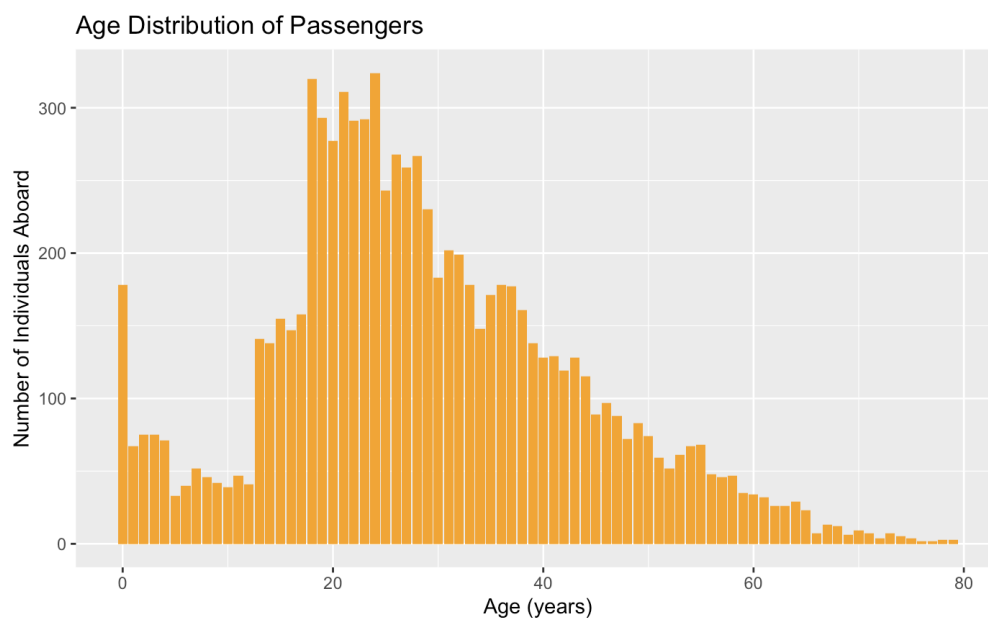
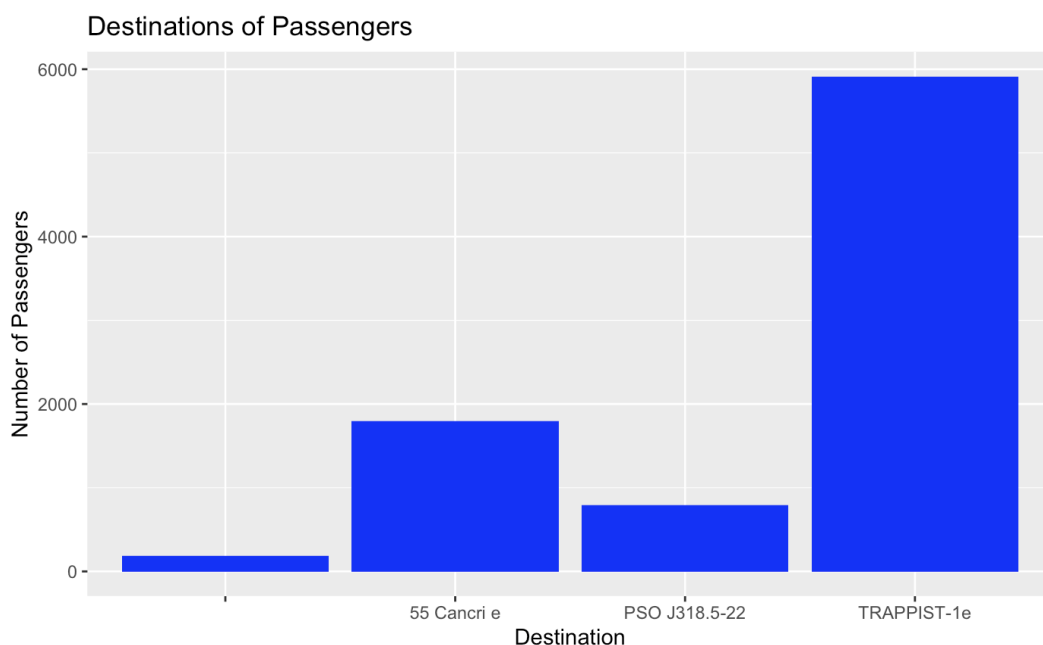


As I was exploring the Kaggle data used in this project, I was able to formulate five to six main questions. They involved passenger demographics, travel routes, food sources onboard, whether passengers were VIP or not, and if people opted for cryosleep. The mean age of the 8693 passengers whose information was provided was about 28.8 years. Additionally, I found that there were about 178 babies under the age of 1 aboard. This coupled with the late-twenties average age of passengers leads me to believe many young parents are aboard the ship. This could be a key demographic to advertise future trips to. The number of individuals drops off after 45, and the oldest passenger is 79.



