

# Analyzing Job Market Data with LLMs in Sheets and AI Reporting Agents

George DAVIS – 2 February 2026

## Introduction

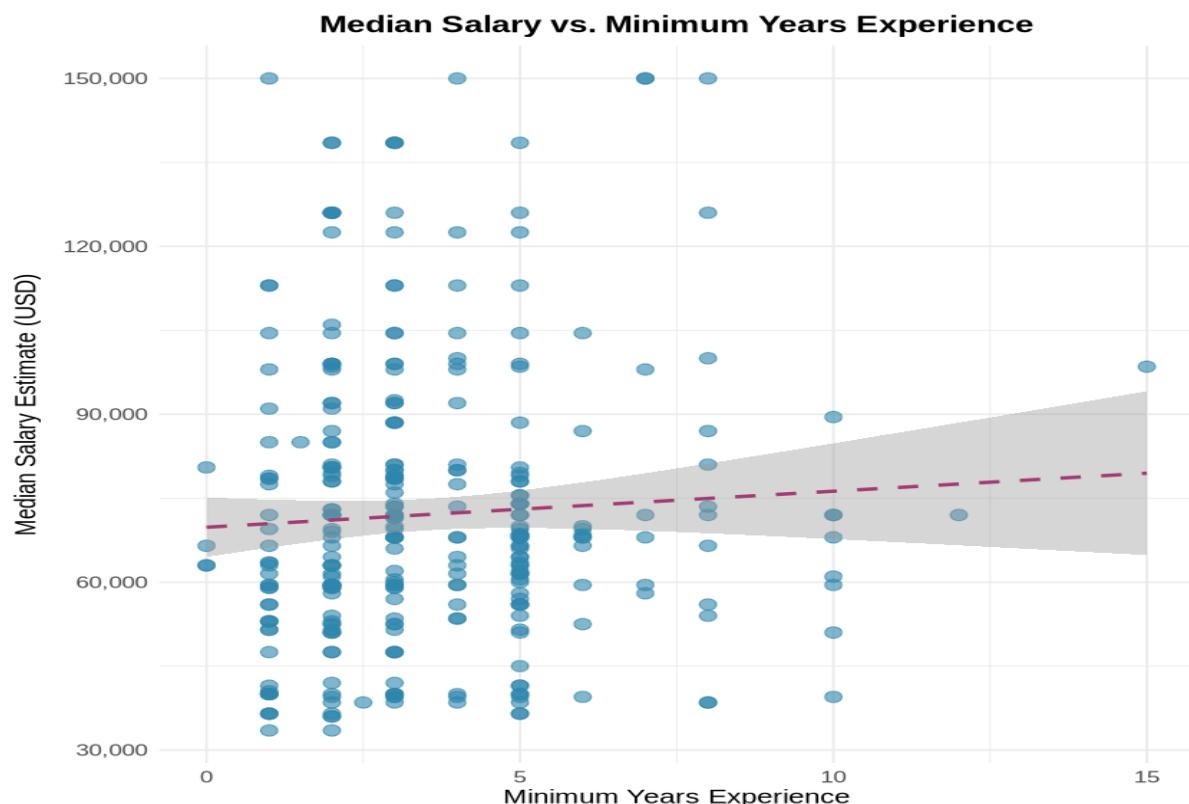
Analyzing Job Market Data with LLMs in Sheets and AI Reporting Agents

This exercise is centered around extracting information from a job description employing LLMs in Google sheets and AI reporting agents.

The Google sheet is then downloaded as excel CSV and using Julius, and a prompt, the information is then transformed into images and descriptions for a more visual representation.

