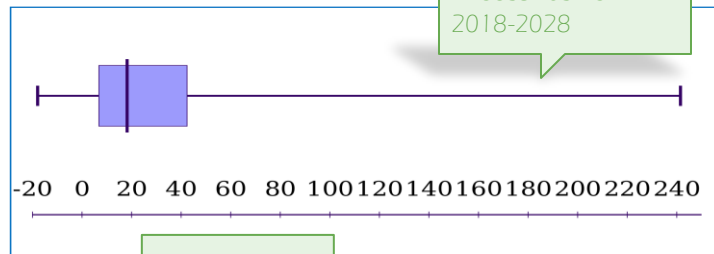
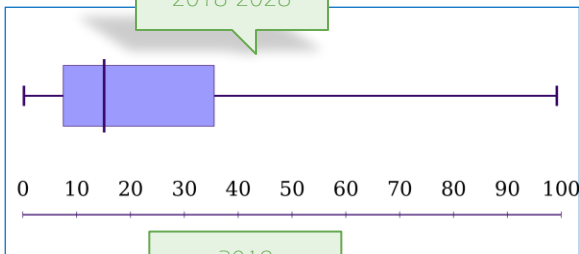


## Core Inquiry Question

There is a significant amount of talk about Big Data and the demand for Data Science in the workforce over the demand for any other technology field. How does Data Science compare to other technology fields in terms of expected job growth, entry salary, and education/on the job experience to land a job? Is Data Science really projected to have the most growth in this decade?

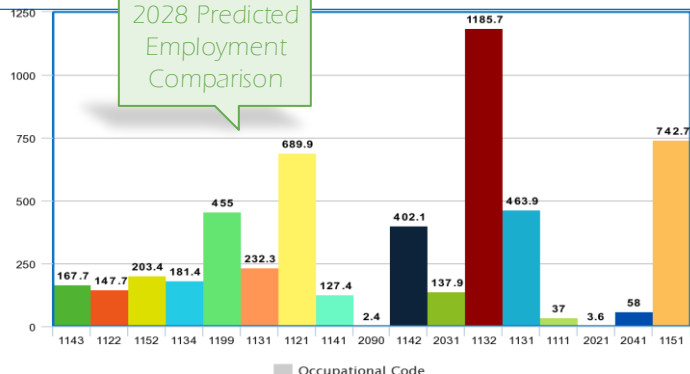
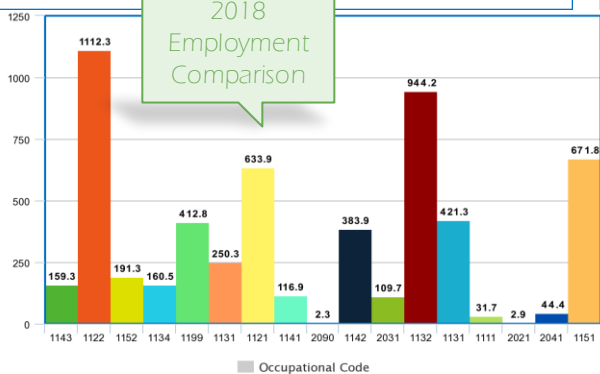
Average Annual Occupational Earnings from 2018-2028

Employment Change in Thousands from 2018-2028



2018 Employment Comparison

2028 Predicted Employment Comparison



## Hypothesis

The Bureau of Labor and Statistics data will support all the claims about demand for employees, the growth of the field and the rising salaries in the Data Science field compared to other technology industry jobs.

## Conclusion

The data does not support the Hypothesis.

## Heading

### Data Details

This group is in the lowest quartile for the following:

- 2018 Employment 31.7 Thousand
- 2028 Employment 37 Thousand
- Change, 2018-2028 Employment 5.2
- Percent Change, 2018-2028 16.5 percent
- Occupational Openings, 2018-2028 3.2 Thousand

While this was the outlier, there were 3 groups that did not have data reported, it could be assumed that this group is in the top Quartile

- Median Annual Wage 2019 \$122,840 .

## Future Analysis

I would be interested in going back and looking at more broad time period of 10-20 years.

Comparing the projected information with the actual reporting, along with combining and comparing the data form the Census and the Bureau of Labor and Statistics.

## Sources

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- Forbes "IBM Predicts Demand For Data Scientists Will Soar 28% By 2020" <https://www.forbes.com/sites/louiscolombus/2017/05/13/ibm-predicts-demand-for-data-scientists-will-soar-28-by-2020/#716659787e3b>,
- The EMSI "Should We Offer a Data Science Program?" on their website, <https://www.economicmodeling.com/data-science-research/>