

# Analysis of the Data Analyst Job Market

## Key Goals

- \*Quantify and understand the current data analyst job market in terms of salary, job expectations, and offered benefits
- \*Equip employees and employers with data on current market conditions, with which they can more confidently negotiate

# Data Background

## Data Sources

\*Data for this analysis comes from both Indeed.com job postings, and an online database containing HB1 Visa Filings.

\*Indeed job posting data is useful for its job descriptions, salary ranges, and offered benefits, while H1B Visa Filings offer more robust salary and location data.

## Data Collection

\*Data is collected using Python web scrappers; each source requiring a different build to navigate the specific challenges posed by each website.

\*An html request is sufficient for the HB1 Visa Filings Database, while a web driver is need to traverse individual job postings of Indeed.

# Understanding the Data

## Original Indeed Data

job_index	job_type	job_details	hiring_ins	benefits	full_desc
942	Full Time	Job details Salary \$35 - \$40 an hour Job Type Full-time Part-time	Hiring Insights Application response rate: 51% Hiring 1 candidate for this role Job activity Posted 1 day ago	Flexible schedule	Description The Business Analyst – Software Development is an important role in our development and Agile transformation services for clients. As we work with enterprise clients across a wide range of development, data and integration projects, we find client stakeholders are not often equipped to function as true product owners within the Agile

## Original HB1 Visa Filing Data

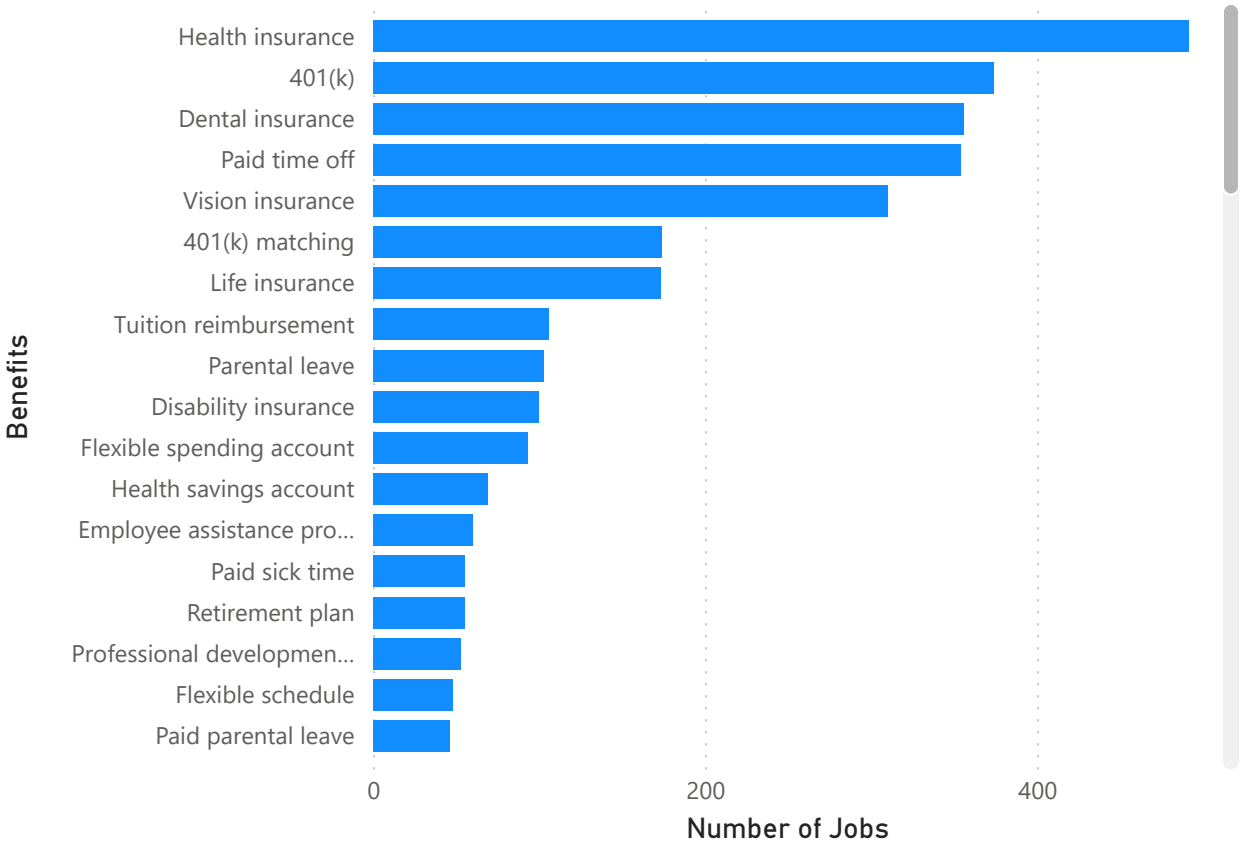
index	EMPLOYER	JOB TITLE	BASE SALARY	LOCATION
847	ALREACH CORPORATION	DATA ANALYST	81390	4640 ADMIRALTY WAY, 5TH FL, CA
1136	CENSIA INC	DATA ANALYST	93725	ADDISON, TX
1571	META PLATFORMS INC	DATA ANALYST	131000	ADDISON, TX
411	THE GOODYEAR TIRE & RUBBER COMPANY	DATA ANALYST	66477	AKRON, OH
86	LTS ASSOCIATE INC	DATA ANALYST	75900	ALAMEDA, CA

