

## Using the Interactive Extra-solar Planet Catalog

For this inquiry activity, you will be using an online, interactive catalog of known extra-solar planets, which is located at: <http://exoplanet.eu/catalog/>

When you're using the "Diagrams" section of the catalog, you have two options for exploring the collected extra-solar planet data: "Histogram plot" or "Scatter plot". Histogram plots are useful for understanding the number of planets that have certain physical properties and the scatter plots are useful for looking for correlations between the different physical properties. In this activity, you will use both plot formats.

In order to help you to complete the activity, I've include some notes for using the catalog:

- For questions that ask how many planets are being shown in a given dataset, look for the small box underneath the plot labeled "Statistics"
- When using "Histogram plot":
  - You can hover over the bars on the plot to determine the number of planets in that bin.
  - You can change the number of bins included on the plot. This can be useful for answering questions that ask how many planets are above or below a certain threshold.
- When using "Scatter plot":
  - You can hover over the dots to get the exact details for a given planet.
- There are a number of other features that allow you to customize the plot that is generated, feel free to explore these features during your investigation as some may be helpful for answering your question.