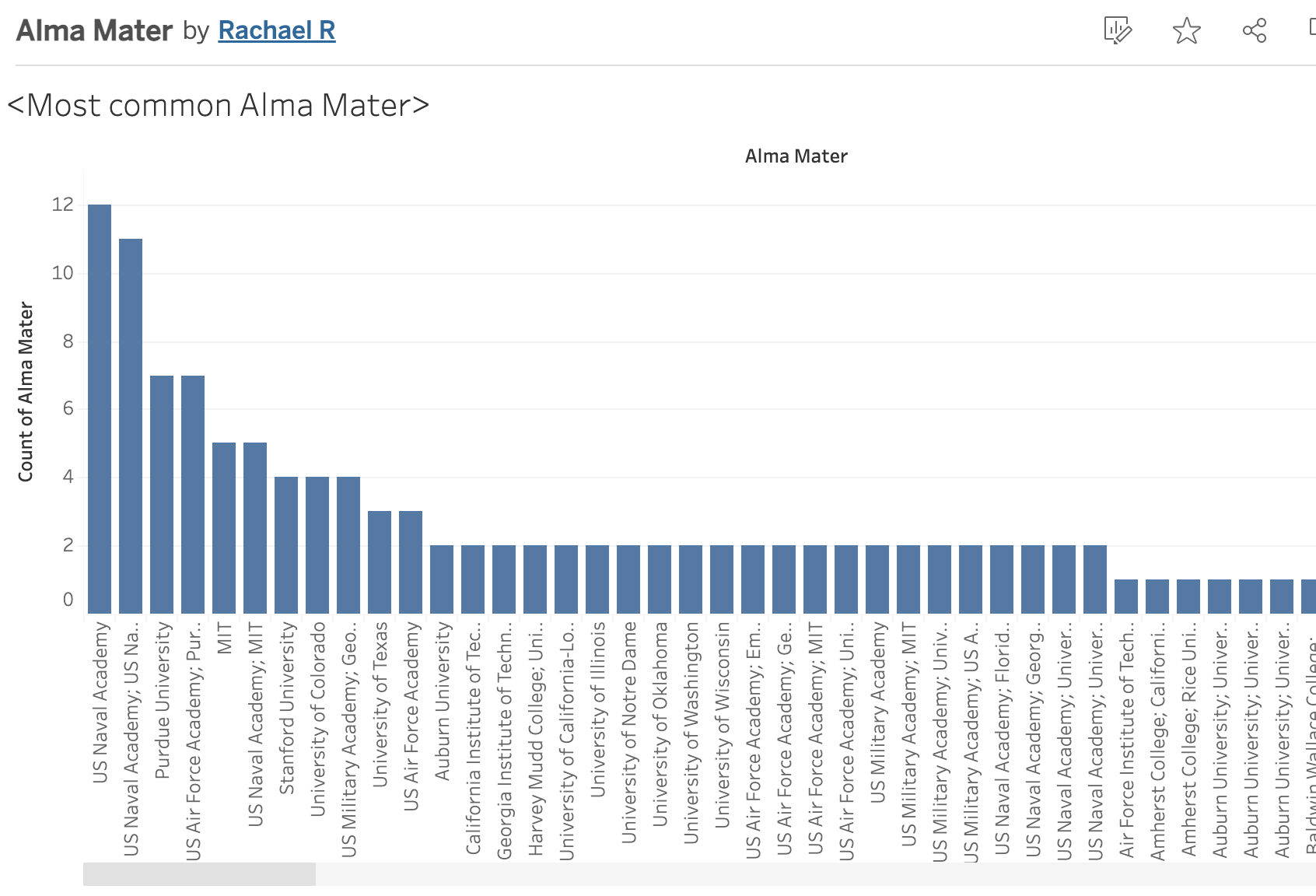
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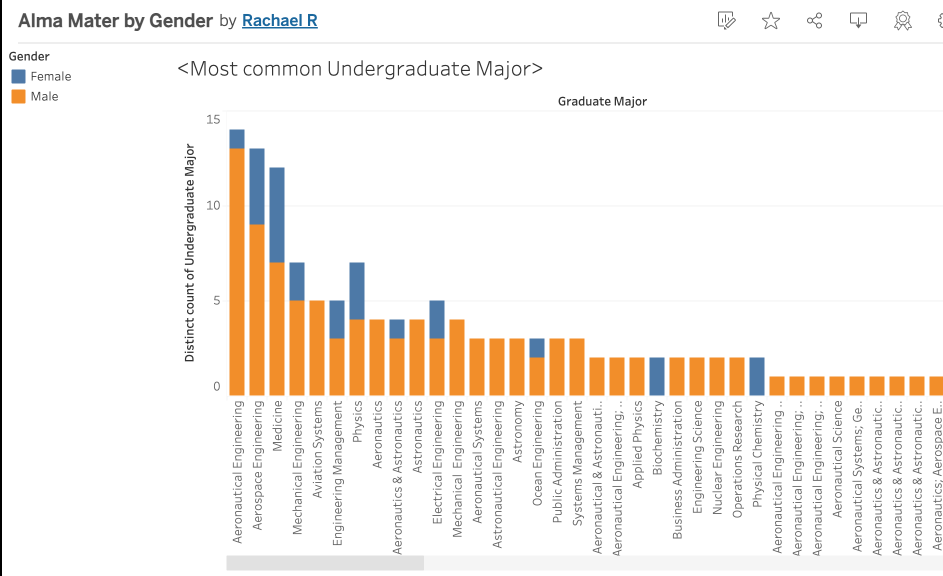
**Most common undergraduate majors in the US**

