



5 Observability



Motivation

What happens if your AI starts making **bad decisions?**

How would you find out?

When would you find out?

Would you know **why**?

Can you trust AI?



Why ML fails in production

Feedback Loops between ML
and Environment

Drift in population

Noise

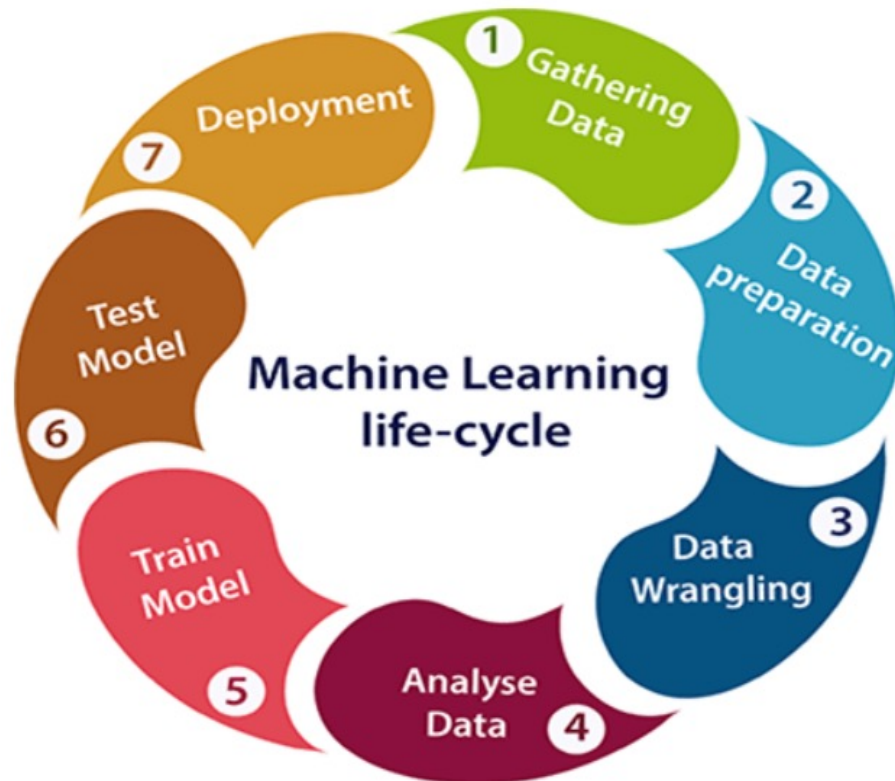
Random Shocks

Long cycles



AI Observability

Observability is the practice of obtaining a deep understanding into your model's performance across all stages of the model development cycle



Timely Detection

- Only solve after identification
- Reducing identification cost
- Production and development

Timely resolution

- Diminish time of resolution
- Identify root cause
- Provide a course of resolution



Observability components

Monitor drift

Root cause analysis

Performance metrics

Feedback loops



ML hierarchy of needs

