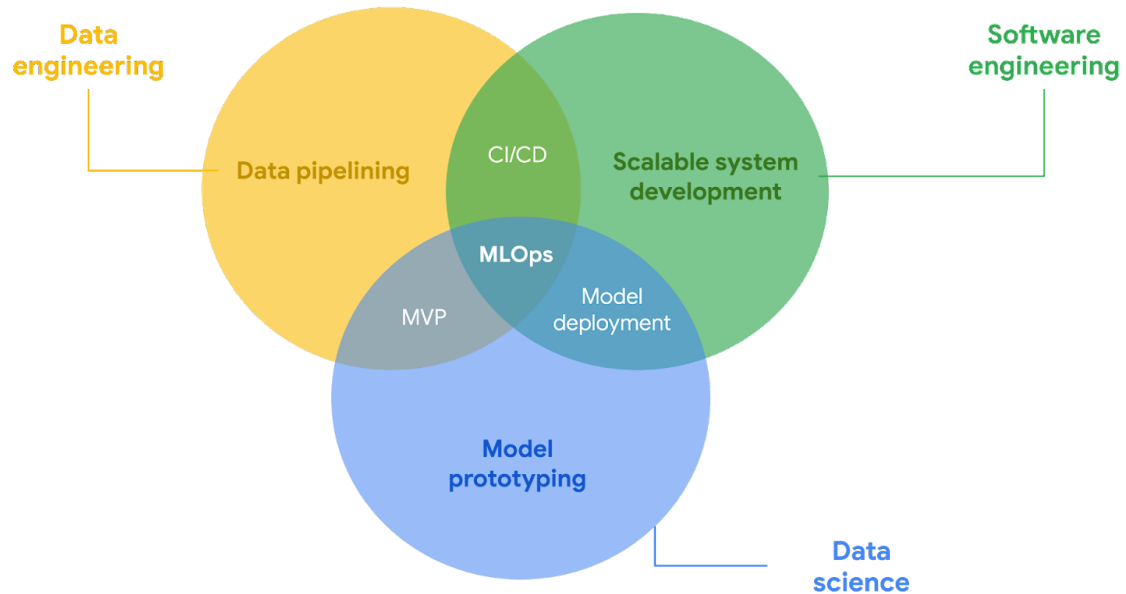


MLOps: The Big Picture



Objectives

The purpose of this section is to give you an overview of MLOps. First, we will start off talking about what are the differences between AIOps, DevOps and alas MLOps. There is often a lot of confusion between these terms so let's get the definitions right. We are focused only on MLOps in this course. Briefly, MLOps sits at the intersection of data science, data engineering and software engineering and it is extremely important to successfully make use of ML in practice.

The main topics we will cover in this section include the following:

- What are AIOps, DevOps and MLOps?
- Why is MLOps so important to get right to be successful?
- What are the roles and responsibilities of people involved in MLOps?
- What are the key MLOps activities?

Keep in mind that in this section we want you to get the core concepts of MLOps right. We focus on the big picture. Subsequently, the later modules will get deep into the details of each section. Also, we will then start to focus on issues that are specific to embedded machine learning, effectively using it as a case study for deploying ML at the edge/endpoints.