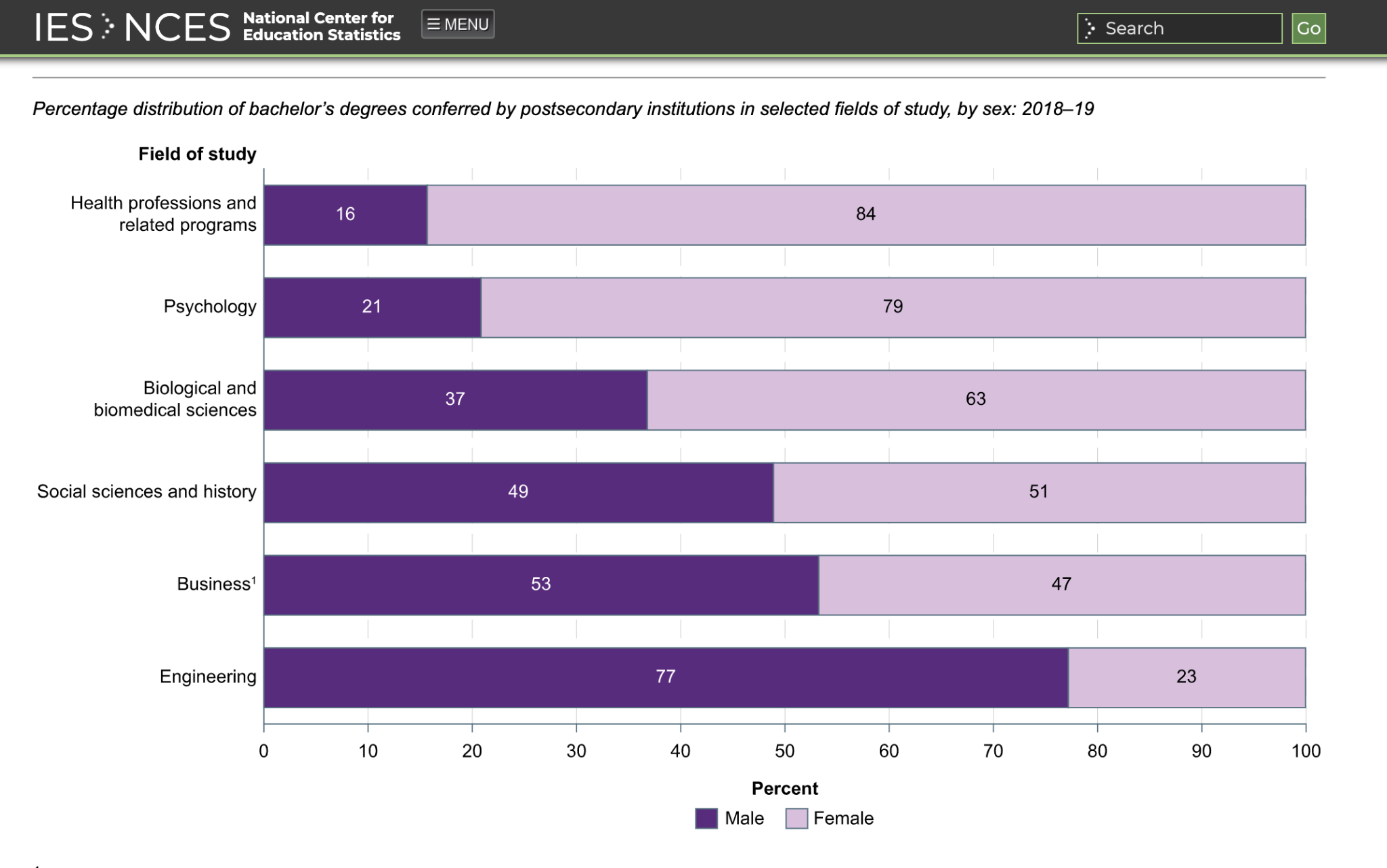
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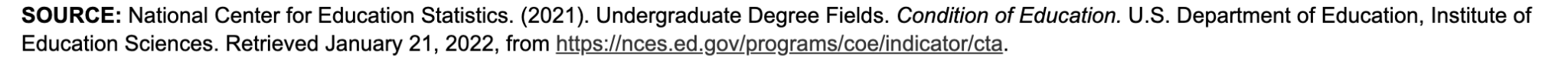
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**Most astronauts are engineering undergraduate majors, which is the 4th mosty common major in the US as of 2018.**

