For week 51, I focused on percentiles of required years experience covering various occupations.

Included are data where the CATEGORY column is ‘Prior work experience’, and where the ESTIMATE\_TEXT columns contain the word ‘percentile’.

A PERCENTILE column was created by parsing text in the ‘ESTIMATE TEXT’ column.

The pivot puts the occupations as column heads, percentile values as as an index.

All selected occupations have values at 5 percentile levels (10, 25, 50, 75 & 90). Occupations with missing percentile values were excluded, a step that dropped the total number of occupations from about 93 to a plot-friendly value of 30.

The first plot looks at 3 occupations and the aggregated values for All workers (aggregation is part of the data set, was not done with python). At all percentile levels, there are more years of experience among Financial managers than among Bartenders. This plot used annotations to label each trace, while the actual legend is hidden.A graph of different colored lines

Description automatically generated

The second plot includes all occupations that have values for all 5 percentiles. This screen shot is a bit noisy, however using plotly’s interactive legends you can select and de-select traces to find whatever

A graph with colored lines and text

Description automatically generated