

Data Analyst Job Market Analysis

Gbadegesin Alawode

31-08-2025

Contents

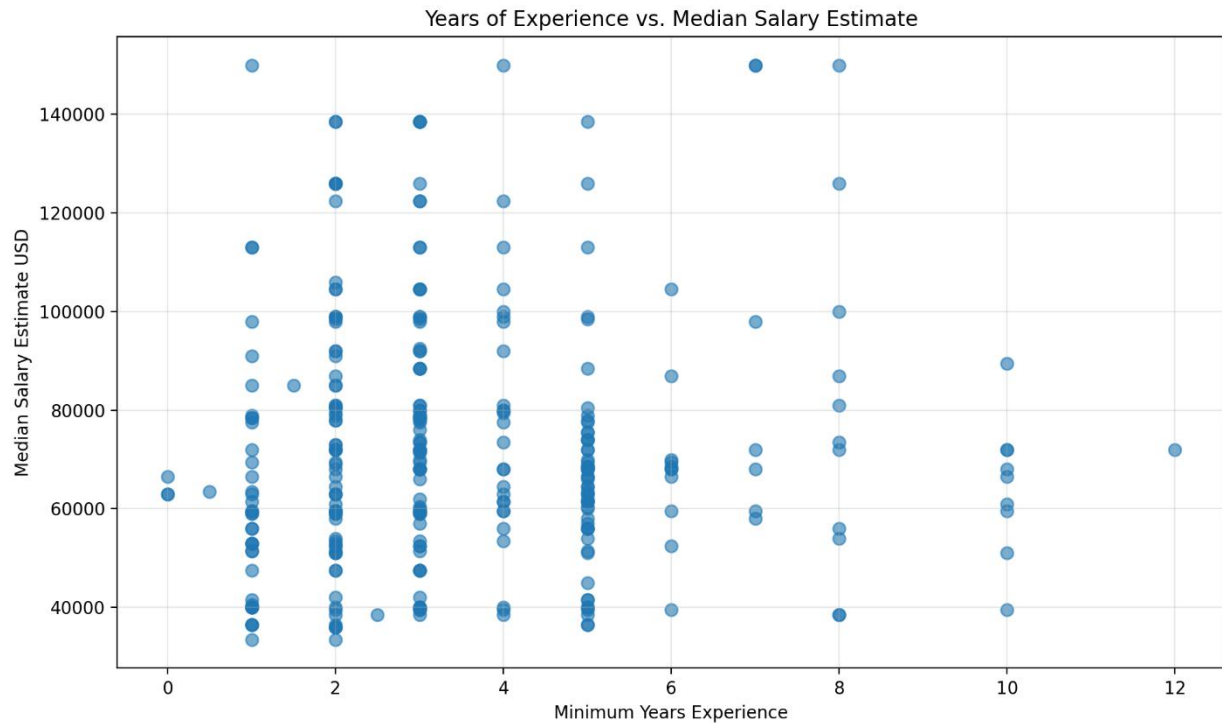
Introduction.....	1
Minimum Years of Experience Analysis.....	1
Scatter plot showing relationship between minimum years of experience and salary estimates..	2
Programming Language Analysis.....	2
Box plot comparing salary distributions across different data language requirements (Python, R, Both, Neither, etc.).....	3
Reflection.....	4

Introduction

This dataset is based on the data analyst job title and descriptions published by various companies (private and public) across diverse industries. The project aims to generate a scatter plot and box plot of minimum years of experience vs median salary estimate (USD) and programming language requirements vs salary distributions respectively.

