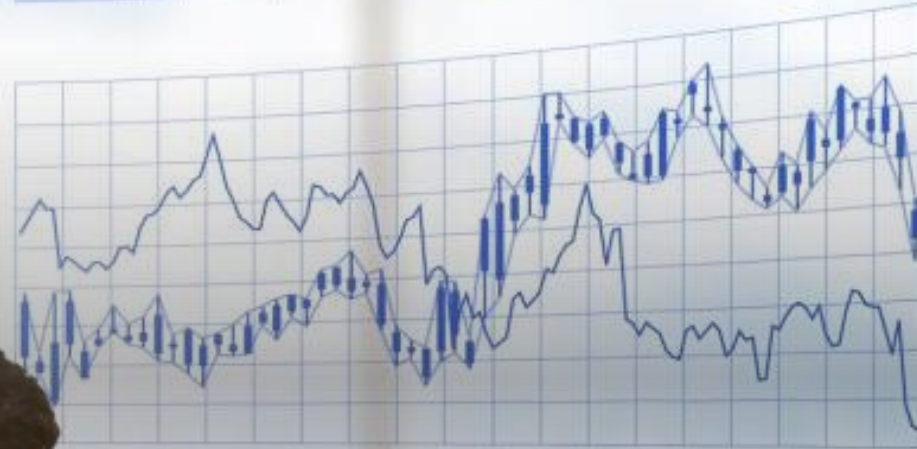


# DATA ANALYST JOBS



CTMX	0.45	▲	+0.45%
FTR	-0.23	▼	-2.34%
CSCO	-1.01	▼	-1.89%
CHK	0.02	▲	
AAPL	+2		
PRTG			
AMZN			
TSLA			
AVGO			
SIRI	-0.65		





# OUTLINE

1. Executive Summary
2. Introduction
3. Methodology
4. Result
5. Discussion
6. Conclusion



# 1.EXECUTIVE SUMMARY

Overview of Data Analyst Jobs. So that more people in need can find a suitable job.







## 2.INTRODUCTION

- Identify the most recruited position in the job advertisements.
- Identify the most industries or sectors for Data Analyst Job Openings.
- Identify top cities with the highest number of Data Analyst Job Openings.



# 3.METHODOLOGY

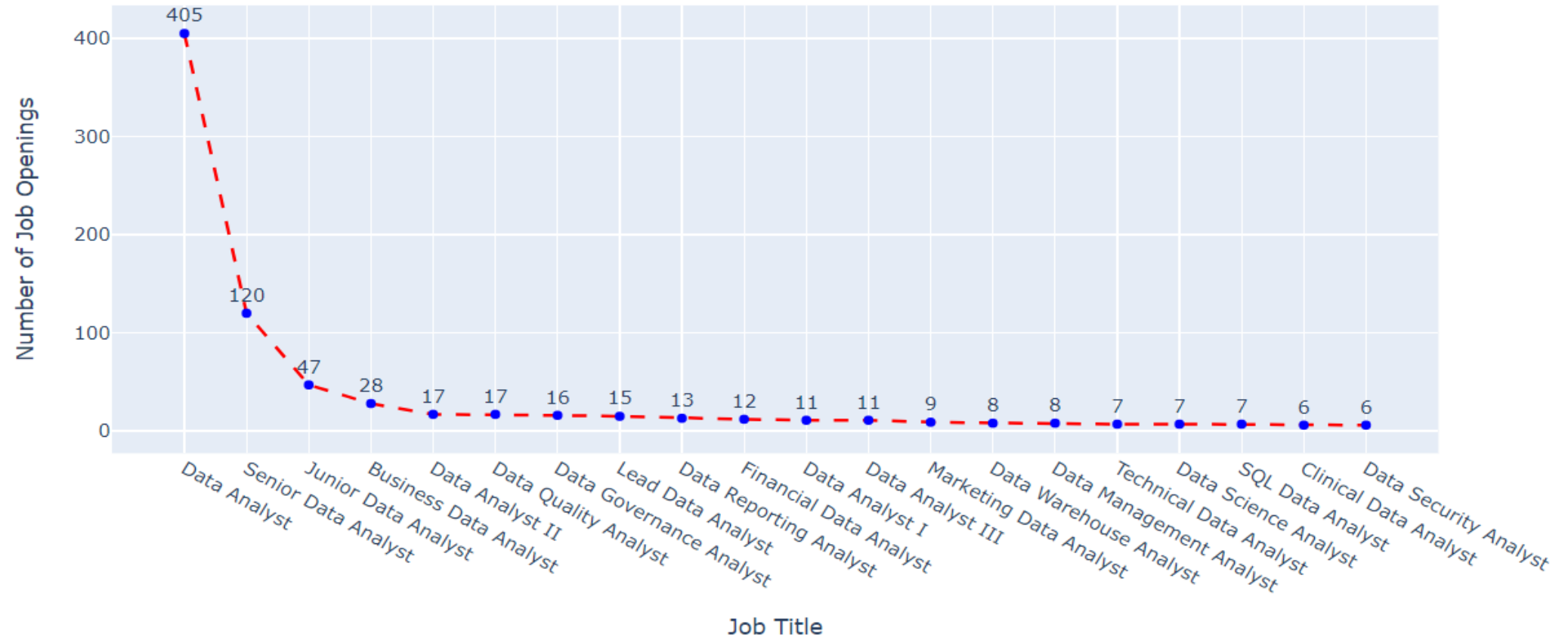
- Data Collection
  - + Collecting Data from Kaggle.
- Data Wrangling
  - + Checking for data types, null values and duplicate values.
  - + Replace values.
  - + Adding necessary columns.
  - + Create new DataFrame
- Exploratory Data Analysis
  - + Analyze, explore data (using Plotly)



