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Step 4: Interpreting Our Data

Once we've visualized and analyzed our data, we'll be able to **interpret** it. But, what does that mean?

In Step 4, we'll use our analysis to answer our hypothesis and then use this answer to make predictions about future data. This allows us to create meaningful, real-world recommendations.

How does this work? We might:

1. Recall our Planet Express hypothesis.
2. Review our prior visualizations and calculations.
3. Create a model that demonstrates how our analysis answers our original hypothesis.
4. Test this model on a sample set of new data to see if it continues to hold true.
5. Refine our model until we're confident that we can make recommendations from it.

Our hypothesis from Step 1 should guide our approach and analysis in Steps 2 and 3. In Step 4, our goal is to create a general model that interprets our data and resolves our hypothesis. Once we've tested this model on new data, we'll be able to use it to make predictions and justify future decisions.

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