Data Science Job Status - Compiled Report

Who am I?

I am Riddhi Rajput, a third-year Computer Science student from Nirma University, Ahmedabad. I am passionate about business storytelling, data analytics and I love simplifying complex news into easy to understand articles and infographics.

Why did I make this report?

I did this analysis as a self-initiated project because I wanted to understand the data science job market in India at a deeper level. I analysed the 3400+ rows dataset from the Adzuna API, cleaned it, ran multiple analyses to derive meaning from the raw numbers and tried to draw parallels between the analysed data and the real job market of data science.
The goal is simple: to combine my analytical skills with my interest in data science to derive insights and facts.

Scope of this project?

In this analysis, I have tried to cover around 3400+ rows of data related to data science jobs.
I have tried to find various patterns in the raw numbers.
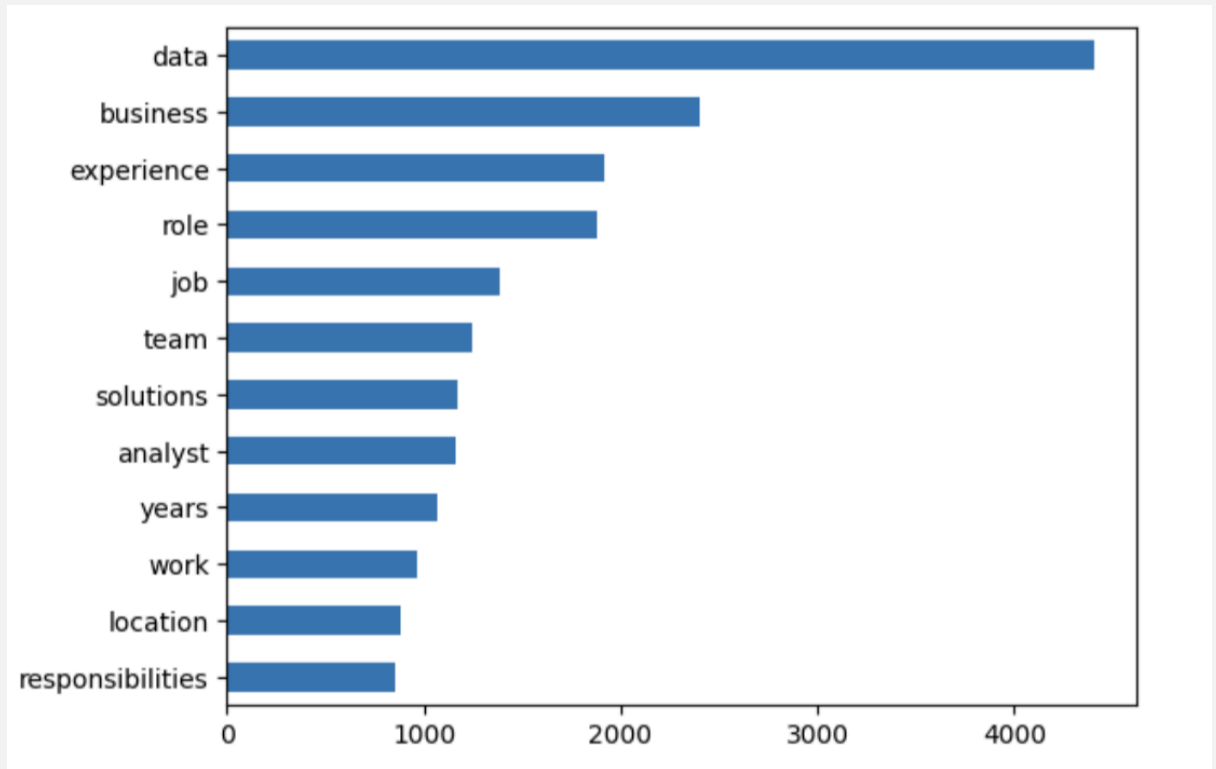
Introduction

This report provides a detailed analysis of the Data Science job market dataset (n=3400+ data points, 2019 - 2025). I analysed data on the basis of various attributes like job description, salary, location, company and category.