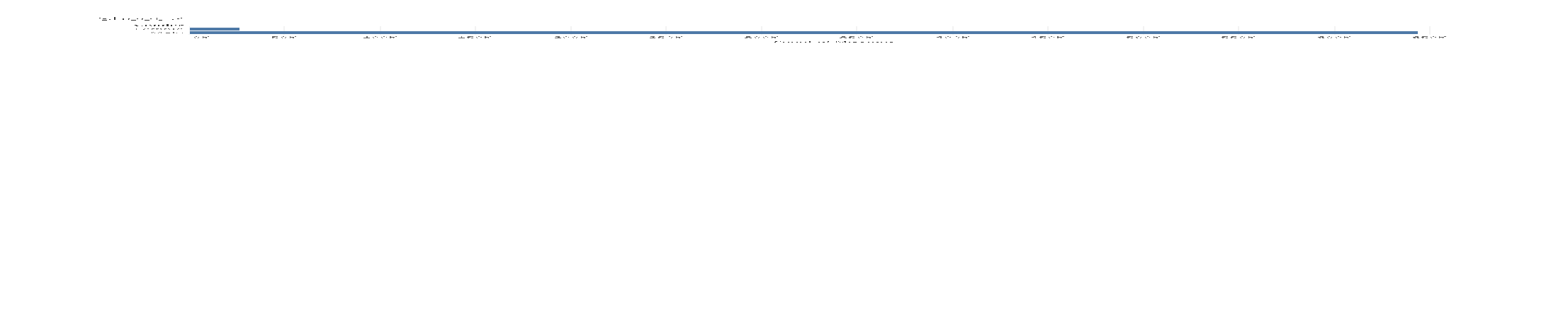
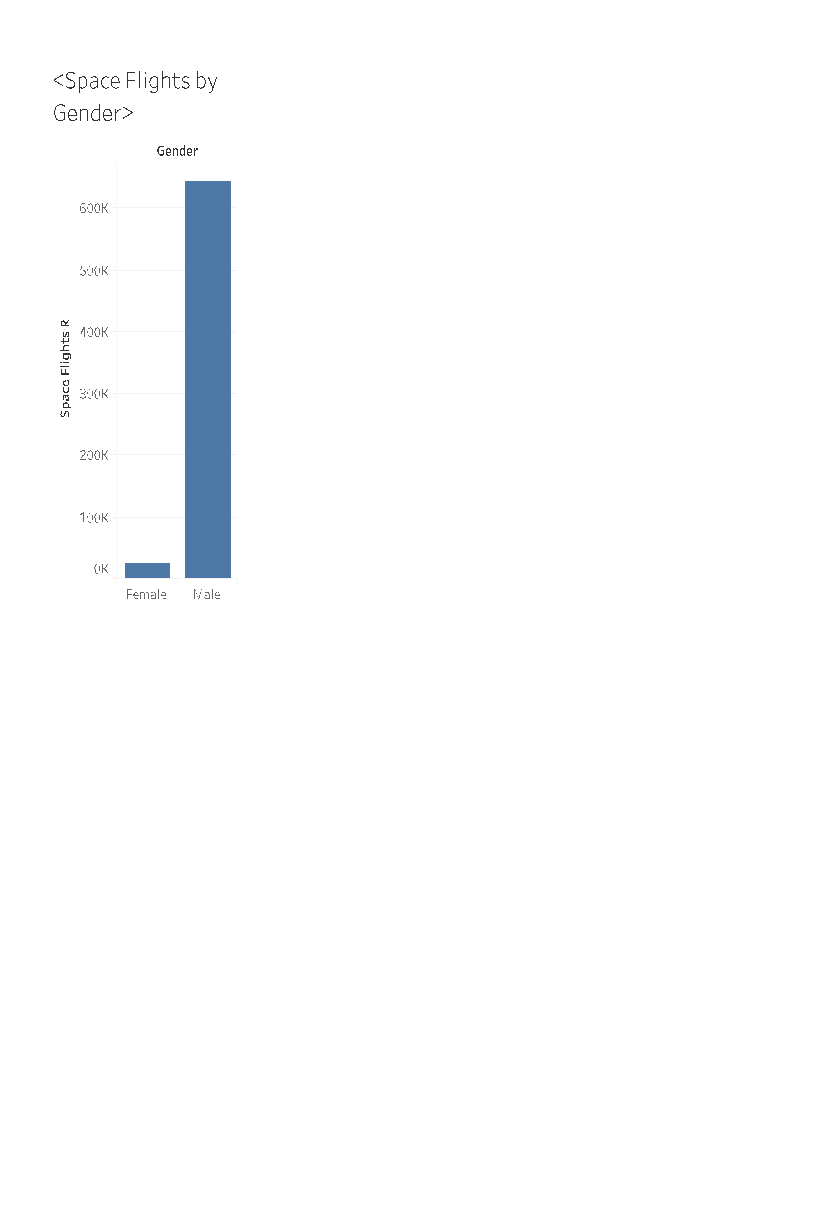