# Indeed Job Postings Textual Analysis

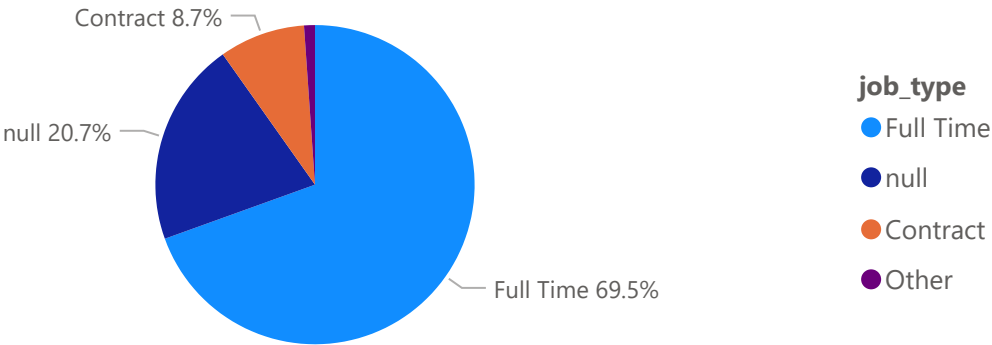
Number of Data Analyst Jobs

1000

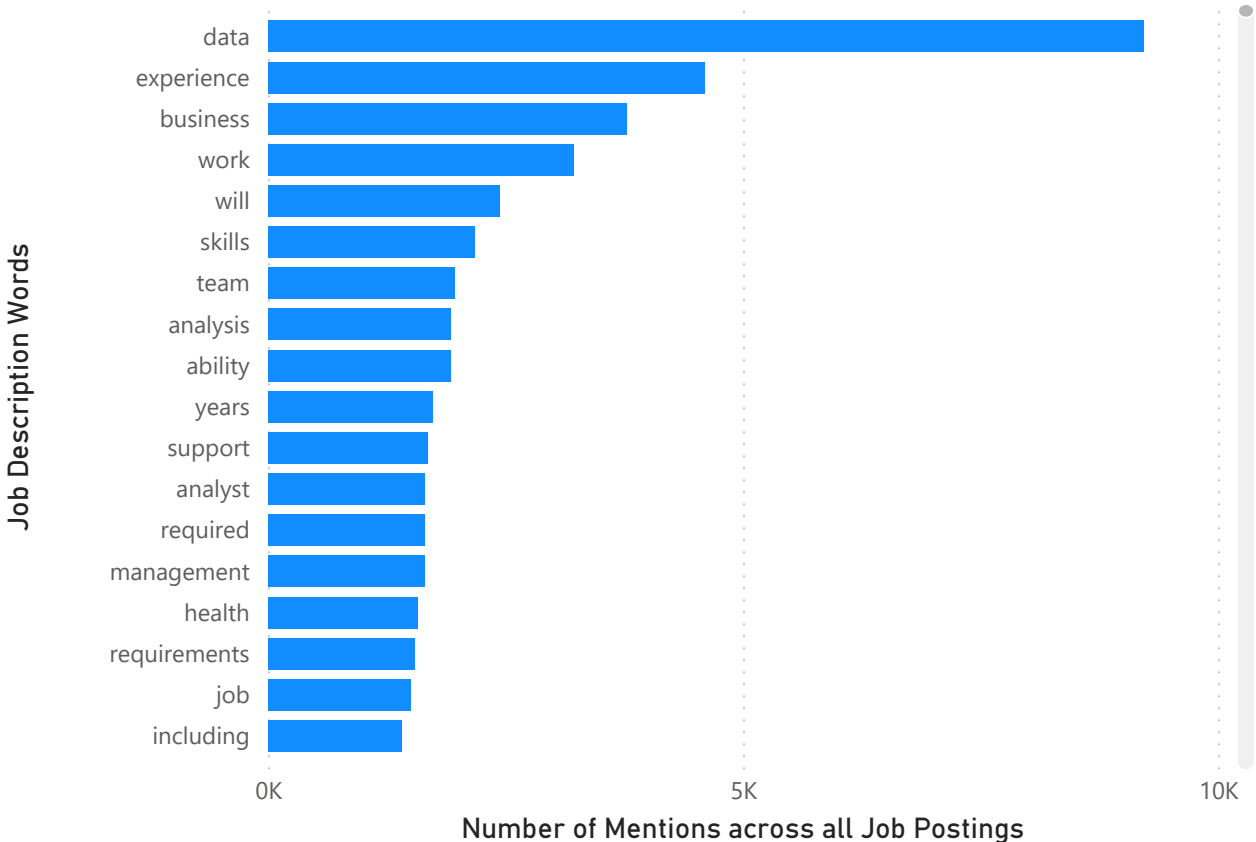
Number of Jobs by Benefit Mention



Job Type as a Fraction of Total Jobs

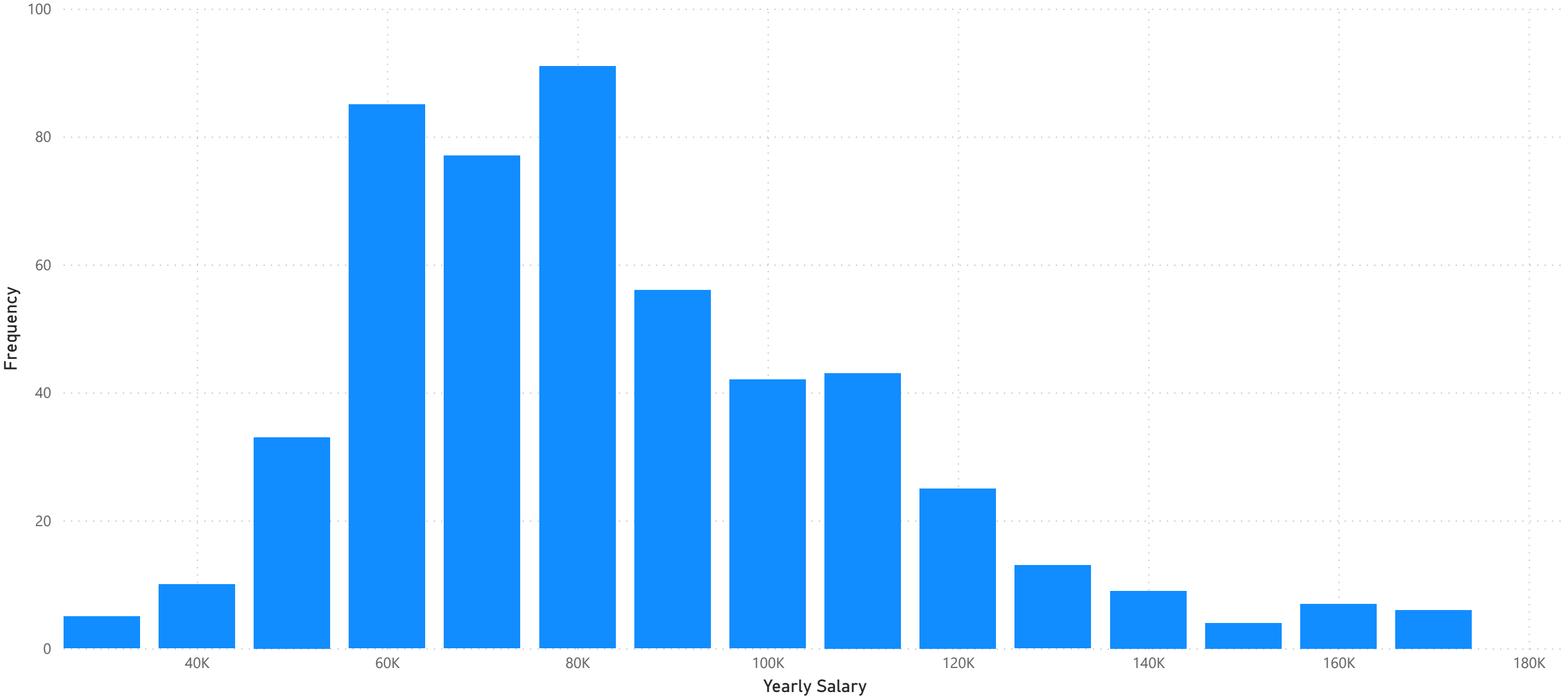


Job Description Word Frequency across all Job Postings



# Salary Frequency of Indeed Job Postings

Salary Frequency across all Job Postings



# Salary Frequency in HB1 Visa Filings

Number of Jobs  
**1644**

Salary Frequency Across all Visa Filings