Dataset summary

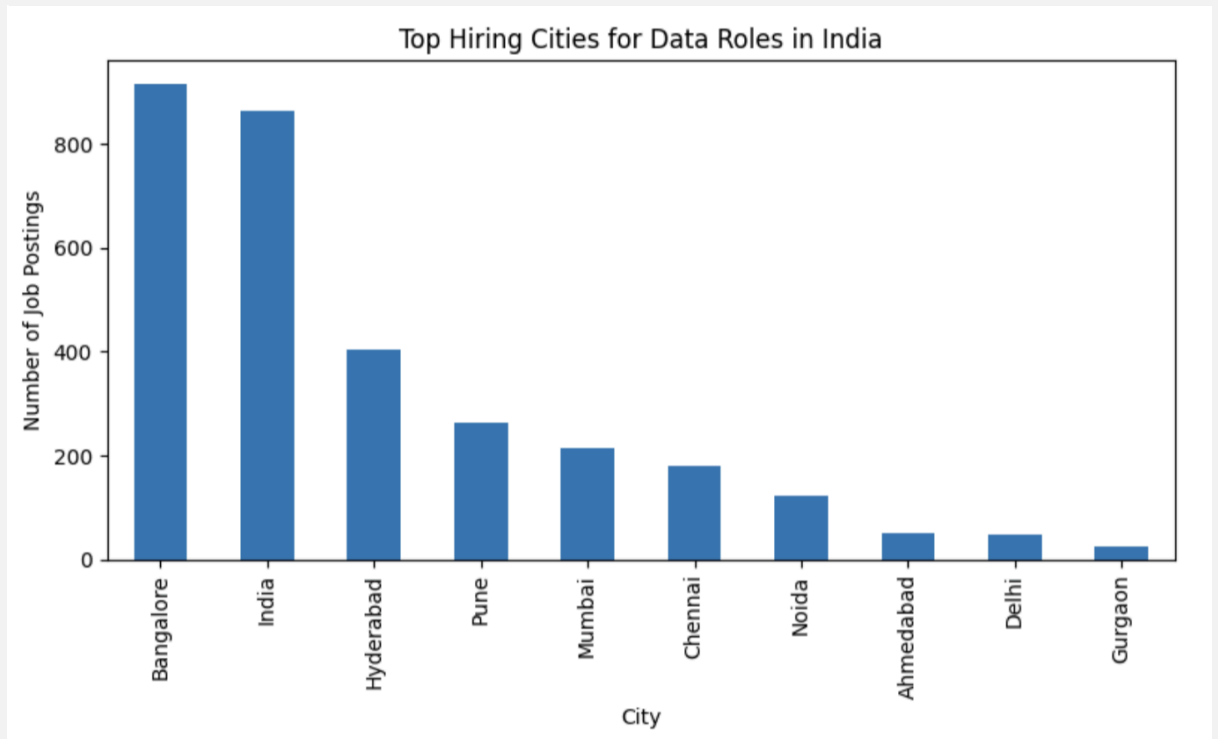|	
Number of data points	3481
Average job description word count	71.81 words
Number of different titles	4

Descriptive Statistics:

1) Most frequently used words in job descriptions
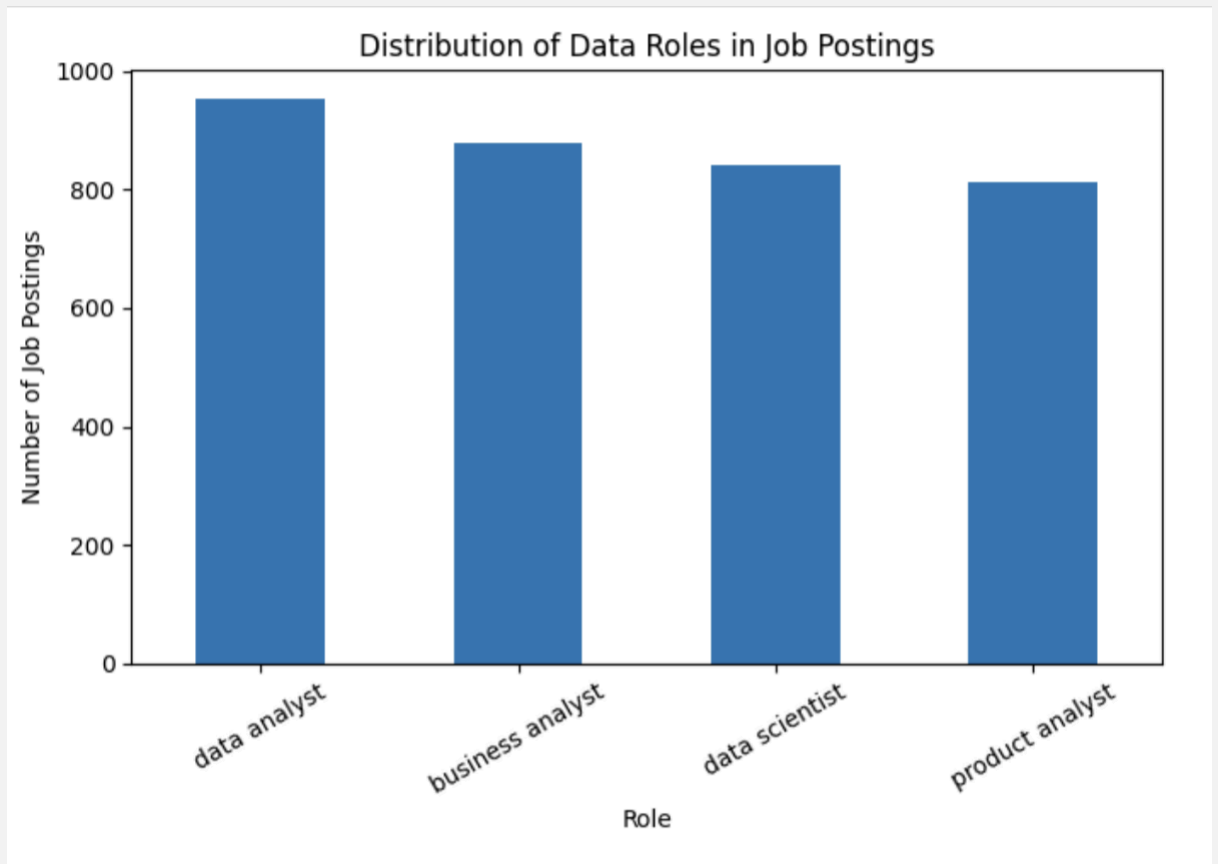