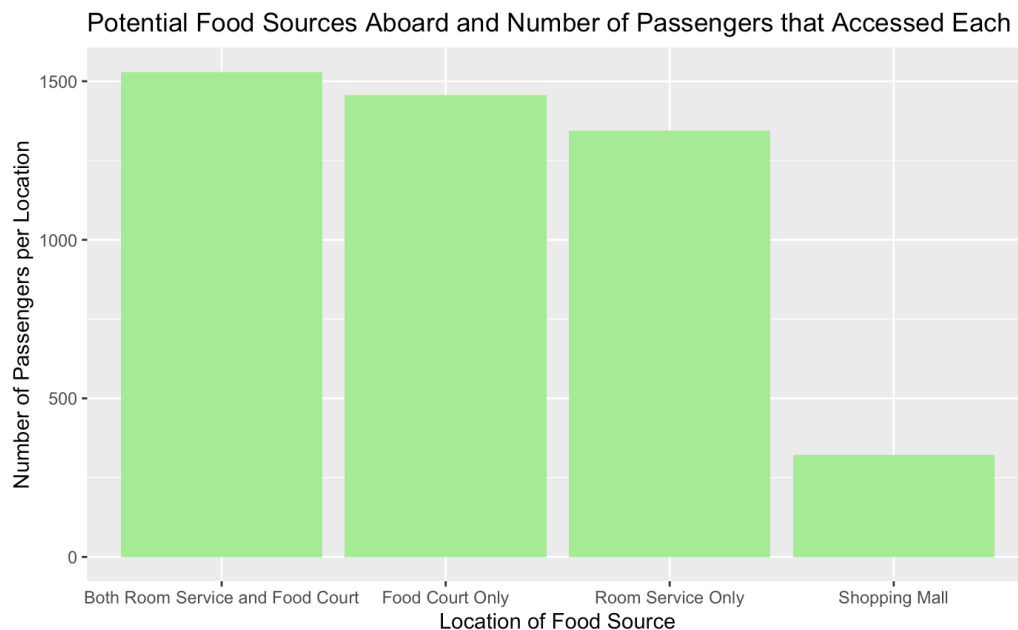
The most common route passengers opted for was from Earth to TRAPPIST-1e, with



3101 passengers going on this trip. In general, most passengers were headed for TRAPPIST-1e, regardless of their home planet. A total of 5915 passengers were going to this destination. That's about 68% of the

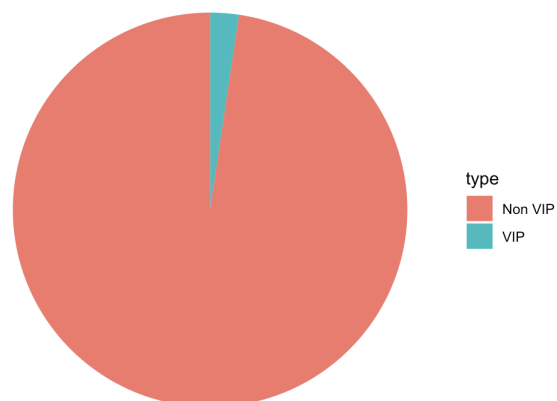
whole ship (assuming the whole ship consists of 8693 passengers.) The second most-common destination was 55 Cancun, and PSO J318.5-22 was the least-common destination. It's not clear as to why PSO J318.5-22 was the least popular destination. We might need to do surveys or gather more data to figure out how to boost trips to that destination.

When I was examining the main likely food sources aboard, I focused on the Food Court and Room Service. I included the Shopping Mall as a possible food option, as it is not clear if there are obvious food options located here for passengers. Looking at this data, there was a similar number of passengers opting for only Food Court or Room Service. These numbers were also similar to the number of passengers that opted for both options. The Shopping Mall had the lowest number of passengers visiting it as a possible food source (which is not verifiable unless we get more data about this topic). What's interesting is that 660 people were not in cryosleep mode and didn't seem to eat any of the locations mentioned above. This could mean they brought their own food supply aboard.



Majority of the passengers were not VIP. 8291 passengers or about 95.38% of the ship's population were not VIP members. Only 199 passengers were VIP, or about 2.29% of the ship.

Percentage of Non-VIP and VIP Passengers



Lastly, out of all the passengers that were VIP, only 21 people opted for cryosleep on their trip. This was only about 10.55% of VIP folks. Out of the non-VIP passengers, 2941 people or 35.47% opted for cryosleep. This could mean the cryosleep service is sought after, regardless of if passengers opted for VIP benefits or not. This is a positive, as we could further market this as an equitable option for everyone. I am curious though as to why so few VIP passengers didn't opt for cryosleep. Is it the experience itself, or are there other factors we haven't thought of that are preventing VIP guests from opting for cryosleep? Further examination can be done, such as a cost-benefit analysis between the cost of cryosleep during a full trip versus spending money on food and drink everyday. (More data would be needed for that analysis.)

