Data Professional Survey Breakdown

Do you want to work as a data professional?
Take a look at the interactive dashboard to provide you with the insights on **Salary, Tools, Job Satisfaction, and Entry Difficulty.**

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Overview

This interactive dashboard [screen record] offers insights into key aspects of the data profession, including average salary, favorite tools, job satisfaction, and entry difficulty level.

It aims to help aspiring data professionals understand the field and make informed career choices.

Dataset Source: The survey conducted by Alex Freberg (xlsx)

Target Audience

This presentation is for those interested in data careers, providing valuable insights into what to expect in the field.

Dataset Source: The survey conducted by Alex Freberg (xlsx)
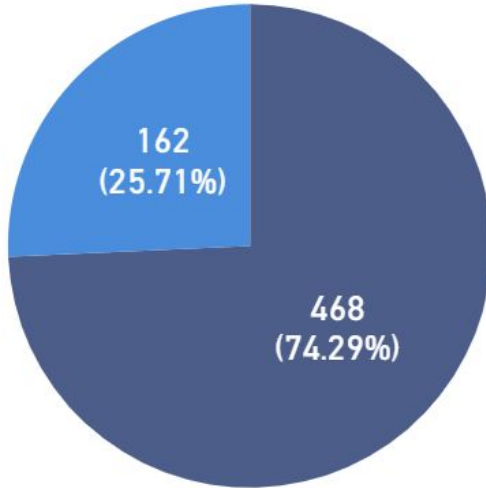
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Survey Demographics

Breakdown of survey participants by gender, age, country, and ethnicity.

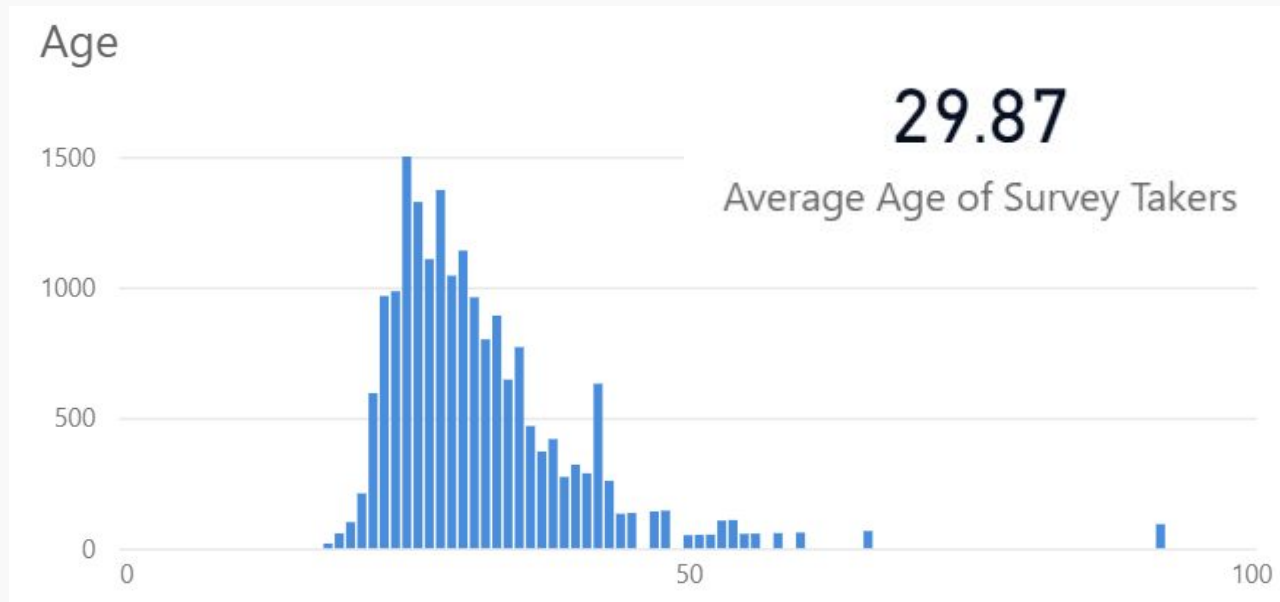# Who Participated: Breakdown of Survey Participants

Gender

● Male ● Female

162
(25.71%)

468
(74.29%)

- **74.29%** of the respondents are **male** (468 participants).
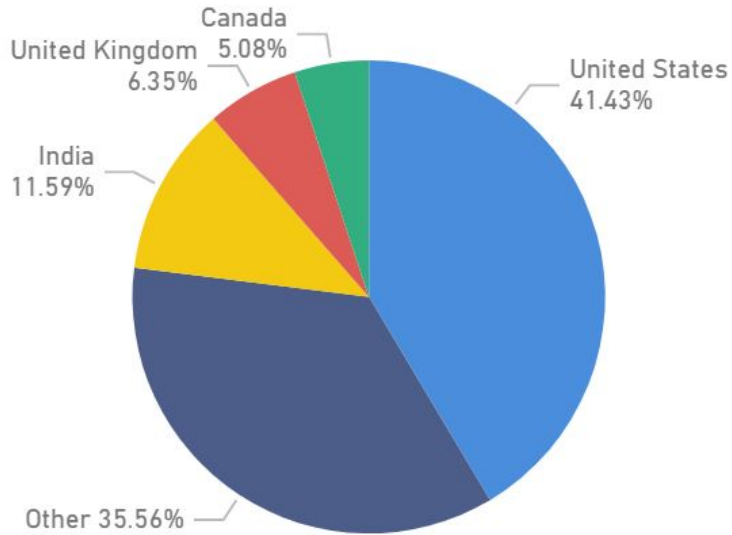- **25.71%** are **female** (162 participants).