Most frequent words used in job descriptions are data, business and experience.

2) Top Hiring Cities for Data Roles in India
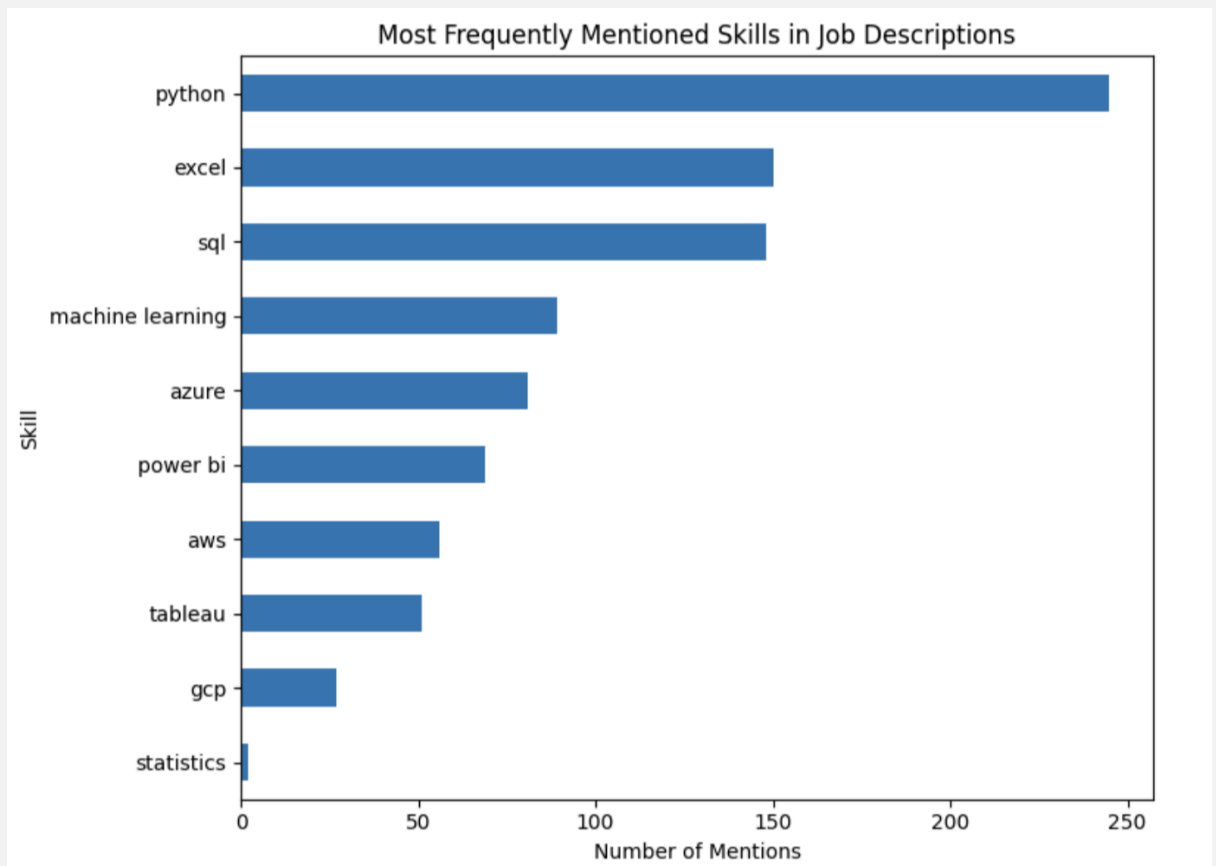