# 4. RESULT

	Job Title	Company Name	Location	Industry	Sector	SalaryMin	SalaryMax	SalaryAverage	SQL_Job	Python_Job	Excel_Job	PowerBI_Job	Tableau_Job
0	Data Analyst, Center on Immigration and Justice...	Vera Institute of Justice	New York	Social Assistance	Non-Profit	37.0	66.0	51.5	True	True	False	False	False
1	Quality Data Analyst	Visiting Nurse Service of New York	New York	Health Care Services & Hospitals	Health Care	37.0	66.0	51.5	True	False	True	False	False
2	Senior Data Analyst, Insights & Analytics Team...	Squarespace	New York	Internet	Information Technology	37.0	66.0	51.5	True	True	True	False	False
3	Data Analyst	Celerity	New York	IT Services	Information Technology	37.0	66.0	51.5	True	False	False	False	False
4	Reporting Data Analyst	FanDuel	New York	Sports & Recreation	Arts, Entertainment & Recreation	37.0	66.0	51.5	True	True	True	False	False

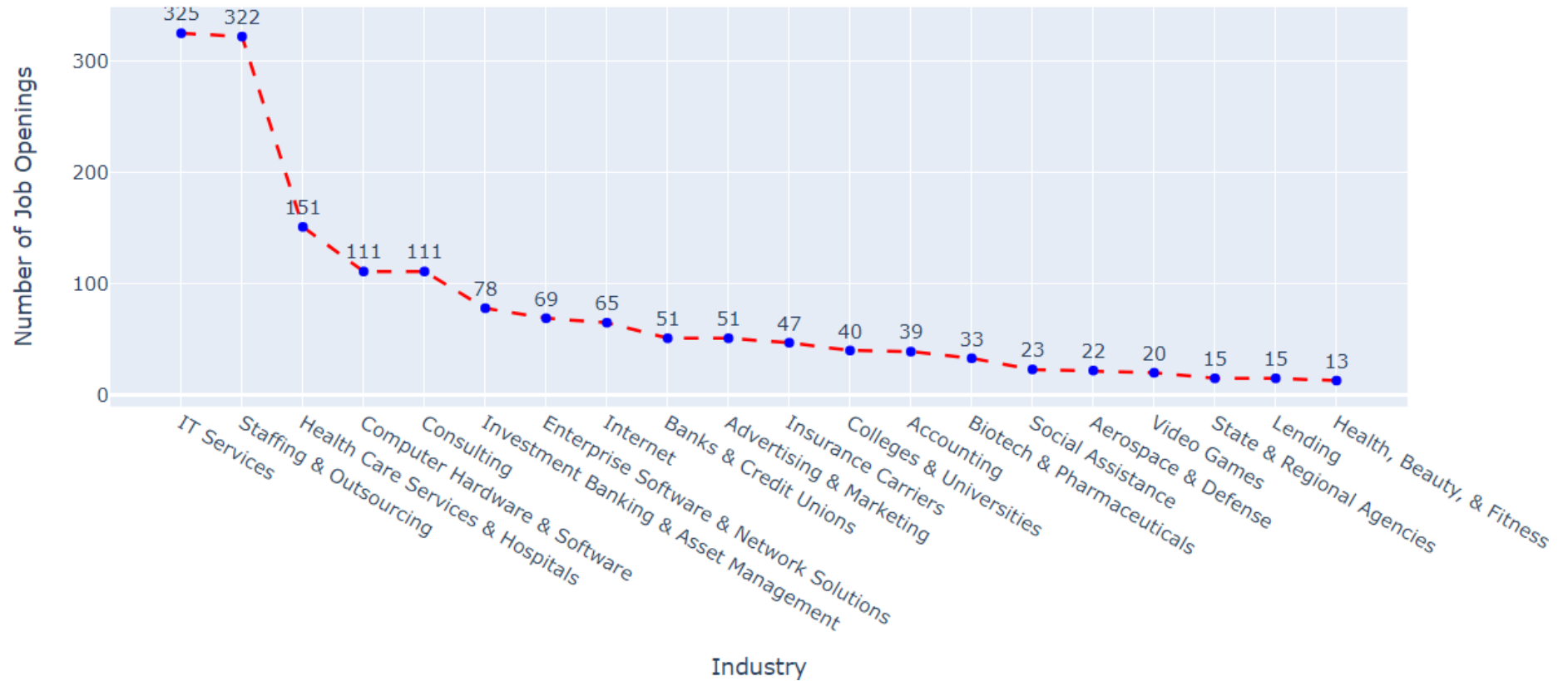
Total Number of Job Openings by Job Titles



