

1. Which of the following is the suitable way to display the average income earned by men and women in a city?

1 / 1 point

- ☐ A scatter plot
- ☒ A bar chart
- ☐ A pie chart
- ☐ A histogram

✓ Correct

Correct! A bar chart or bar graph is a chart or graph that presents categorical data with rectangular bars with heights or lengths proportional to the values that they represent

2. What is a suitable way to display relationship between two continuous variables?

1 / 1 point

- ☒ A scatter plot
- ☐ A histogram
- ☐ A bar chart
- ☐ A pie chart

✓ Correct

Scatter plots are used to plot data points on a horizontal and a vertical axis in the attempt to show how much one variable is affected by another.

3. When the sum of two or more categories equals 100, what chart type is ideally suited for displaying data?

1 / 1 point

- ☐ A box plot
- ☒ A pie chart
- ☐ A histogram
- ☐ A line chart

✓ Correct

Correct! A Pie Chart is a chart that uses pie slices to show relative sizes of data.

4. Which of the following will return a scatterplot of age and evaluation scores differentiated by gender?

1 / 1 point



```
1 sns.scatterplot(x='age', y='eval', hue='gender', data=ratings_df)
```



```
1 sns.boxplot(x='credits', y='beauty', data=ratings_df)
```



```
1 sns.distplot(ratings_df['eval'], kde = False)
```



```
1 ratings_df.groupby('division')[['eval']].mean().reset_index()
```



Correct

Correct! remember that to create a scatterplot differentiated by a categorical variable, e.g. we gender, use the **hue** argument.

5. When multiple observations are reported for each respondent in the data set, to compute statistics for variables about the respondents, one must:

1 / 1 point



Ignore the presence of duplicates and compute statistics as usual



Weight data by duplicates



Remove duplicates before running analysis



None of the above



Correct

Correct!