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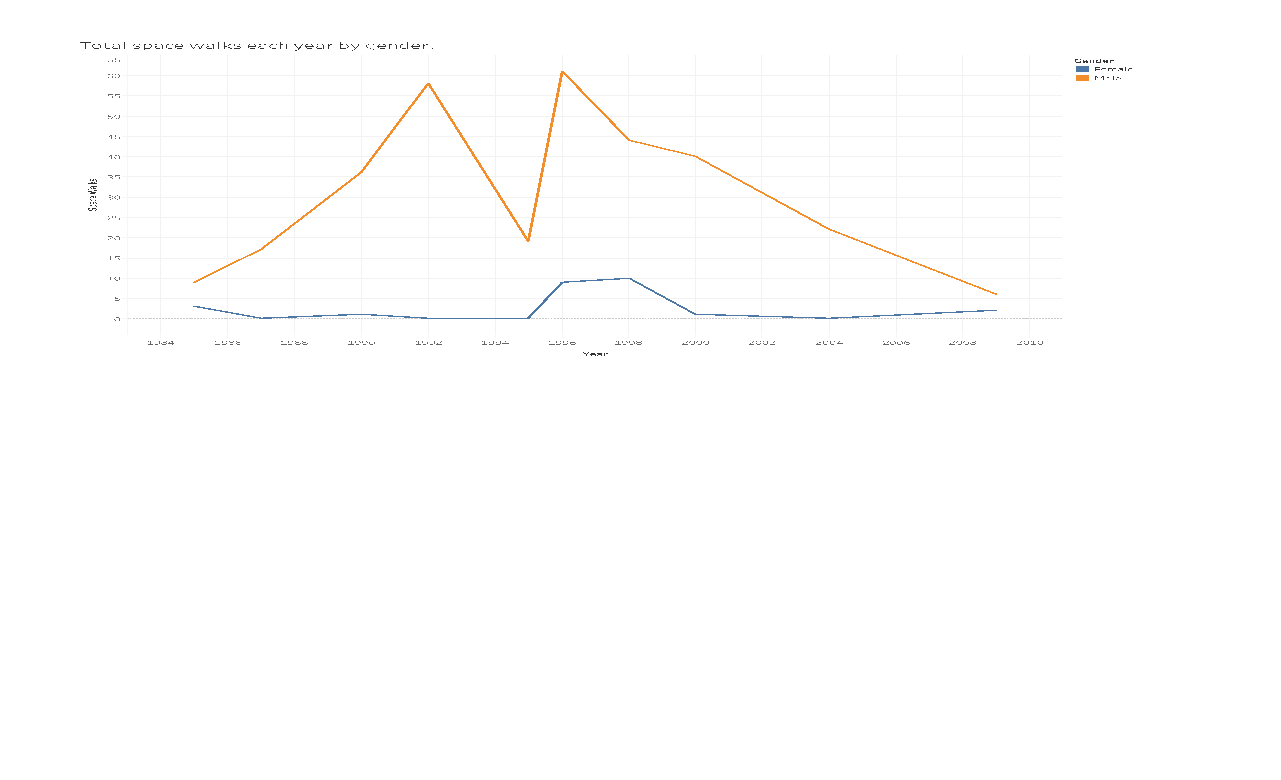
****