As shown in this chart:

- **Data Analyst**
- **Senior Data Analyst**
- **Junior Data Analyst** are the most recruited position in the job advertisements.

Total Number of Job Openings by Industry

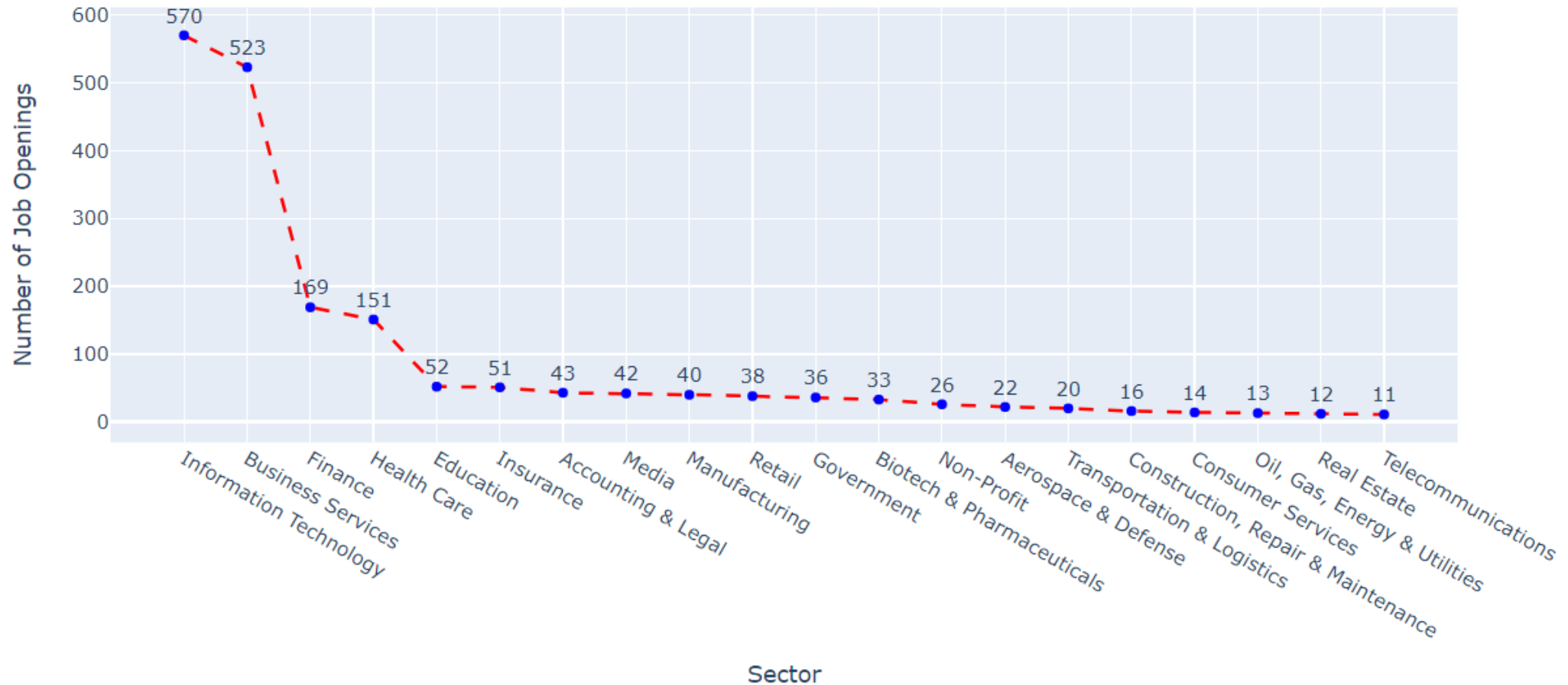


As shown in this chart:

