Data Professional Survey
Analytic Dashoard

Profession
- [ ] Select all

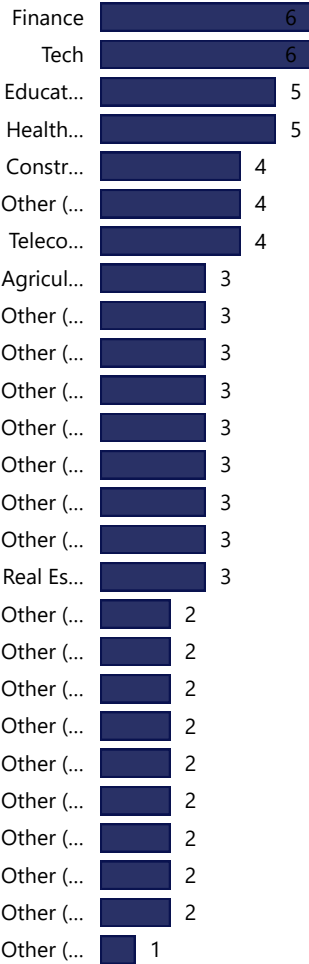| Average Salary	Average Age	Total Employee	Average Time Spent
68.71K	29.87	630	0.50

Education Level by Industry

Industry	
Finance	6
Tech	6
Educat...	5
Health...	5
Constr...	4
Other (...	4
Teleco...	4
Agricul...	3
Other (...	3
Other (...	3
Other (...	3
Other (...	3
Other (...	3
Other (...	3
Real Es...	3
Other (...	2
Other (...	2
Other (...	2
Other (...	2
Other (...	2
Other (...	2
Other (...	2
Other (...	2
Other (...	1

Education Level

Average of Age by Date Taken

Average of Age

29.71 · 30.62 · 26.33 · 25.00 · 46.00 · 21.00 · 25.00 · 22.00

Jun 12 · Jun 19 · Jun 26

Date Taken
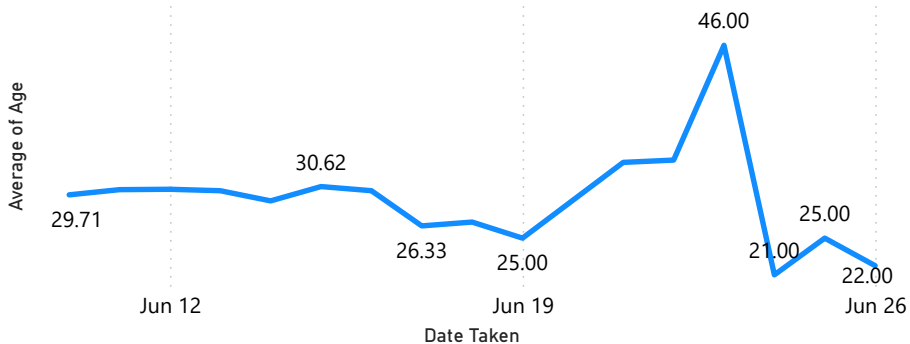
Sum of Yearly Salary $ by Current Salary Satisfaction

8, 4, 3, 7, 5, 6, 0, 2, 10, 1, 9

Entry Dificulty by Gender

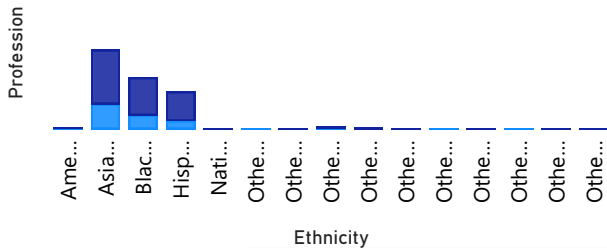| Gender	Entry Dificulty
Female	162
Male	468

0   200   400

Entry Dificulty
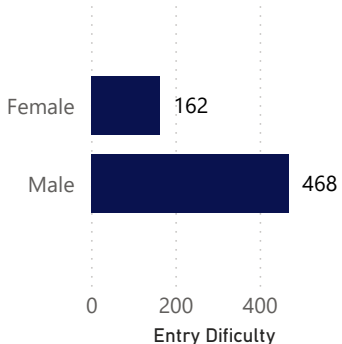
Profession by Ethnicity and Gender

Gender ● Female ● Male

Profession

Ame... Asia... Blac... Hisp... Nati... Othe... Othe... Othe... Othe... Othe... Othe... Othe... Othe...

