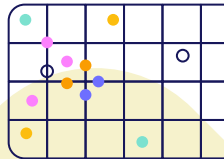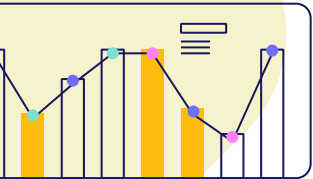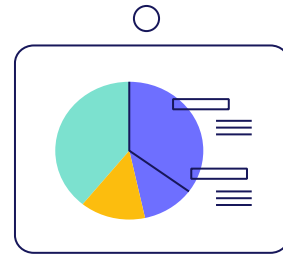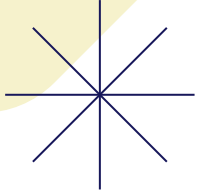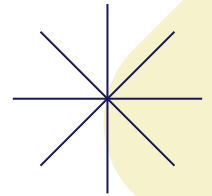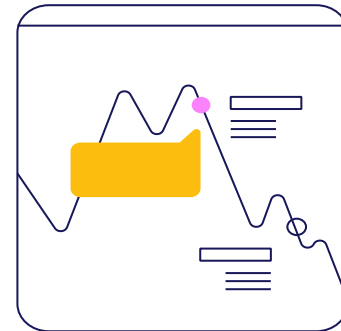# Careers and Prospects for Data Professionals

Presented by:

Makonnen Ramsey

Kinjal Sakhida
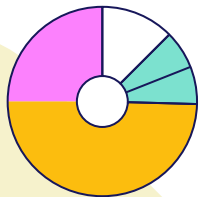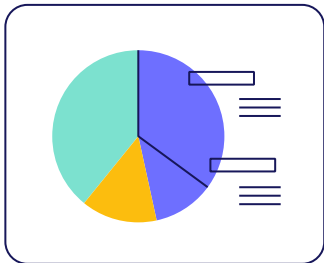
Adrian Bayemi

Kristin Bell

Introduction

It is safe to assume that everyone enlisted in this bootcamp has noticed the increasing influence that data collection, data analysis and data interpretation is having on our daily lives. The reason why we are all here is so that we can be a part of this ever-growing field.

We have seen, throughout this course, that many different industries utilize data professionals to assist with research and development, marketing, finance, database administration and so many more aspects of their business. Learning the tools, programs and tactics to become a data professional, and an asset to employers, is why we are all here.

Because of this, we wanted to take a deep dive into this career landscape analyzing how the factors of time, location, experience level and job title are impacting the salaries you can anticipate when entering this particular job market.

About our Dataset

Our data was sourced from **aijobs.net,** which collects salary information anonymously from professionals and employers all over the world. It is updated on a weekly basis.

We worked with data collected between 2020 and 2024 which had information from 80 different countries.

Key questions

What does the data professional job landscape look like?

- Which titles are the most popular?
- Where are most Data Professionals employed globally?

What salary trends can we Identify?

- What does the global salary distribution look like for this dataset?
- How has salary changed over time within the Data Industry?
- Which titles have the highest average salary?
- Which company size provides the highest average salary and what does the salary distribution look like for each company size?
- Which company location reports the highest average salary and what does the salary distribution look like for each group?
- Which experience level has the highest average salary and what does the salary distribution look like for each group?
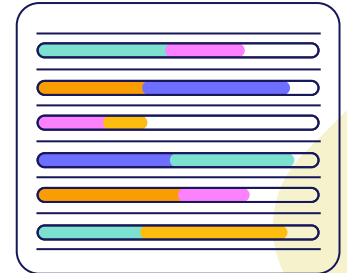- Which remote ratio has the highest average salary and what does the salary distribution look like for each group?
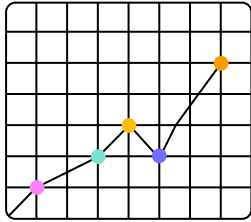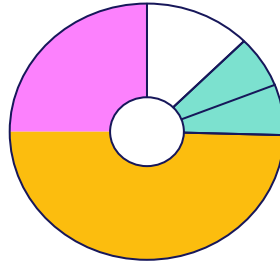
Tools utilized

- Pandas
- Requests/JSON
- Hvplots
- Matplotlib
- Plotly
- Seaborn
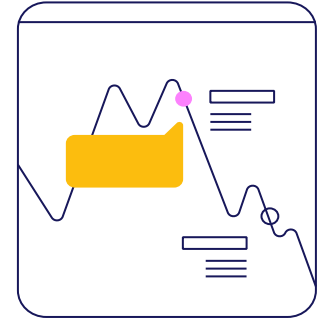- Panel
- Geoapaify API, etc.
- JavaScript
- HTML

A few standout statistics

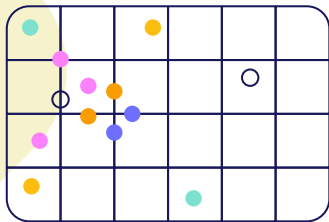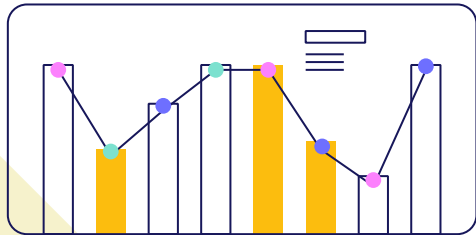The amount of entries collected increased from **75** entries in 2020 to **21,733** entries in 2024.

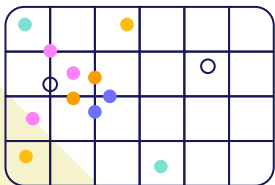Average salary within the data industry has increased from ~$103,000 in 2020 to ~$160,000 in 2024.

The average salary within the entire dataset was $156,645.65. The maximum and minimum salaries within the dataset were $800,000.00 and $15,000.00 respectively.
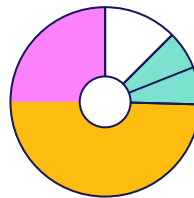
Conclusion

- Job titles in engineering and specialized data fields are highly lucrative.

- Senior executives earn the most, highlighting the value of experience.

- Location is a major determinant of salary levels.

- On average, medium sized companies are paying the most competitive salaries across all experience levels

As you have seen, our research shows a comprehensive view of job roles and salary trends, helping you understand the market dynamics and make informed career decisions. We hope that our extensive analysis can aid you as you navigate the next chapter in your career journey, and inspires you to move up from an entry-level professional in this field to a senior executive one day!

Thanks!

Thank you for your attention, and we are happy to answer any questions you might have.