- **IT Services.**
- **Staffing & Outsourcing.**
- **Health Care Services & Hospitals.**
- **Consulting.**
- **Computer Hardware & Software** are the most industries for data analyst job



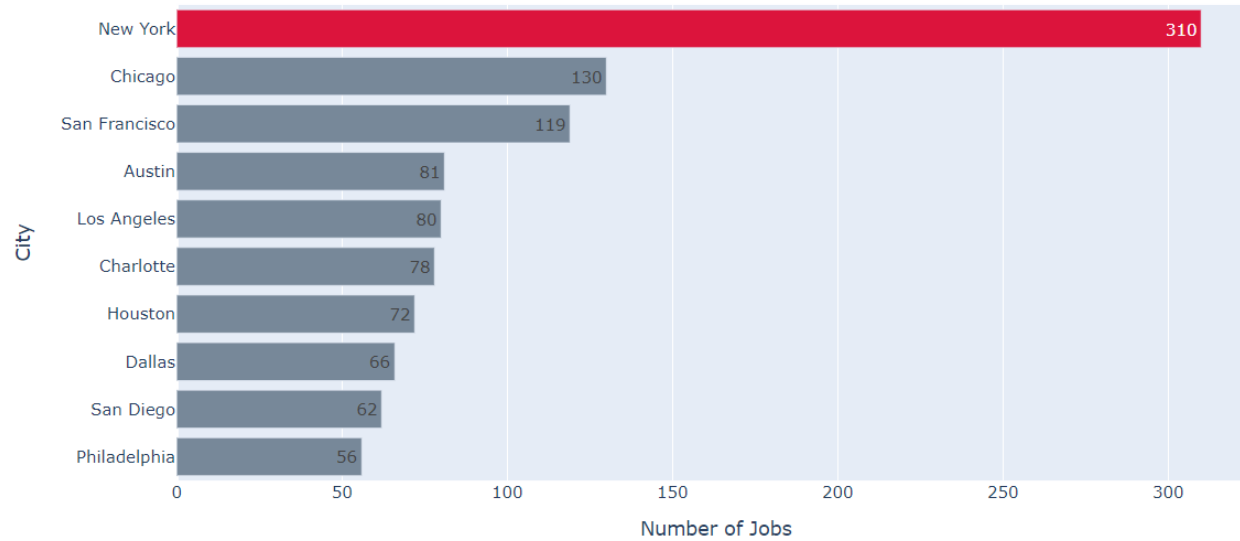
Total Number of Job Openings by Sector



As shown in this chart:

- **Information Technology.**
- **Business Services.**
- **Finance.**
- **Health Care** are the most sectors for data analyst job opening.

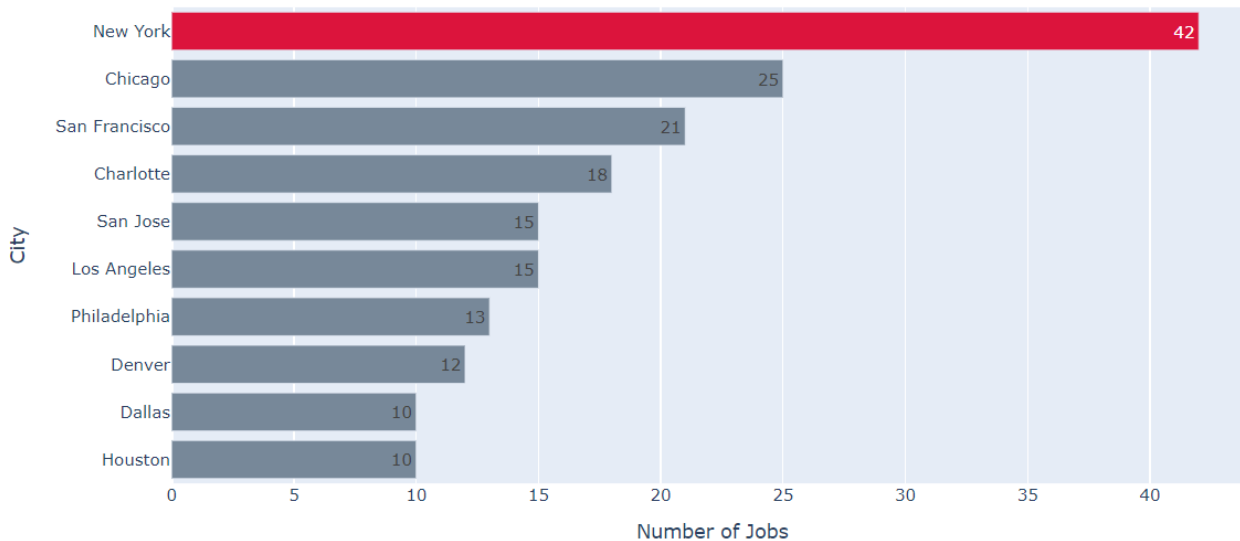
Top 10 Cities with The Highest Number of all Data Analyst Jobs



