

# 15 Mistakes to Avoid in Data Science

GoSkills online course syllabus

**Skill level**

Beginner

**Lessons**

17

**Accredited by**

Verified by GoSkills

**Pre-requisites**

No prior experience needed

**Video duration**

19m

**Estimated study time**

19m 12s

**Instructor**

Madecraft

## Introduction

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### 1 Avoid common mistakes to excel in data science

## Mistakes to Avoid

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### 2 Communicating with overly technical language

Data science is a highly technical field, which can alienate the non data-savvy. After watching this video you'll be able to discuss how using overly technical language can negatively impact your data science projects.

### 3 Skipping the fundamentals

It's unavoidable to encounter repetitive "simple" tasks when working with data, but it's important to be incredibly thorough despite the repetition.

### 4 Moving too quickly

It's easy to get excited when working with novel datasets or chasing after unique problems.

### 5 Having a data set that is too small

If you overlook the size of your dataset, you may run into serious problems later.

### 6 Failing to adopt new tools

Oftentimes the best analysis is dependent upon using the best tool or the most current algorithm.

### 7 Not considering the level of variation

Variation is a really important data science project and is often poorly communicated to stakeholders.

- 8 Lack of documentation**  
Documentation must be at the core of every data science workflow.
- 9 Relying solely on formal education**  
A formal degree or certification program is a great foundation, but it doesn't keep current on its own.
- 10 Taking too long to share results**  
Most data projects are time sensitive and it's always necessary to maintain the right balance.
- 11 Including your bias**  
When working with datasets it's easy to inadvertently introduce persona bias into the analysis.
- 12 Overpromising solutions to stakeholders**  
Setting expectations appropriately is a necessary skill for every data scientist.
- 13 Building tools from scratch**  
Writing code is a key skill for a data scientist but it is tedious work.
- 14 Assuming knowledge level of stakeholders**  
Presenting data without matching the language to the knowledge level of the room is a common mistake.
- 15 Not telling a story with the data**  
Data is only helpful for achieving goals if it's well understood.
- 16 Not confirming with stakeholders**  
A common mistake in data science is making assumptions about the goals of a project.

## Chapter Name

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- 17 Get started on the right path**