LinkedIn

Job Posting 2023 Dataset

Data Source: This dataset from Kaggle contains a record of **33,000+ job postings** listed over the course of 2 days.

Motivation: Linkedin is the most well-known social media site used to post various employment opportunities making it a good source to analyze the following questions:

1. Amount of job postings for a specific job types/industries?
2. Locations with highest job postings for specific job types/industries?
3. Offered salary ranges for job postings?

This analysis will be covering job postings related specifically to **data analysis jobs**.
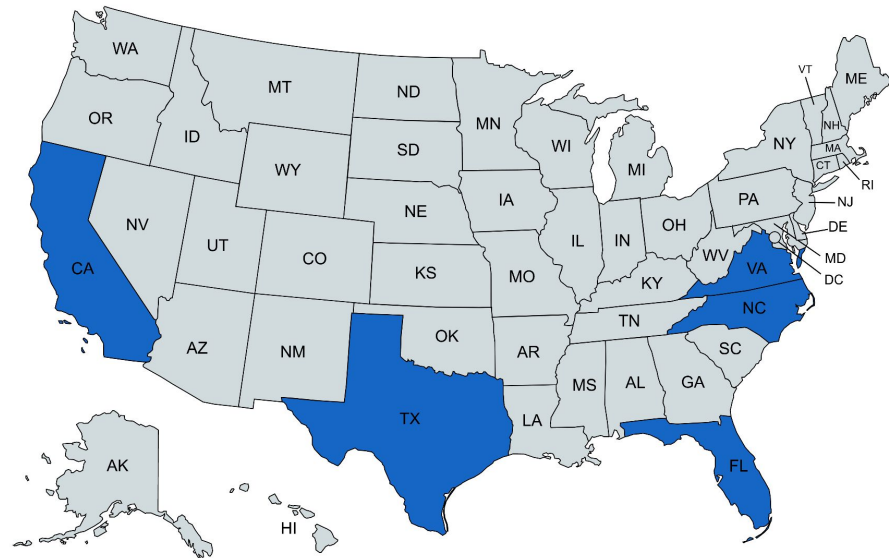
Dataset Findings 1

Original dataset is 33,246 rows and 28 columns.

Filtering specifically for roles containing **"Data Analyst"** in the title brought up 91 job postings.

After some data cleaning (filtering & replacing values), **the top 5 states with the majority of "Data Analyst" job postings were**:

1. CA - California
2. TX - Texas
3. VA - Virginia
4. NC - North Carolina
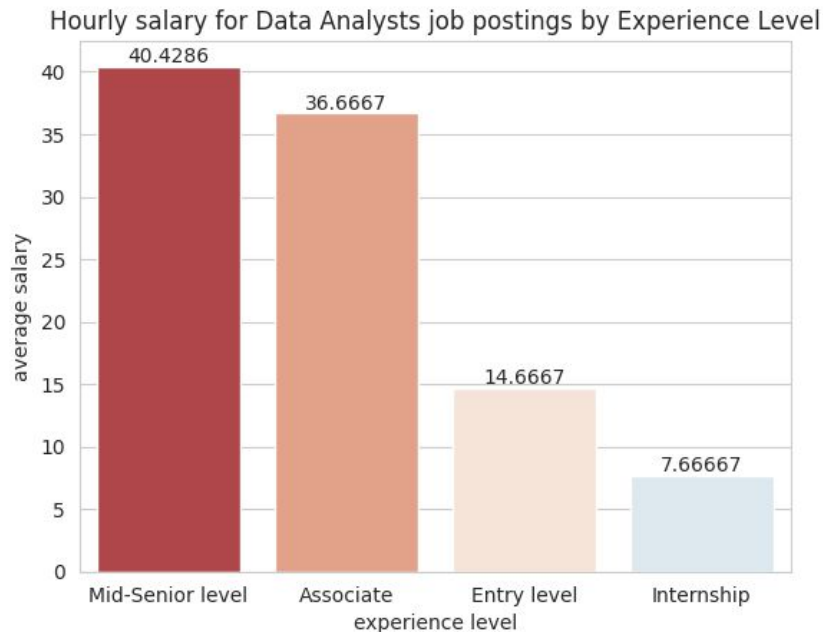5. FL - Florida

Dataset Findings 2

For job postings with **"Data Analysts"** in the title:
- **24 out of the 91** job postings indicated that remote work was allowed for hired employees.

- 27 job postings made mention of the program **"Python"** in the job description.
  - For a majority of these roles (17 in total) requested Python for **Mid-Senior Level job positions.**
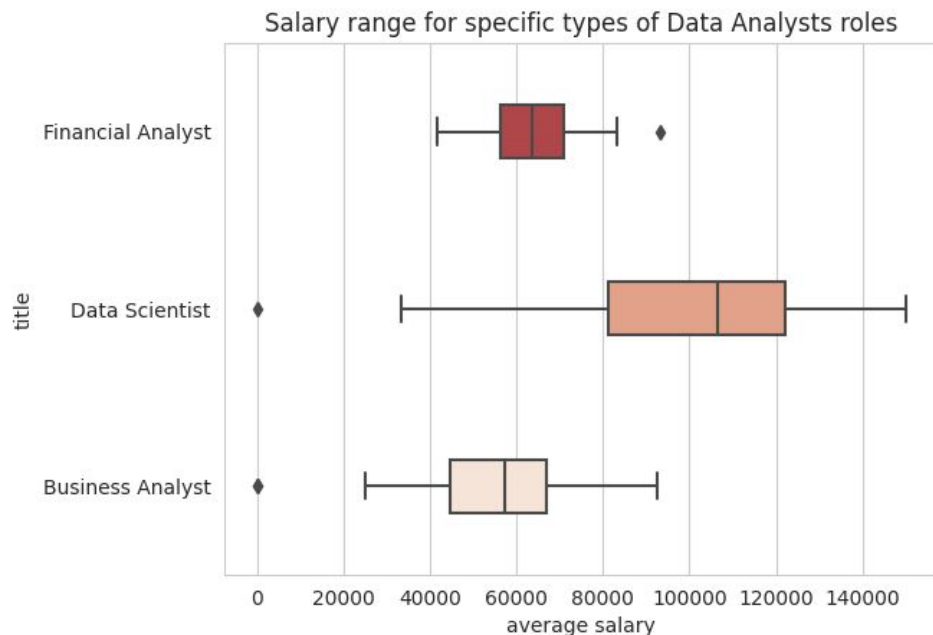
Data Visualization 1