As shown in this chart, top 3 cities with the highest number of Data Analyst Jobs Openings:

- **New York.**
- **Chicago.**
- **San Francisco.**

Top 10 Cities with The Highest Number of Data Analyst



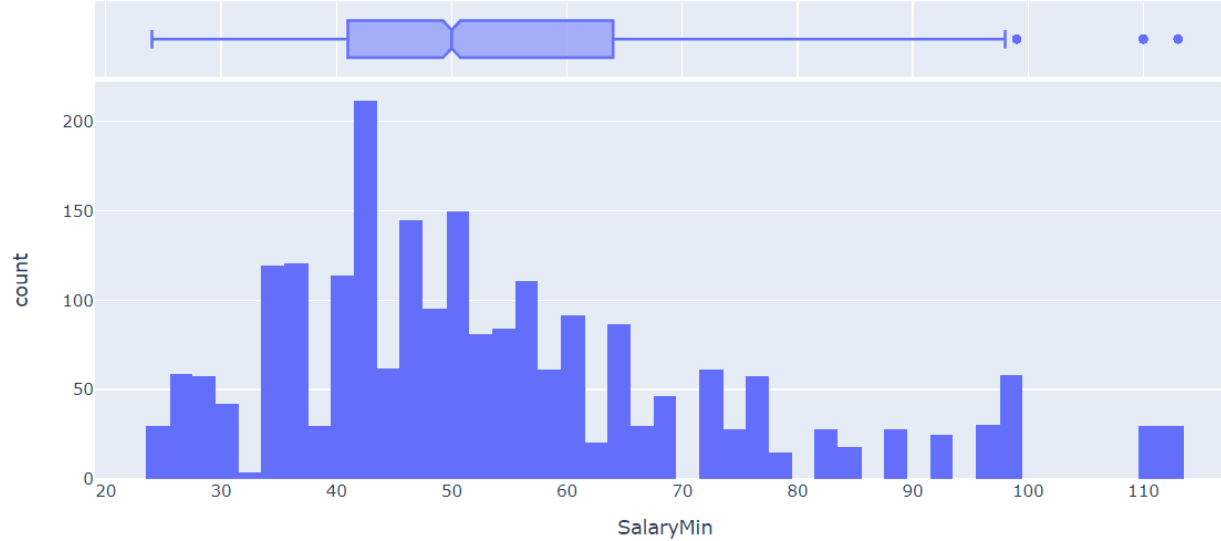


## 5. DISCUSSION

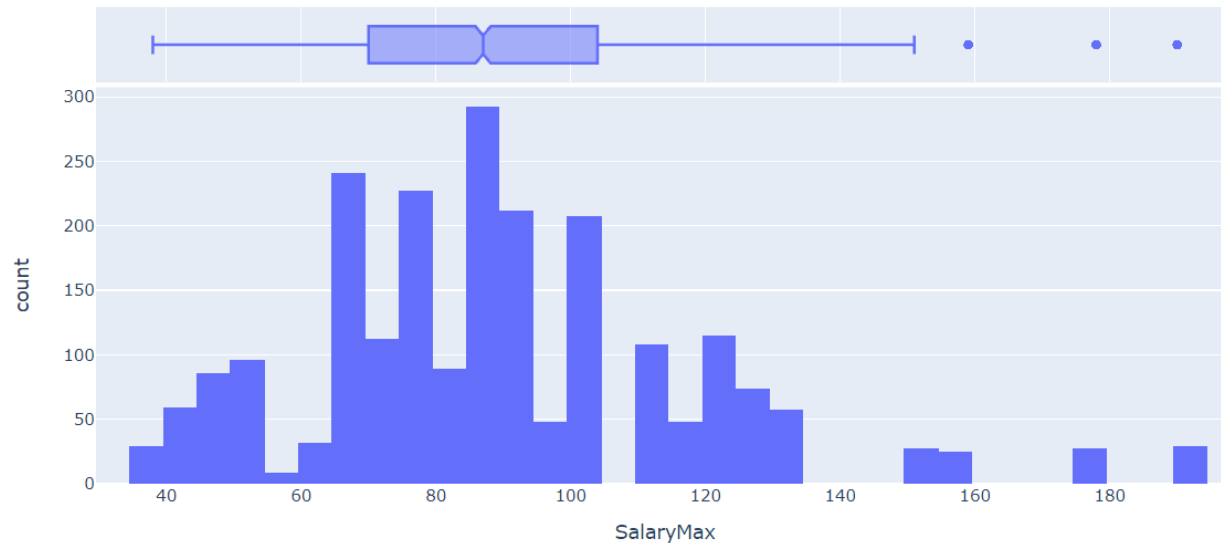
- Determine salary range for some Data Analyst Jobs in United States.
- What technical skills are required in this field?



