Analysis of Recent Labour Market Trends in Tech Sector of Australia

Methodology:

For this analysis, I have used the "ER Employment by Industry_November_2021.xlsx" dataset, which is openly available. Today, I have analysed the data four different ways possible. For this analysis today, I have used Python language. In python, I have used pandas for performing any operations on the dataset. And matplotlib for plotting graphs/charts.

The dataset consist of information about employment in various industries, not only on tech industry. It has been read into and other operations are performed on using Pandas library. The closest thing to go for analysing the tech industry is the "Professional, Scientific and Technical Services" industry. So I have used it.

Then I have plotted the employment details in capital cities and regional and even compared each other. Cities haave more jobs than all the regional areas combined.All the plotting has been done using the matplotlib.pyplot library.

In the fourth chart, I have done the comparison of employed people based on gender. This dataset doesn't fully focus on ICT jobs. Still, the difference between men and women is very high. Women has a very low representation in tech industry.