- The dataset included columns for "max_salary", "min_salary", and "med_salary".

- Many values were NaN values that I had to replace with 0.

- I also changed the column type from object to int64 and created a new column which was the average of all 3 numbers for each job posting range.

- The bar chart showcases the average hourly salary for Data Analyst job postings in the data set by experience level.

Hourly salary for Data Analysts job postings by Experience Level
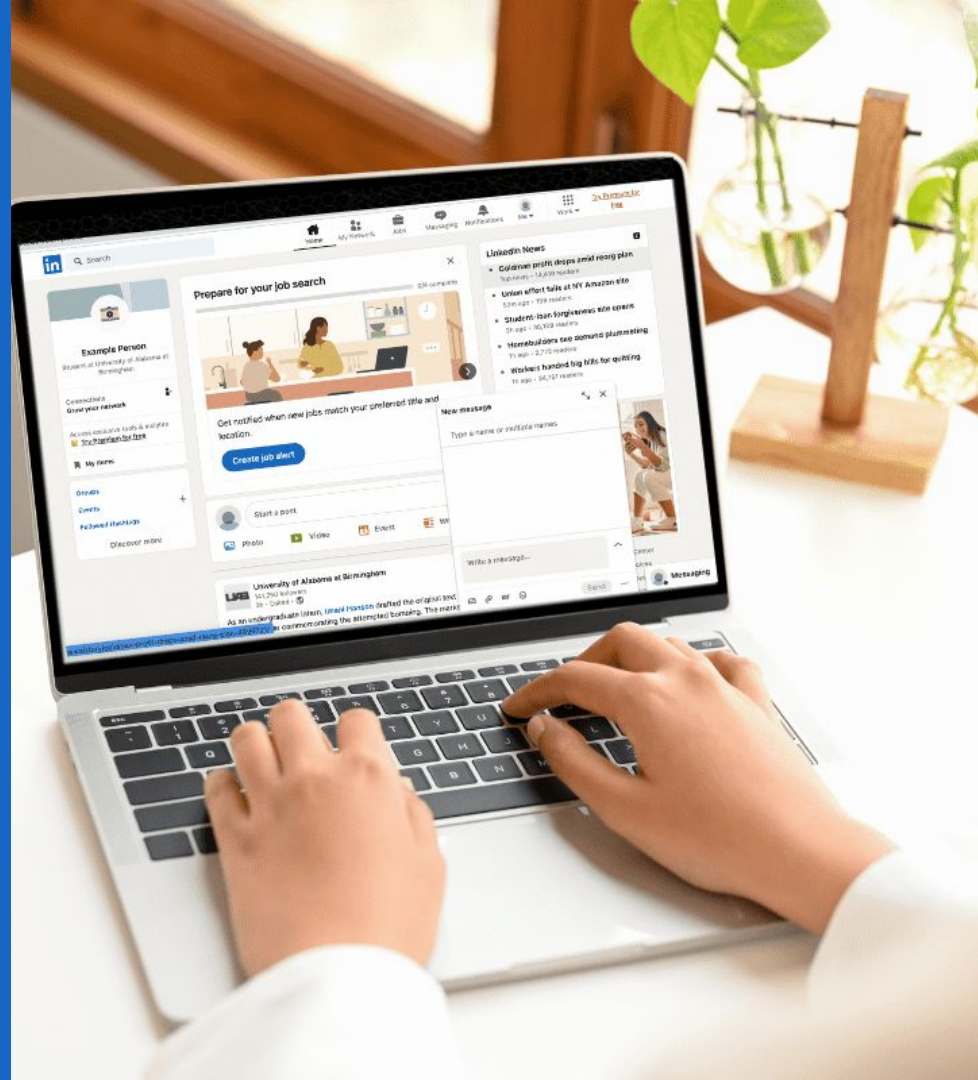
Data Visualization 2

- The dataset was then filtered for 3 specific types of Data Analyst roles: Financial Analysts, Data Scientists, and Business Analysts.

- The box plot chart showcases the average salary range for all job postings containing these roles in the title column.

- Data Scientists roles seem offer higher max salaries compared to Financial and Business Analyst roles.

- 66 posts for Data Analysts , 128 posts for Financial Analysts, and 201 posts for Business Analysts showcase Business Analysts are the most sought after between the 3 roles.

Salary range for specific types of Data Analysts roles

Additional Conclusions

- The dataset contained no column to indicate job postings by specific industries. Titles for job posting may not fully indicate the type of role it is so it impacts data results.

- Salary range data contained a lot NaN values. This could be because not all states have **pay transparency laws** in place so some job postings may exclude salary from the Linkedin post.

The End.