Who Participated: Breakdown of Survey Participants

- The majority of participants are in their **20s and 30s**, with a significant concentration between the ages of 22 and 30.
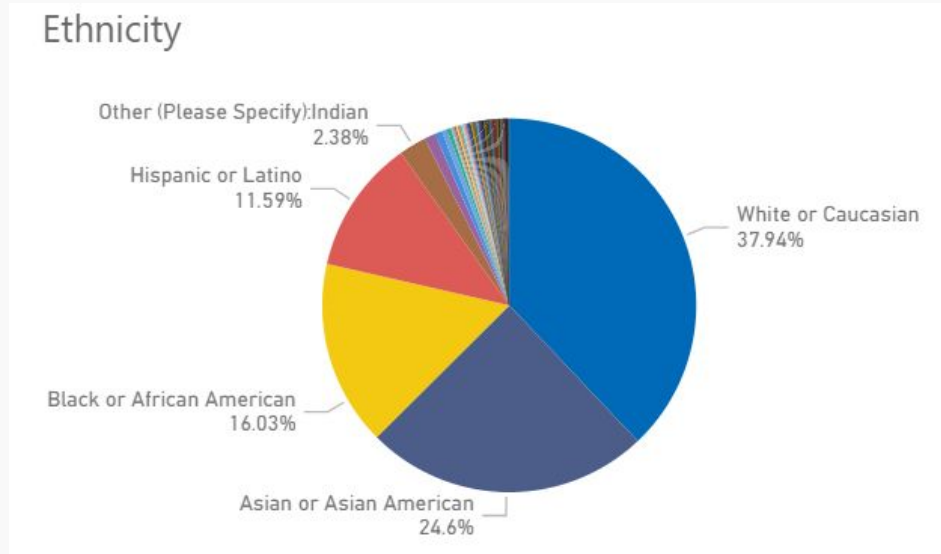- Ages range from 18 to 66, with a few outliers in their 50s and 60s.

Who Participated: Breakdown of Survey Participants

Country

Canada 5.08%
United Kingdom 6.35%
India 11.59%
Other 35.56%
United States 41.43%

- The majority of participants are from the **USA** (261 participants, 41,42%)
- Other notable countries include:
  - **India** (73 participants, 11.59%)
  - **the UK** (40 participants, 6.35%)
  - **Canada** (32 participants, 5.08%).

Who Participated: Breakdown of Survey Participants

Ethnicity

- Other (Please Specify):Indian 2.38%
- Hispanic or Latino 11.59%
- White or Caucasian 37.94%
- Black or African American 16.03%
- Asian or Asian American 24.6%

- The largest ethnic group is **White or Caucasian** (239 participants, 37.94%).
- Other significant groups include **Asian or Asian American** (155 participants, 24.6%), **Black or African American** (101 participants, 16.03%), and **Hispanic or Latino** (73 participants, 11.59%).
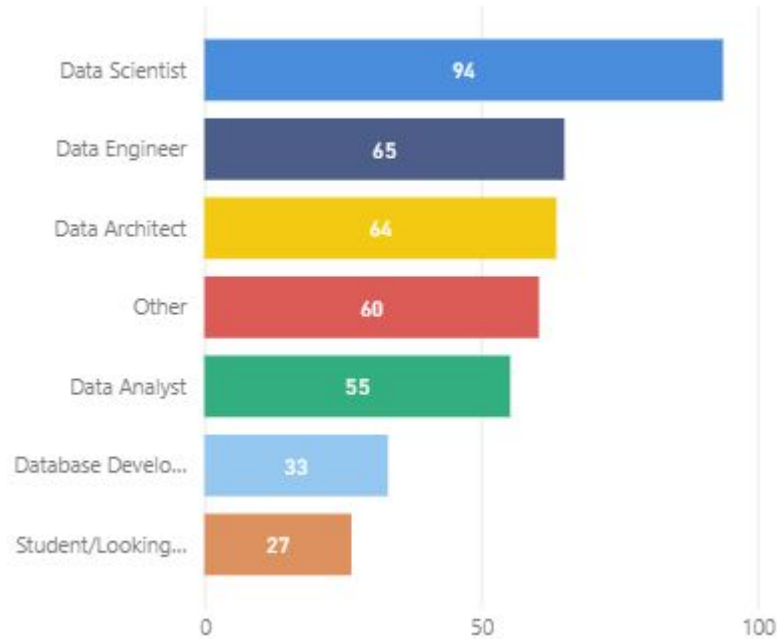
02

Salary Breakdown

Average Salary of Different Data Jobs.

