

Data Scientist Job Description Template

Here's an example of a data scientist job description template that you can adapt for your team's hiring needs. Feel free to add or remove the amount of responsibilities, experience, and qualifications needed based on the seniority of the role. Enjoy!

— The DataCamp Team



Data Scientist

Description

As a data scientist at **[add company name]**, you will drive real-world impact by applying innovative data-driven technology to our ever-growing dataset.

You will be responsible for the end-to-end data science project lifecycle, starting from problem scoping to machine learning systems deployment and maintenance. **[Add a thorough description of the different types of projects and data sources, and outline the specific deliverables a candidate is expected to deliver.]**

The ideal candidate possesses a strong analytical ability to solve complex problems with data.

Responsibilities

- Work with large datasets on data extraction, cleaning, exploration, analysis, and presentation.
- Formulate data science solutions to business problems by collaborating with business and product teams.
- Design and implement algorithms to solve a wide array of challenging problems with analytics and statistical approaches built on high-volume, high-dimensional datasets.
- Deploy, test, validate, and maintain machine learning models in production by collaborating with data engineers and machine learning engineers.
- Perform extract, transform, load operations from data sources for modeling purposes.
- Design, perform and analyze A/B tests.
- **[Remove or add problems relevant to this specific job title]** Scope and work on problems such as:
 - Provide the most relevant recommendations during check-out.

[Insert website here]

[Insert logo here]

- Detect fraudulent users with sparse, high-dimensional data.
- Generate credit scores for customers.
- Predict the arrival time of a parcel based on traffic conditions.
- Use natural language processing for sentiment analysis, message auto-completion, or search query correction.
- ***[If necessary, add additional job requirements]***

Experience

- Bachelor's degree or higher, or equivalent practical experience.
- ***[If necessary, add X+ years of relevant analytics experience]***

Minimum Qualifications

- Solid knowledge of statistical methods and machine learning fundamentals.
- Strong proficiency in Python, R.
- Strong proficiency in SQL.
- Hands-on experience with data analytics and classical machine learning tools (e.g. *pandas*, *NumPy*, *scikit-learn*) and deep learning frameworks (e.g. *Tensorflow*, *Pytorch*).
- ***[Make sure to mention any other technologies relevant to your project.]***
- Excellent written and verbal communication skills.
- Excellent stakeholder management skills.
- Ability to tell stories with data, and deliver data-driven insights to a wide range of audiences.

What will make you stand out

- Experience in production software engineering routines (e.g. *Git versioning*, *Continuous Integration/Continuous Deployment*).
- Familiarity or experience with working on large data sets and distributed computing (e.g. *Hive*, *Hadoop*, *Spark*, *Presto*, *MapReduce*).
- Working knowledge of Cloud-based solutions (e.g. *AWS*, *Azure*, *GCP*).
- ***[If necessary, add additional preferred qualification]***