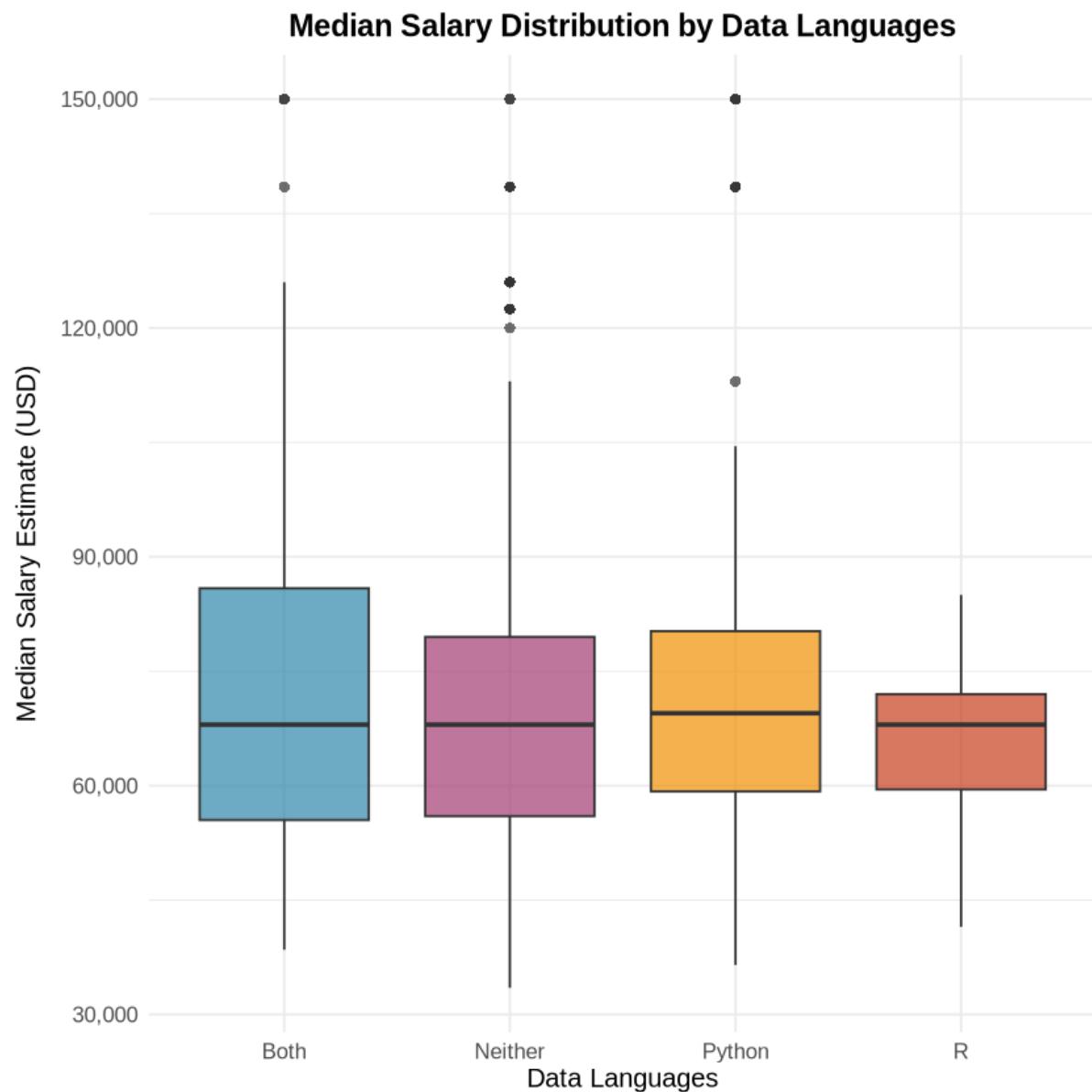
## Scatter Plot: Experience vs. Salary

**Years of experience analysis using the scatter plot representation.**



This scatter plot shows the relationship between minimum years of experience and median salary estimates. The plot includes 308 data points (jobs with valid experience data) and a linear regression line to show the trend. There appears to be a positive correlation between experience and salary.

## Box Plot: Salary by Data Languages



This box plot compares median salary distributions across different data language requirements:

Both (R and Python): 64 jobs

Neither: 256 jobs

Python: 67 jobs

R: 13 jobs

The box plot shows the median, quartiles, and outliers for each category, making it easy to compare salary distributions across different language requirements.

## My reflections

This is my first time doing serious work like data analysis using LLMs. I have been using LLMs more for refining my CV and at times cover letters, but this is another level where I can do interesting things with this tool.

The exercises are getting a little technical, I think, but the pre-work and live workshop helps a lot.

Great to use in business applications.