

Submit before 2nd Apr to earn 80 points

PRO-C132: PLOTTING CHARTS Assigned

In Class 132, We Have Plotted Bar Charts And Clusters Of Pre-Processed Exoplanet's Data. In This Project, We Are Going To Plot Various Graphs And Visualize The Preprocessed Data Of Stars To See How One Quantity Is Affected By The Other.

Goal of the Project:

In class 132, we have plotted bar charts and clusters of pre-processed exoplanet's data. In this project, we are going to plot various graphs and visualize the preprocessed data of stars to see how one quantity is affected by the other.

Story:

Our Sun is dying! The world is in an emergency as we are about to lose our star. All groups of scientists around the world have gathered together and created a technology to shift our Earth into another solar system, but which one exactly? Which star out there is safe and welcoming to our Earth? You have been assigned the task to research about stars so that we can choose the best one for us!


**** This is a continuation of the project we did for Classes 127, 128, 129, 130, and 131. Please complete those projects before attempting this project ****

Getting Started:

1. Open Google Colab and import the `star_with_gravity.csv` that is created in project C131.

Specific Tasks to complete the Project:


Step 1



1. Import the data from the csv file, make sure you have gravity data as well.

2. Create lists of mass, radius and gravity data using the `to_list()` method.

Step 2



1. Sort the list using `sort()` method.

2. Using **Matplotlib**, create charts between:

- mass and radius
- mass and gravity
- radius and gravity

Start Your Project

Read all the instructions carefully to understand the project

Click on "Start Project" to go to the project playground and start your project

Start Project

Submit Your Project

Learn how to submit your project

Paste your project URL

Submit Project

Class Summary

This project is based on your last class PRO-C132

View Class Summary

Ask a doubt to your teacher


HELP

https://code.byjusfutureschool.com/s/my-projects/view/243e484e-f364-4ed6-af87-e67e16e5be6d

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Step 3



1. Create **line** and **scatter** plots.

2. Add **labels** and **title** in the chart.

Submitting the Project:

1. **SAVE** all the changes made to the project.

2. Click on "**Run**" once to check if it is working.

3. Rename the project to **Project 132**.

4. Click **Share**.
- Comment

Share

5. Click **Change** and choose the '**anyone with the link**' option.

6. Copy the link and submit it in the **Student Dashboard Projects** panel against the correct class number.