Ethnicity

Career Switch to Data by Profession

Professi...
- ● Data ...
- ● Data ...
- ● Data ...
- ● Data ...
- ● Datab...

90 (14.29%)
3 (0.4...)
381 (60.48%)
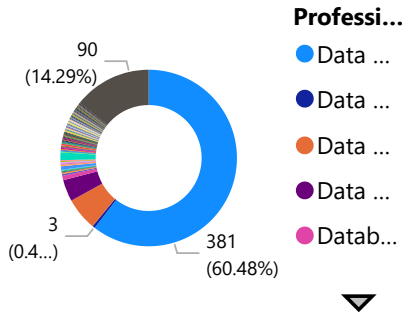
Yearly Salary $ by Education Level

Yearly Salary $

20M · 21M · 14M · 4M · 2M · 1M · 0M

Bachelors · Masters · Unknown · High Sch... · Associates · PhD

Education Level

Profession by Gender

162
(25.71%)

468
(74.29%)
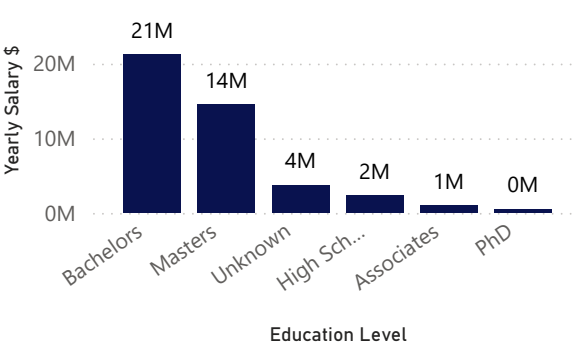
Gender
- Male
- Female
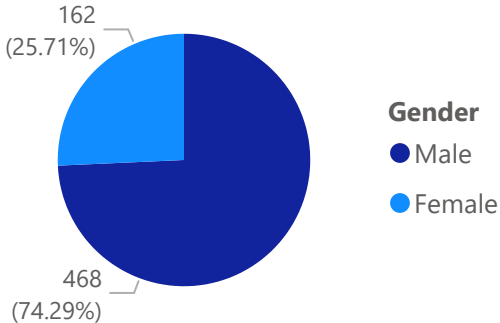
Profession by Favorite Programming Language
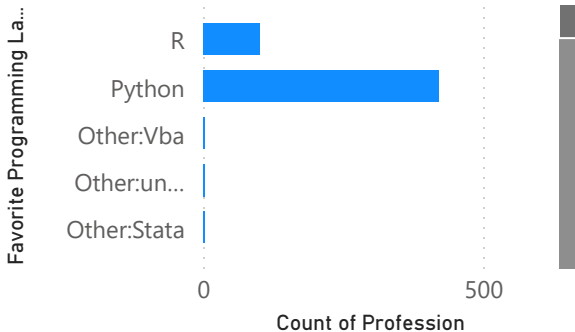
Summary Report

Major Insights and Trends Discovered:

- The average salary of data professionals is $68.71K, with an average age of 29.87 years.

- Total participants surveyed were 630, and the average time spent in the profession is 0.50 years, indicating a high proportion of early-career professionals.

- Male respondents (468) report more difficulty in entry compared to females (162), possibly due to self-reporting bias or gender disparity in perception.

- The majority of transitions into data roles came from "Other" professions (60.48%), showing data is a highly switchable career path.

- Bachelor's and Master's degree holders dominate in earnings with $21M and $14M respectively bachelor's education significantly entered

Key Decisions Made During the Cleaning and Transformation Process:

1. I had to rename the columns name to a proper one.
2. i decided to remove the thousands sign in the yearly salary and use the highest value as the salary by using the replace value feature and split-column feature.
3. i replace the null values in the education level with unknown and also replace the null values of aggregate columns with 0.

Observations Relevant to Stakeholders:

- HR and hiring managers can note that the tech and finance sectors attract the most data professionals with higher education backgrounds.

- Educators and career counselors should note that switching into data careers is feasible across many industries, and bachelor's degrees appear to yield the highest returns.

- Policy-makers and diversity advocates might be concerned with the low representation of certain ethnicities and potential gender disparities in entry experience.