****

**Looking at the most common major of Aeronautical Engineering it is 92% male and 8 % female. This is less compared to the US which is 77% male and 23% female.**



* **Elesha Hunter**



* **Kaity Tainer**

Exploratory Questions

1. What is the difference between the probability of interview selection versus the probability of actually being hired between men and women?
2. Is there a significant difference between the different types of degrees candidates have and their likelihood of being hired by NASA?
3. Is there a significant difference between how male and female bodies fare in space?

Tableau

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

When hovered over, you can see the number of males (643,680) vs. females (25,806)

This specific dataset didn’t have a lot of different combinations to try from the tables provided, but had some basic information regarding the main topic of our project.

* Stacey Gonzalez

Chart, line chart

Description automatically generated

Chart, line chart

Description automatically generatedChart, line chart

Description automatically generated

Chart, histogram

Description automatically generatedChart, histogram

Description automatically generated

Chart

Description automatically generated

Table

Description automatically generatedGraphical user interface, text, application

Description automatically generated

* Kendra Sawyer

Chart, bar chart

Description automatically generated

* Cynthia Cardenas

What gender and race gets the most space flight hours?Chart, scatter chart

Description automatically generated

Graphical user interface, application

Description automatically generated

After doing this tableau graph I was able to determine that Caucasian males have significantly more space flight time than anyone else.

Chart, bar chart

Description automatically generatedIn this graph I wanted to see if there was a discrepancy between the about of education between male and female as well as race. Just by looking at the graph I can tell overall, females tend to have more years of education with Asian females having the most education.

Chart, bar chart

Description automatically generatedHere I was able to determine that on average male Astronauts tend to be older than their female counter parts.

Table

Description automatically generatedChart, histogram

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedChart

Description automatically generatedChart, histogram

Description automatically generatedGraphical user interface, table

Description automatically generated