Minimum Salary of all Data Analyst Jobs



Maximum Salary of Data Analyst Jobs

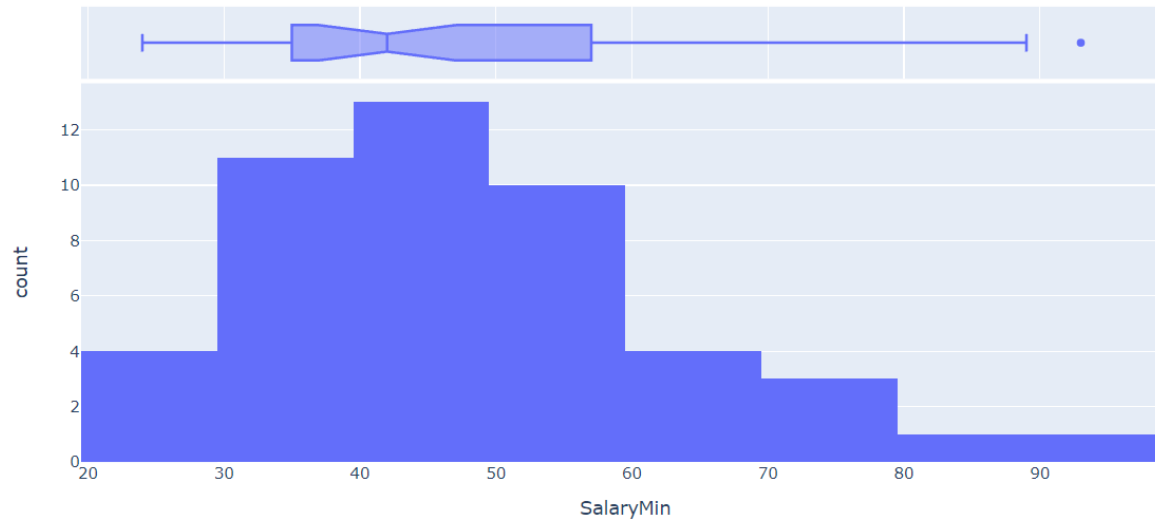


## ALL DATA ANALYST JOBS

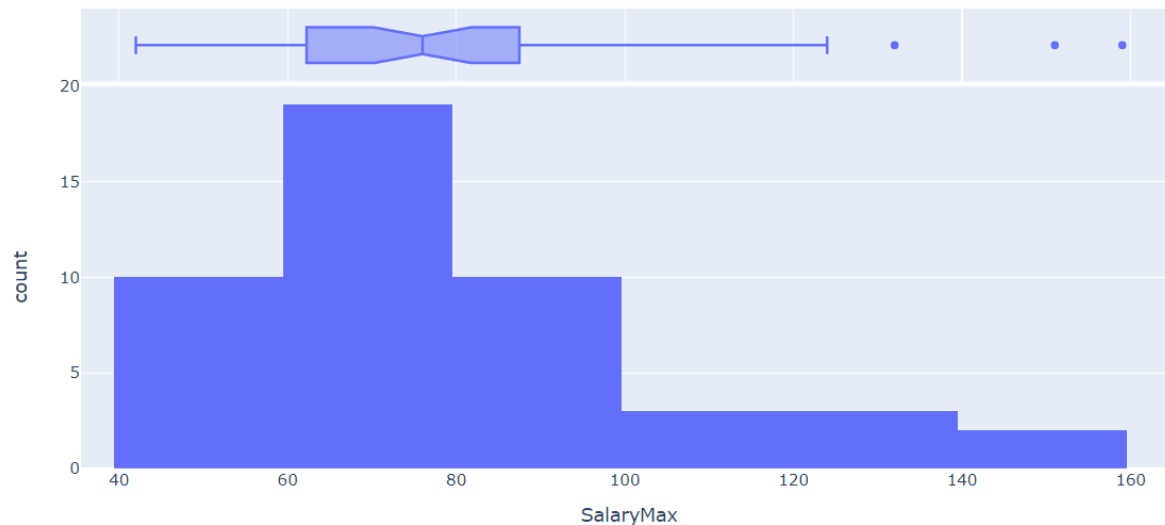
- **Minimum salary** for all data analyst jobs is an average between **40-65K**.
- **Maximum salary** for all data analyst jobs is an average between **70-105K**.
- **Average salary** for all data analyst jobs is an average between **60-80K**.



