Time from Start to Finish: Duration (in seconds)

Q1 : What is your age (# years)?

[List of age]

Q2 : What is your gender?

- Man
- Woman
- Nonbinary
- Prefer not to say
- Prefer to self-describe

Q3 : In which country do you currently reside?

[List of Countries]

Q4 : What is the highest level of formal education that you have attained or plan to attain within the next 2 years?

No formal education past high school

● Some college/university study without earning a bachelor's degree

● Bachelor's degree

● Master's degree

● Doctoral degree

● Professional doctorate

● I prefer not to answer

Q5 : Select the title most similar to your current role (or most recent title if retired)?

Business Analyst

● Data Analyst

● Data Engineer

● Data Scientist

● DBA/Database Engineer

● Machine Learning Engineer

● Product Manager

● Program/Project Manager

● Research Scientist

● Software Engineer

● Statistician

● Student

● Currently not employed

● Other

Q6 : For how many years have you been writing code and/or programming?

I have never written code

● < 1 years

● 1-2 years

● 3-5 years

● 5-10 years

● 10-20 years

● 20+ years

Q7 : What programming language would you recommend an aspiring data scientist to learn first?

Python

● R

● SQL

● C

● C++

● Java

● Javascript

● Julia

● Swift

● Bash

● MATLAB

● None

● Other

Q8 : What type of computing platform do you use most often for your data science projects?

A laptop

● A personal computer / desktop

● A deep learning workstation (NVIDIA GTX, LambdaLabs, etc)

● A cloud computing platform (AWS, Azure, GCP, hosted notebooks, etc)

● None

● Other

Q9 : Approximately how many times have you used a TPU (tensor processing unit)?

Never

● Once

● 2-5 times

● 6-25 times

● More than 25 times

Q10 : For how many years have you used machine learning methods?

I do not use machine learning methods

● Under 1 year

● 1-2 years

● 2-3 years

● 3-4 years

● 4-5 years

● 5-10 years

● 10-20 years

● 20 or more years

Q11 : In what industry is your current employer/contract (or your most recent employer if retired)?

Academics/Education Accounting/Finance

● Broadcasting/Communications

● Computers/Technology

● Energy/Mining

● Government/Public Service

● Hospitality/Entertainment/Sports

● Insurance/Risk Assessment

- Online Business/Internet-based Sales

- Online Service/Internet-based Services

- Marketing/CRM

- Manufacturing/Fabrication

- Medical/Pharmaceutical

- Military/Security/Defense

- Non-profit/Service

- Retail/Sales

- Shipping/Transportation

- Other

Q12 : What is the size of the company where you are employed?

0-49 employees

- 50-249 employees

- 250-999 employees

- 1000-9,999 employees

- 10,000 or more employees

Q13 : Approximately how many individuals are responsible for data science workloads at your place of business?

0

- 1-2

- 3-4

- 5-9

- 10-14

- 15-19

- 20+

Q14 : Does your current employer incorporate machine learning methods into their business?

We are exploring ML methods (and may one day put a model into production)

- We use ML methods for generating insights (but do not put working models into production)

● We recently started using ML methods (i.e., models in production for less than 2 years)

● We have well established ML methods (i.e., models in production for more than 2 years)

● No (we do not use ML methods)

● I do not know

Q15 : What is your current yearly compensation (approximate $USD)?

[List of Values]

Q16 : Approximately how much money have you (or your team) spent on machine learning and/or cloud computing services at home (or at work) in the past 5 years (approximate $USD)?

$0 ($USD)

● $1-$99

● $100-$999

● $1000-$9,999

● $10,000-$99,999

● $100,000 or more ($USD)

Q17 : Of the cloud platforms that you are familiar with, which has the best developer experience (most enjoyable to use)?

» Amazon Web Services (AWS)

● » Microsoft Azure

● » Google Cloud Platform (GCP)

● » IBM Cloud / Red Hat

● » Oracle Cloud

● » SAP Cloud

● » Salesforce Cloud

● » VMware Cloud

● » Alibaba Cloud

● » Tencent Cloud ● None were satisfactory

● They all had a similarly enjoyable developer experience

● Other

Q18 : Which of the following big data products (relational database, data warehouse, data lake, or similar) do you use most often?

MySQL

● PostgreSQL

● SQLite

● Oracle Database

● MongoDB

● Snowflake

● IBM Db2

● Microsoft SQL Server

● Microsoft Azure SQL Database

● Microsoft Azure Cosmos DB

● Amazon Redshift

● Amazon Aurora

● Amazon RDS

● Amazon DynamoDB

● Google Cloud BigQuery

● Google Cloud SQL

● Google Cloud Firestore

● Google Cloud BigTable

● Google Cloud Spanner

● None

● Other

Q19 : Which of the following business intelligence tools do you use most often?

Amazon QuickSight

● Microsoft Power BI

● Google Data Studio

● Looker

● Tableau

● Salesforce

● Einstein Analytics

● Qlik

● Domo

● TIBCO Spotfire

● Alteryx

● Sisense

● SAP Analytics Cloud

● Microsoft Azure Synapse

● Thoughtspot

● None

 ● Other

Q20 : What is the primary tool that you use at work or school to analyze data? (Include text response)

Basic statistical software (Microsoft Excel, Google Sheets, etc.)

● Advanced statistical software (SPSS, SAS, etc.)

● Business intelligence software (Salesforce, Tableau, Spotfire, etc.)

● Local development environments (RStudio, JupyterLab, etc.)

● Cloud-based data software & APIs (AWS, GCP, Azure, etc.)

● Other