Average Year Salary of Different Data Jobs (k in USD)

Average Year Salary by Job Title (k in USD)

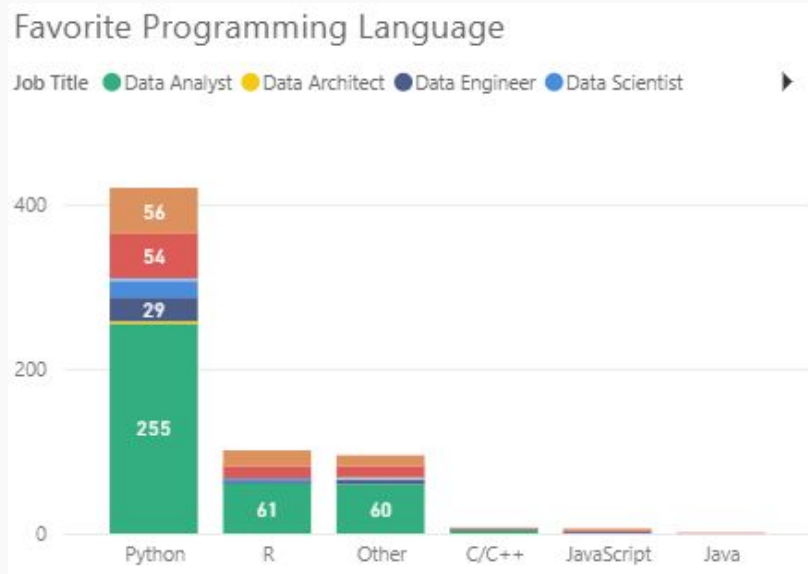| Job Title	Salary
Data Scientist	94
Data Engineer	65
Data Architect	64
Other	60
Data Analyst	55
Database Develo...	33
Student/Looking...	27

- **Data Scientists** are earning the highest average salary (with 94k USD avg year salary)
- Students or those not currently in a specific role are earning the lowest (with 27k USD avg year salary)

03

Favorite Tools &Technologies

The favorite data tools the survey takers are using

The favorite data tools the survey takers are using

Favorite Programming Language

- The most popular data tool is **Python**, with more than 400 participants (out of 630) chose it.
- Followed by **R** and other tools

04

Job Satisfaction

Average Salary of Different Data Jobs.

Job Satisfaction

Happiness with Work/Life Balance

5.74

Happiness with Salary

4.27

- Work/Life Balance: Average satisfaction score of 5.74/10. This indicates moderate contentment, with **room for improvement** in achieving better work/life balance among professionals.
- Salary Satisfaction: Average score of 4.27/10. This lower score suggests notable dissatisfaction, implying that many data professionals feel their **compensation may not adequately reflect their efforts or value.**
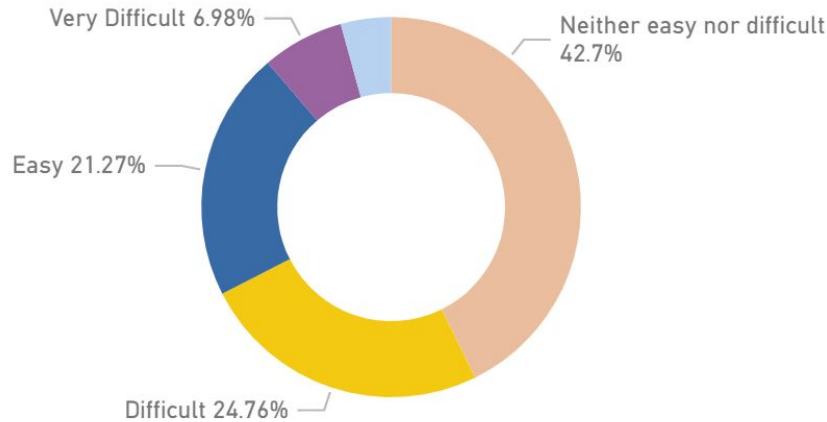
05

Entry Difficulty

How difficult do the survey respondents find it to break into the data field?

The difficulty of breaking into the data field

Difficulty to Break into Data

Very Difficult 6.98%

Neither easy nor difficult 42.7%

Easy 21.27%

Difficult 24.76%

- Most survey takers think it is **"Neither easy nor difficult" (42.7%)**
- Followed by "Difficult" (24.76%) and "Easy" (21.27%)
- With 6.98% of the survey takers think it is "Very Difficult" to break in.

Conclusion

- **Compensation breakdown:**
  The average year salary of data scientist is the highest (94k USD), followed by data engineer (65k USD) and data architect (64k USD).

- **Tool Utilization:**
  Python is the most favorable tool among data professionals (significantly more than other tools like R, C#, etc.)

- **Job Satisfaction:**
  Job satisfaction is not high among data professionals, with an average of 5.74/10 on work/life balance and 4.27/10 on salary.

- **Entry Difficulty:**
  Most participants(42.7%) think it is "Neither easy nor difficult" to enter the data field.

Thank you

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