Minimum Salary of Junior Data Analyst



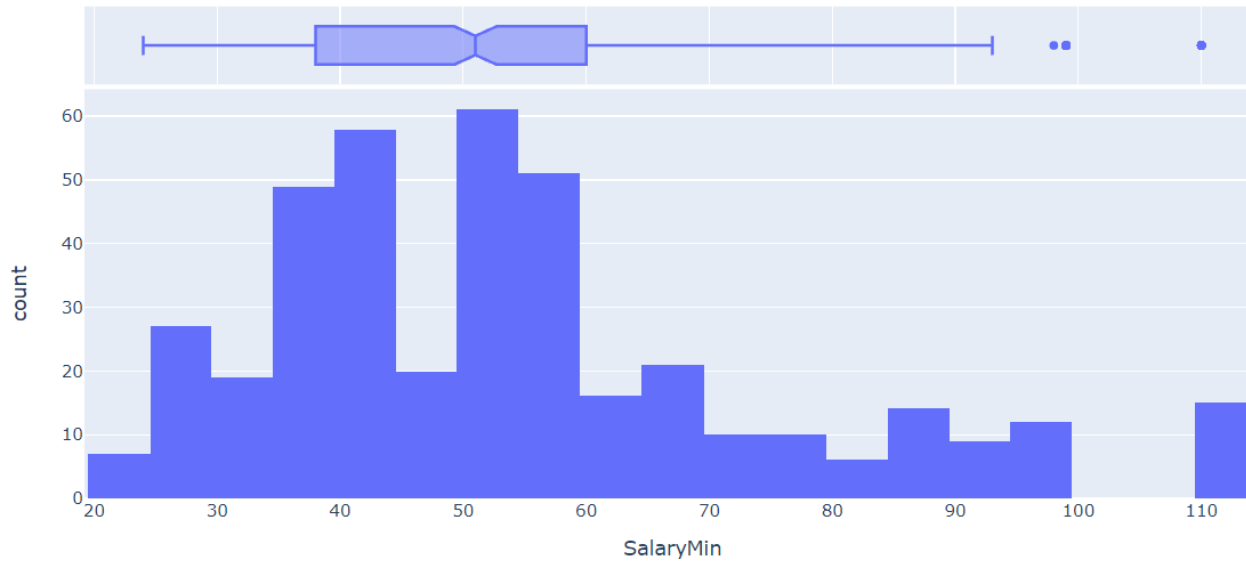
Maximum Salary of Junior Data Analyst



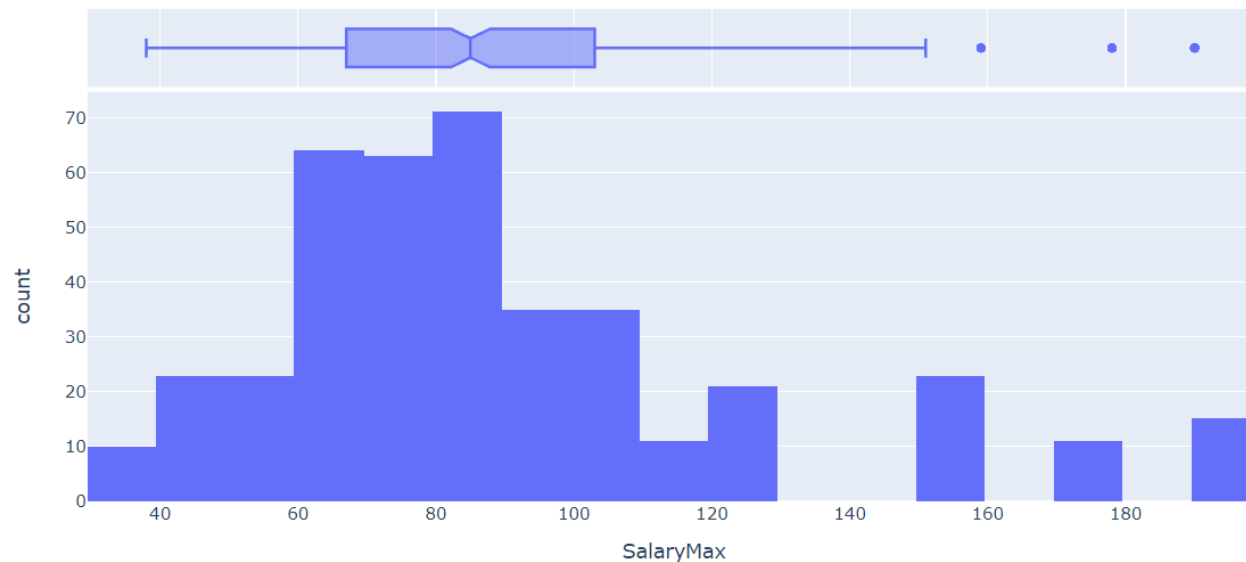
## JUNIOR DATA ANALYST JOBS

- **Minimum salary** for Junior Data Analyst jobs is an average between **35-60K**.
- **Maximum salary** for Junior Data Analyst jobs is an average between **60-90K**.
- **Average salary** for Junior Data Analyst jobs is an average between **50-70K**.

