

## **Data Science Job Market Analysis Report**

**Title: “Trends and Skill Analysis in Data Science Job Postings”**

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**Internship Assessment:-** AI & Data Science

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### **1. Summary**

This report analyses the current trends of data science job postings, most in demand roles, top hiring companies, in-demand skills based on experience and skill trends such as Python, SQL, Machine Learning, etc

### **2. Data source and Tools used**

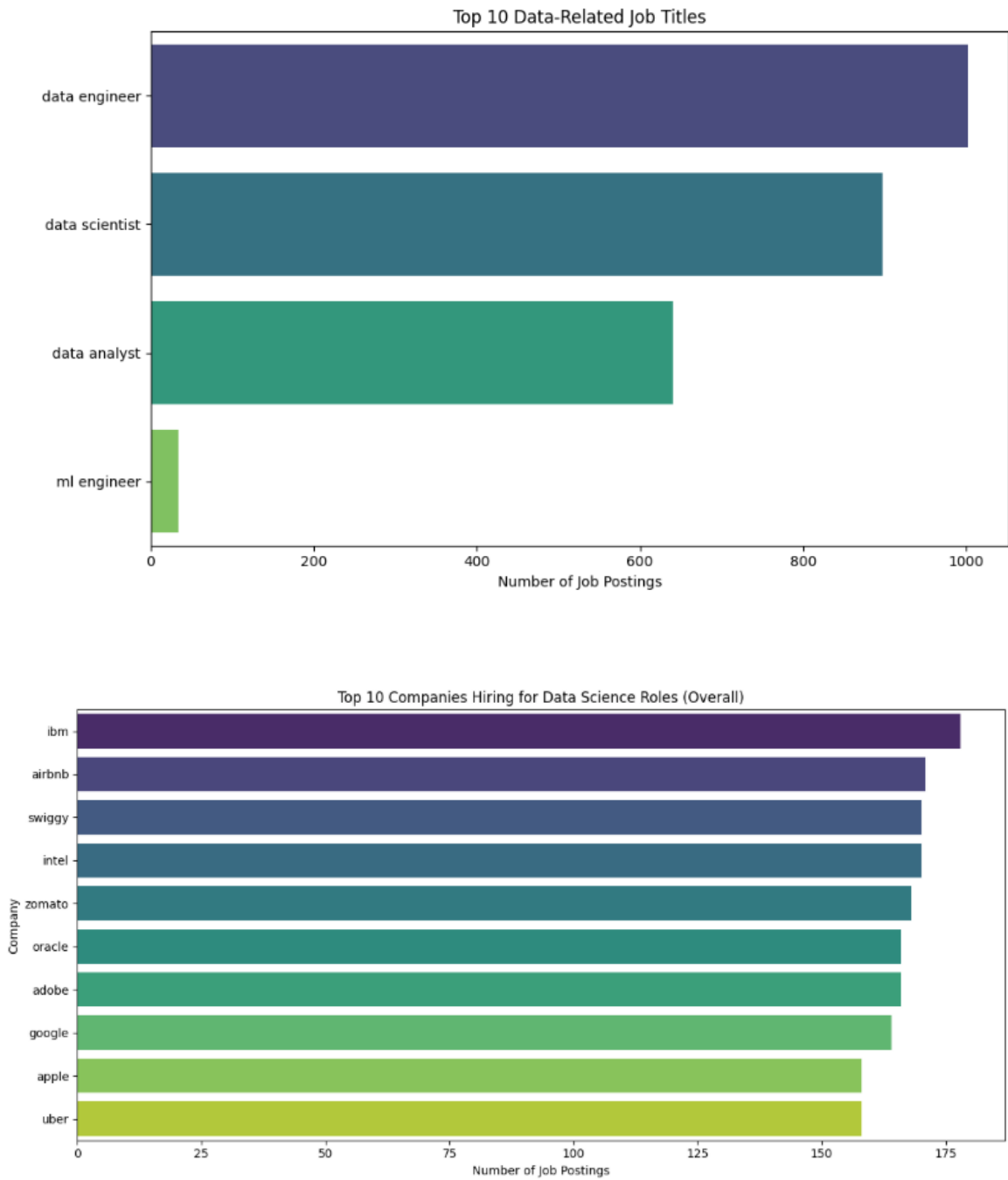
Data source (taken from Kaggle and cleaned for further analysis)

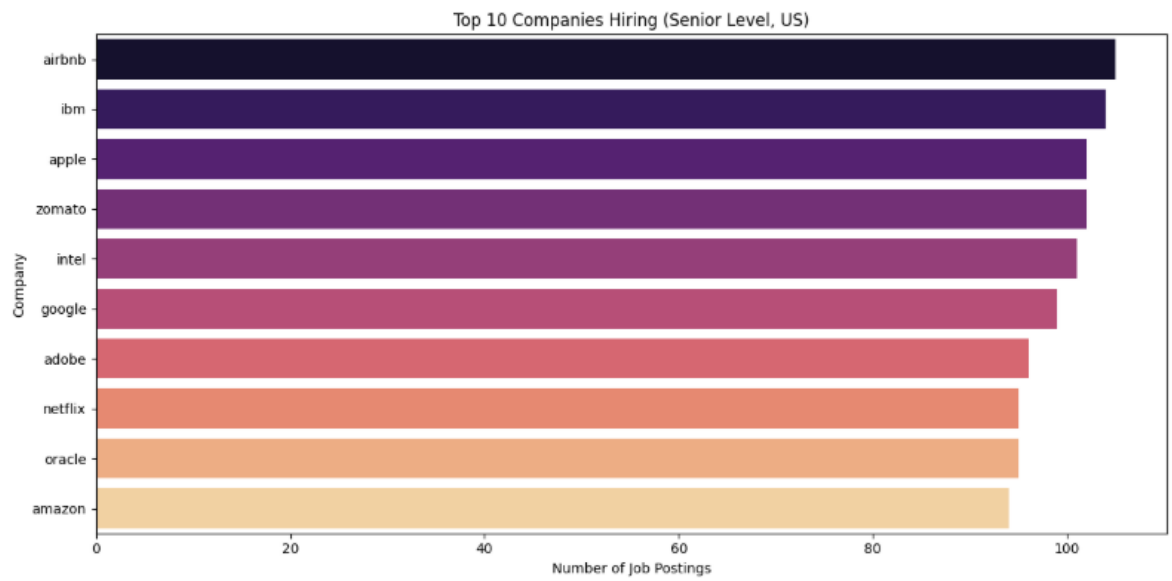
Tools used: - Python for analysis, Seaborn/Matplotlib for visualization, spacy for NLP)

