

5 Common Mistakes made by aspiring data scientists



1

Learning theories without hands-on application

The first mistake is learning theoretical concepts without practicing them on a real dataset to understand the real science behind those concepts.

Whenever you learn a new concept, search for real-life problems based on that concept.

2

Moving to ML without the prerequisites

The second mistake is moving on to studying machine learning concepts too quickly.

Mathematics and statistics play an important role. The concepts you need to learn are linear algebra, calculus, matrix theory, statistics, and probability.

3

Misusing data science terms in your resume

The next common mistake is misusing terms and buzzwords on your resume.

Hiring managers are looking for your background, and using too many terms without explaining the "why" will make your resume vague.

For example, suppose you say, "I am experienced in the random forest algorithm." There is no experience to back up this claim.

Instead, say "I applied the random forest algorithm to predict loan approval trends."

4

Learning too many tools at once

The roster of tools and technologies is part of the fun of data science. Although, it's best to start small and end wide.

Start with mastering a relevant programming language, such as Python, before moving on to other libraries and frameworks.

Even when you move on to advanced tools, take them one at a time so that you can stack knowledge efficiently.

Remember, a jack of all trades is a master of none, so make sure you master the basics before spreading yourself too thin.

Forgetting to review case studies before the interview

A data scientist's job is to solve business problems using the available datasets.

In the interview, you will be expected to solve a real-world problem faced by a real organization, also known as a case study. It is critical to include these in your prep routine.

The interviewers are not hoping that you'll solve the issue completely. They are looking at your problem-solving approach.

Whatever approach you use, you must clearly communicate your steps with the interviewers.

Share your tips!

**What are some other mistakes to avoid as an
up-and-coming Data Scientist?**

Happy learning!