

Methodology :

To select a publicly available dataset I had to use the government website - ABS(Australian bureau of statistics) because even though kaggle and google datasets provided some promising datasets they can't be accessed without signing up.

I did a little data exploration which would give me an understanding of the data and how to proceed with it. I saw the min-max and std and decided that I needed to check for data skewness and outliers. I removed the rows that made the data unfit to perform analysis on.

By using `group_by()` and `sort_values()` functions I derived all of my tables and charts.

I discovered that 3 regions in NSW have high employment total and one region in SA has 0 employment. I visualized which areas have better employment opportunities based on full time career options and part time career options using pie charts.

We can understand from the data that ACT and VIC have the most percent of females working in tech, so a female applying for a job at VIC has a higher chance of getting hired(based on total jobs.)

Finally, we will look at tech industry performance/growth for each state. We can see from the data that the tech industry is in decline in most states, except NT, ACT and VIC.