### **3. Key Findings**

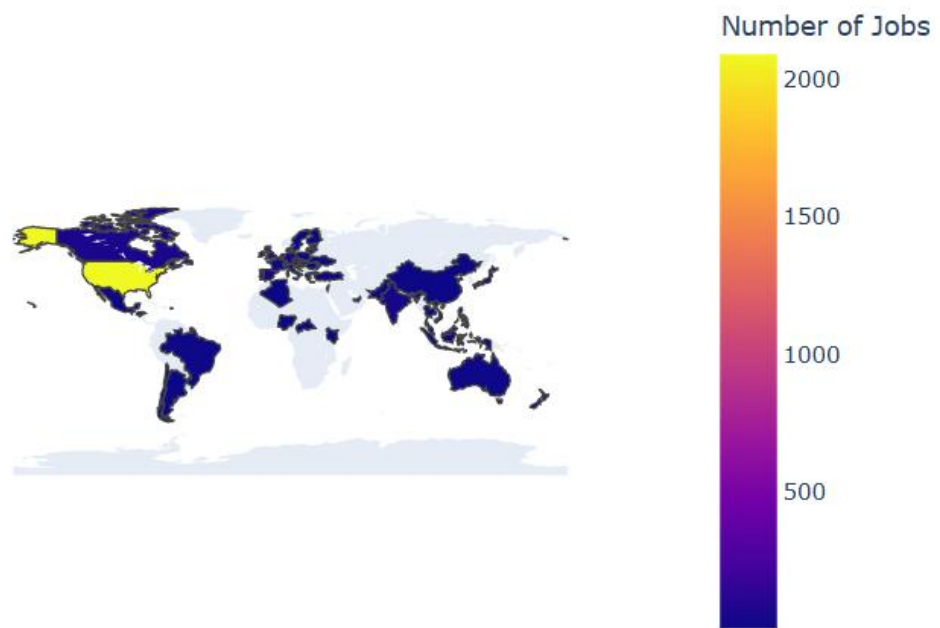
- Python and SQL is required in most of job postings
- Most in demand role is Data Analyst.
- In-Demand Skills are Python, SQL, Machine Learning
- USA leads in terms of job postings

#### 4. Visual insights

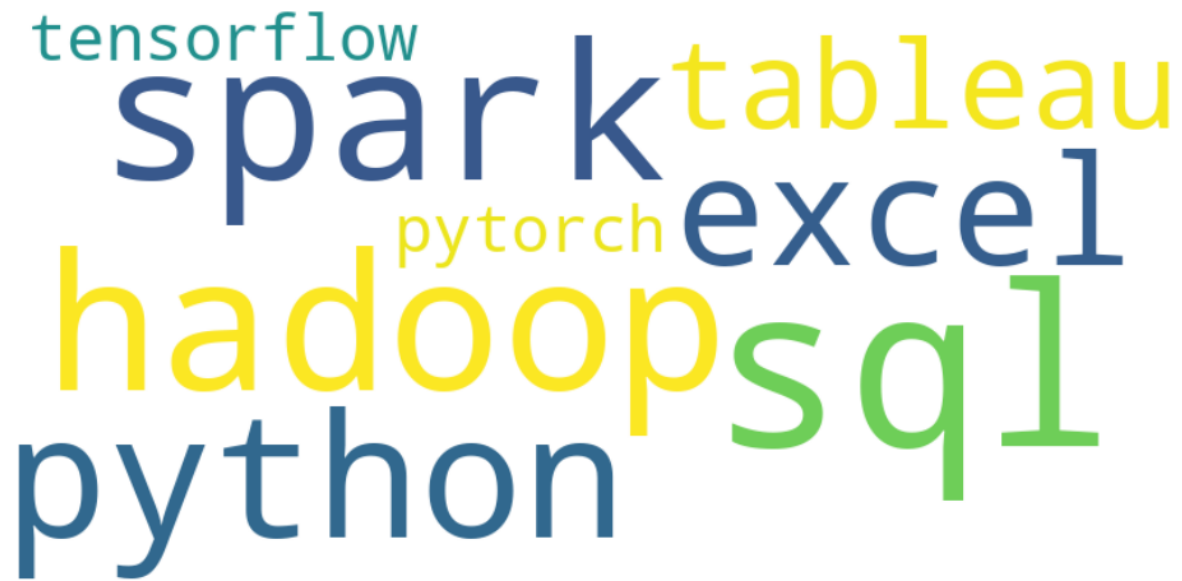




## Global Job Hubs for Data Science Roles



WordCloud of Technical Skills



### Conclusions

The visuals above shows that **Python, SQL, and Machine Learning** are essential for data jobs, while **cloud and AI skills** are important for senior roles.

It gives a clear view of the data science job market and helps students or job seekers focus on the most in-demand skills for their careers.