Top Hiring Cities for Data Roles in India

Bangalore followed by Hyderabad are the top hiring cities for data roles in India.
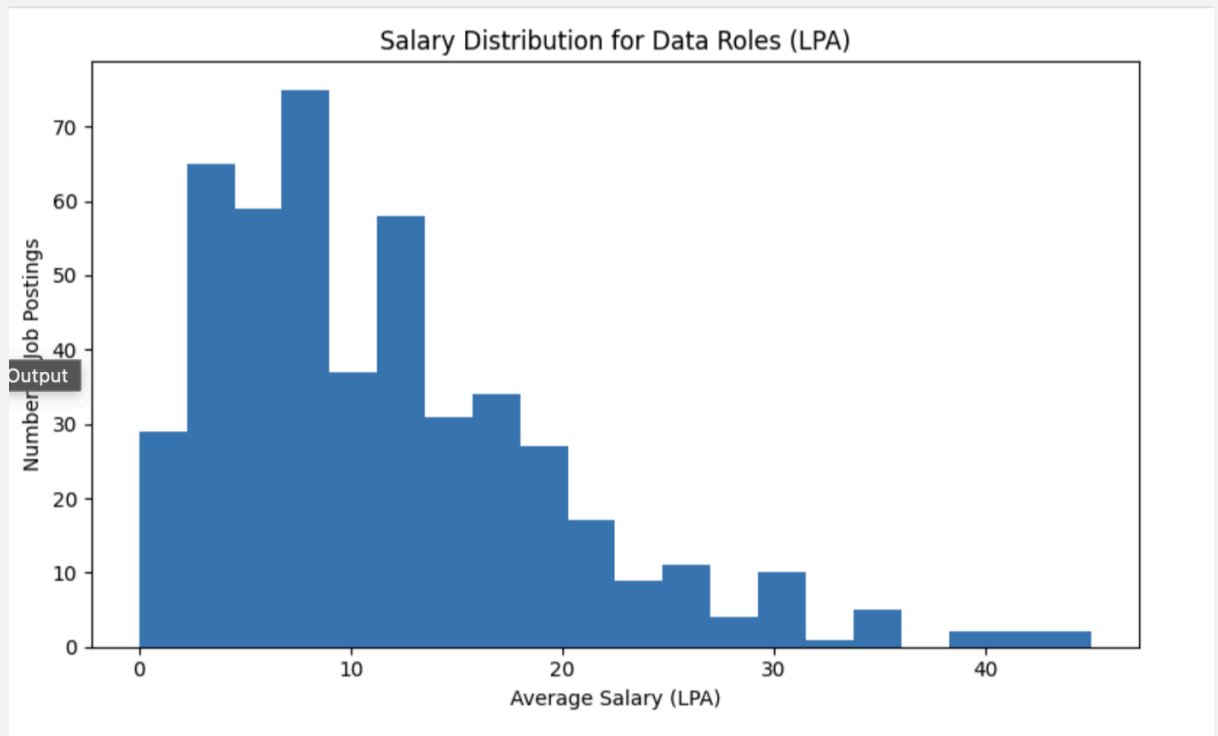
3) Distribution of Data Roles in Job Postings

All the roles are given equal importance in job postings.

4) Most frequently mentioned skills in job descriptions

Python followed by Excel followed by SQL are the most mentioned skills in job descriptions.

5) Salary distribution for data roles

Freshers in data roles have to settle for less salary.

1

HIRING TRENDS ACROSS CITIES IN INDIA

Bangalore followed by Hyderabad show highest hiring trends.

2

SUMMARY BASED ON JOB ROLE DESCRIPTIONS

Most job postings are related to Data Analyst followed by Business Analyst.

3

FREQUENTLY MENTIONED SKILLS IN JOB DESCRIPTIONS

Most frequently mentioned skill in job description is Python followed by Excel and SQL.
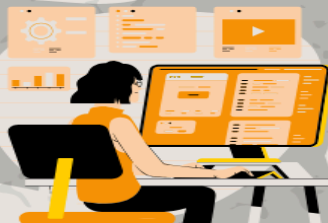
4

SALARY DISTRIBUTION FOR DATA ROLES

Higher salary bracket requires more experience and skills.

5

MOST USED WORDS IN DESCRIPTION

Data, business and experience are the most commonly used words in the job descriptions.

Link to my Github Repository (Data + Code + Notebooks) :

https://github.com/riddhi-rajput/Data_Science_Jobs_in_India

Contact Details

Name: Riddhi Vishnukumar Rajput
Contact Number: 6355370442
Email ID: rajputriddhi825@gmail.com

Thank You