

# **Unit 1: What is data science?**

## **Good data science**

Lesson 9

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# Lesson overview

## Objectives

- Understand why there are cycles in the data science process

## Outline

- Revisiting the data science project phases
- The reasons for iteration

# To do good data science...

*your work must strive to reflect the **right** definition of the question.*

# Good data science project phases



# Why are data science projects iterative?

- We discover our approach is broken (isn't doing what we intended)
- We discover our approach is wrong (is working, but doesn't respect the underlying problem)

# Lesson wrap-up

## Takeaways

- Doing good data science requires attention
- Good data science requires patience
- Good data science requires commitment to the domain

## Up next

- Homework 1