Relationships between Continuous Variables Lab Load Glassdoor: https://github.com/fenago/cts245X/tree/main/EDA

Part 1: Analyzing relationships with scatter plots

On a new page, named "scatter plots", create a new scatter plot of YearsAtCompany vs. MonthlyIncome.	
Create a new scatter plot of TotalWorkingYears vs MonthlyIncome .	
Create a new scatter plot of JobLevel vs. MonthlyIncome .	
Create a new scatter plot of NumCompaniesWorked vs. MonthlyIncome .	
Which variable has the strongest positive relationship with MonthlyIncome?	
○ JobLevel	
YearsAtCompany	
TotalWorkingYears	
○ NumCompaniesWorked	

Part 2: Adding context to scatter plots

On a new page, called "scatter plot color", copy the previous exercise's scatter plot showing MonthlyIncome vs. JobLevel .

Add color to the story of the scatter plot by adding JobRole to the *Legend*. Place the legend on the bottom of the chart.

Format the scatter plot to maintain a consistent x-axis and y-axis. In order to do this, make a change in the ranges of the axes.

Create a *Stacked bar chart* showing the count of reviews by JobRole .

Finally, create two *Card* visualizations - one for the median MonthlyIncome and the other for the average MonthlyIncome. Arrange the cards to be at the top of the page and the charts on the bottom.

Using the bar chart to filter the other visualizations by JobRole, explore the relationship between JobLevel and MonthlyIncome changes for each separately.

Which job role has the highest median monthly income?

Part 3: Correlation coefficient

Add a trend line to the scatter plot to show the general relationship between JobLevel and MonthlyIncome.

Calculate the correlation coefficient using a "New quick measure".

Create a new *Card* visualization for the correlation coefficient. Arrange the cards to be evenly spaced on top.

What is the correlation coefficient for the relationship between JobLevel and MonthlyIncome?