



ANALYTICS WORKFORCE SURVEY DASHBOARD

Executive Summary



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1. Overview

The **Analytics Workforce Survey Dashboard** provides a comprehensive snapshot of data professionals across various roles, highlighting trends in **salary**, **demographics**, **skills**, and **job satisfaction**. The insights are derived from a sample of **630 survey participants**, offering a valuable lens into the current state of the data industry.

2. Demographics & Representation

- **Country Distribution:**

- The largest share of respondents comes from **India**, followed by **Canada**, the **United States**, and the **United Kingdom**.
- This global spread reflects the international nature of the analytics workforce, though the sample leans slightly toward Asian and North American countries.

- **Gender Distribution:**

- The gender split is nearly balanced, with **51% female** and **49% male** respondents.
- This suggests positive trends toward **gender diversity** in the data profession, although more detailed role-based gender analysis would offer deeper insights.

- **Average Age:**

- The average age of survey participants is **29.87 years**, indicating a **young, early-career dominant workforce**, possibly reflecting the growing popularity of data science in recent years.

3. Job Roles & Salary Trends

- **Top Roles Represented:**

- Data Scientist
- Data Architect

- Data Engineer
- Data Analyst
- Database Developer
- Statistician
- **Salary Insights:**
 - **Data Scientists** lead in average annual salaries, surpassing all other roles.
 - Close followers include **Data Architects** and **Data Engineers**, showing strong compensation for more technical and infrastructure-focused roles.
 - **Statistical Modellers** and **Database Developers** appear at the lower end of the salary spectrum.

► This trend underscores the industry's valuation of roles that blend **mathematical modeling**, **engineering**, and **product delivery**.

4. Skills & Tools

- **Top Programming Languages:**
 - Python is the dominant favorite, indicating its central role in analytics and data science.
 - SQL and R also appear prominently, reflecting the need for database querying and statistical analysis.
 - JavaScript, C++, and C# have lower representation, possibly due to their more niche or non-analytics focus.

► Python's dominance reinforces its position as the go-to language for modern analytics and machine learning workflows.

5. Satisfaction Metrics

- **Work-Life Balance:**
 - The average satisfaction score is **5.86** out of 10, suggesting **moderate satisfaction** with work-life balance.
- **Salary Satisfaction:**
 - With a slightly lower average score of **4.27**, it indicates **relative dissatisfaction** with compensation among respondents, even as technical roles earn high salaries.

► These metrics suggest that **pay perception** may not directly align with actual salary levels — likely due to factors like workload, inflation, or career expectations.

6. Gender and Salary

- The dashboard includes a donut chart summarizing **average salary by gender**, though specific salary numbers aren't shown.
- With a balanced gender representation, further exploration of **salary parity** and **role distribution by gender** could enhance insights into equity in the data field.

Conclusion

The Analytics Workforce Survey Dashboard offers a well-rounded view into the world of data professionals. It shows:

- A **young**, globally diverse population
- High demand for **Python skills**
- Strong salaries for **data-focused engineering and science roles**
- Ongoing challenges in **salary satisfaction** and **work-life balance**

These findings can inform **recruiters, managers, and educators** looking to align programs and policies with the needs and trends of today's analytics talent.

Dashboard Visual