Minimum Salary of Data Analyst



Maximum Salary of Data Analyst

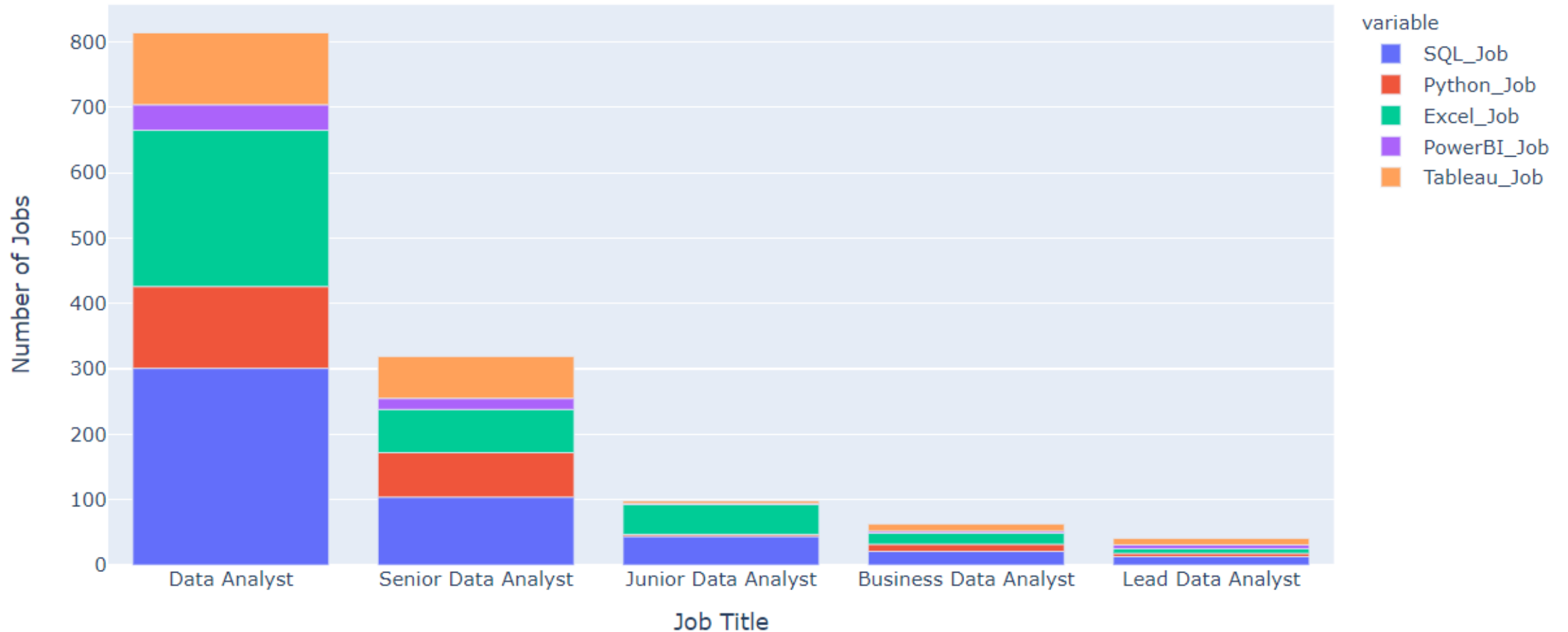


## DATA ANALYST JOBS

- **Minimum salary** for Data Analyst jobs is an average between **40-60K**.
- **Maximum salary** for Data Analyst jobs is an average between **67-105K**.
- **Average salary** for Data Analyst jobs is an average between **55-80K**.



Technical Skills by Job Title



Based on this chart, to be a Data Analyst, **SQL and Excel** are the two most important technical skills, followed by Python, Tableau and Power Bi.

## 6. CONCLUSION

- During the pandemic, many people lost their jobs. For people who want to step into the data field, Data Analyst is a good choice.
- To be a Junior Data Analyst, **SQL and Excel** are the two most important technical skills. Experience in using programming languages such as Python or R, Power Bi, Tableau is an advantage.

