Richard Mayer, 31st Oct 2025

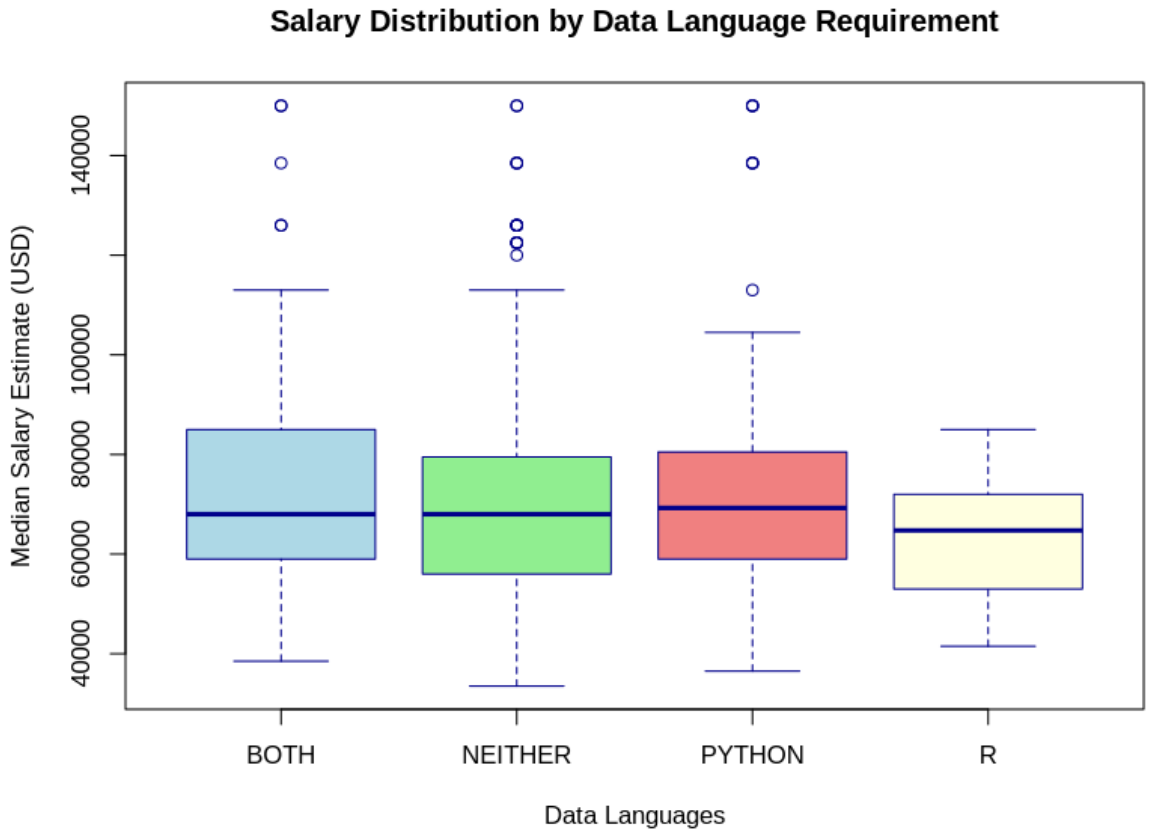
Julius Output Report – GRAPH Workshop 3

This workshop is focussed on analysing data from a provided datase comparing years of experience to income and the salary distribution by data language experience across the analysed population.

Analysis of Years of Experience

The analysed data shows an upward trend in correlation with growing years of experience to a growing salary. However, the data pool for this analysis is heavily weighted toward lesser years of experience and the higher years of experience offers much fewer data points. Furthermore, the scattered outliers of very high salaries among the lower years of experience clearly indicate the multifactorial nature of the underlying question. In essence, to truly understand any correlation there are many more factors that need to be taken into consideration.

Analysis of Programming Language Requirements



Analysing the salary levels across the data pool shows no significant difference in the candidate's command of either or any programming language. Not even the outlier data points would demonstrate the knowledge of either or both analysed programming language to drive a higher salary point for the employee. In conclusion, across the analysed population it doesn't matter if any experience in programming language can be demonstrated in relation to the salary expectation.

Reflections

Powerful analysis capabilities and very applicable demonstration of extracting dedicated parameters to clean very complex input data pools to drive a more easily validateable analysis. Applying the "right" tool to the "right" task makes all the difference.