Minimum Years of Experience Analysis

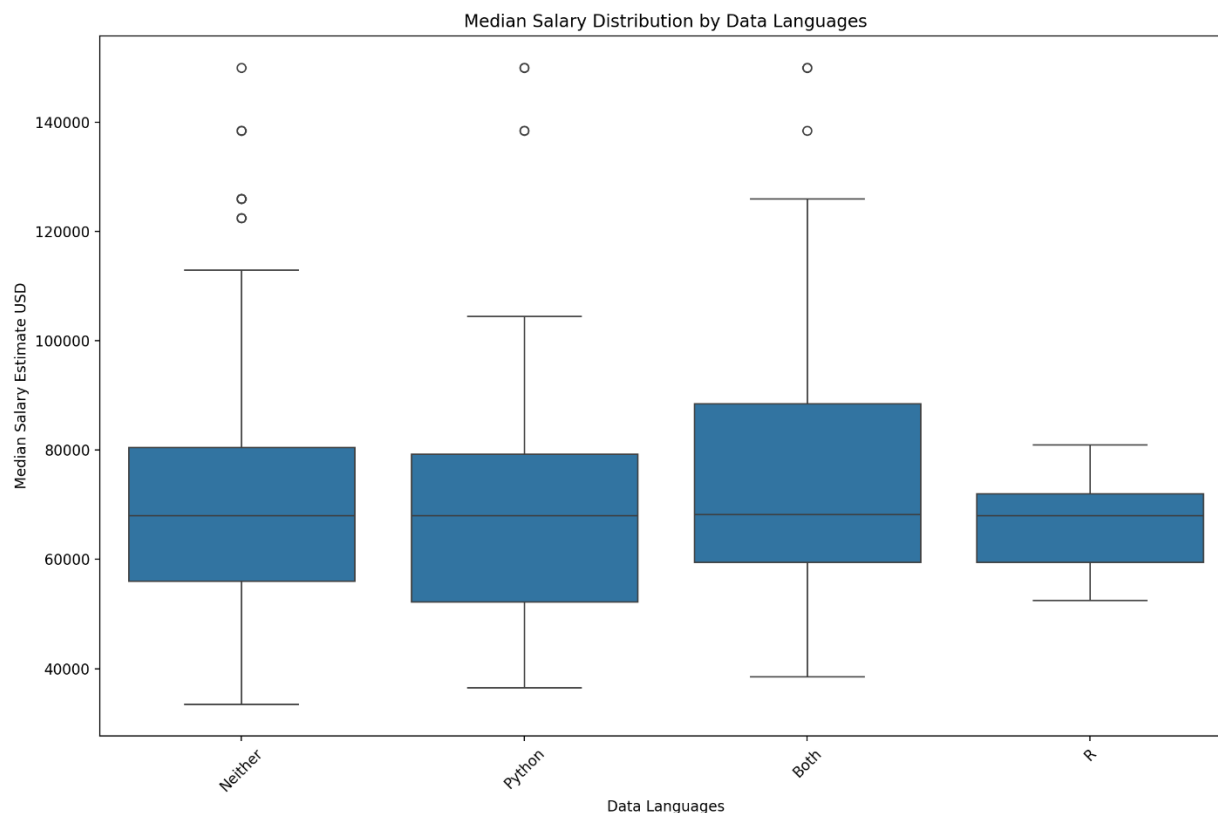
- A scatter plot: Minimum Years Experience (x-axis) vs. Median Salary Estimate USD (y-axis).



The scatter plot shows the relationship between minimum years of experience and salary estimates

- **Programming Language Analysis**

- A box plot: Median Salary Estimate USD distributions for each category in Data Languages.



The box plot compares salary distributions across different data language requirements (Python, R, Both, Neither, etc.).

- **Reflection**

The use of Julius software and analysis within the shortest possible time further emphasizes the important role of AI and LLM in increasing productivity especially for someone like me who have no coding experience. At first, I found navigating the creation of the MYGPT command difficult, however, the class training and rewatching the video and following the step-by-step processes was really helpful.

I am quite excited about the fact that I can analyze data and generate charts without writing a single line of code. I am happy to have enrolled for this course on gaining hands-on skills in using AI tools to improve my productivity.