



Visualisations



Data Patterns and Insights

I hope to highlight the change in number of the proportion of men and women in STEM and also hope to highlight the number of students from both sexes who take up courses in STEM and go on to have careers in the subject. Also the disparity in the salaries.

The charts that will help display these are the line, bar and possibly a stacked chart.

Power BI Visuals

One chart I think that would be useful to show trends would be the column and line chart. It will highlight not only the numbers in the bar but the line will chart the highs and low more clearly than a block.

I may also use the matrix table to show the figures by quarter as this will enable comparisons that are easier to see than in another form.

Cards may also be a usual feature to show actual figures.

Get More Visuals Options

I may utilise the map visual to show areas that are relevant and show how the numbers differ between them by shading.

The chiclet slicer and the tornado chart also looks like it could be useful to illustrate the numbers of the comparable data.

Visuals to Support

communicating key aspects

stacked bar chart – this can show the number variations clearly

column and line chart – can show clearly the change in numbers over a period

tornado visual can also break this down further by breaking the numbers into gender

matrix table – can show the numbers aspect of the salary

Project Goals and Data Interpretation

I am hoping that the data I am showing in various forms can clearly communicate to the reader the information that they are seeking. I am hoping that the numbers and significant

points can be easily understood and that the points I'm trying to highlight are giving the correct information.

Interactivity

The filters and data slicers will allow the reader to see any specific points they are interested in and provide realistic data to help them understand.

Tooltips can be an easy way to show data without having to change anything or click/filter/change page.

Have a consistent colour scheme can help the reader to easily understand connected data and not be too confused.