Al and the SDLC/DevOps Conundrum

Al Is Coming!

It's Going to be Your Problem!

The Conundrum

Shifting Responsibility

Shifting Ops Responsibility

IT/Ops

Network

Servers

Operating Systems

Runtime / Database

Configuration

Performance Testing

Monitoring

Dev

Software

Integration Testing

PaaS

Network

Servers

Operating Systems

Orchestration

Monitoring

Dev/Ops

Operating Systems

Runtime / Database

Configuration

Performance Testing

Monitoring

Software

Integration Testing

Shifting Data Science Responsibilities

Data Science

Dev

Input/Output Specs

Data Gathering

Design

Tuning

Performance Testing

Monitoring

Model Usage

Data Science

Input/Output Specs

Data Gathering

Design

Tuning

Performance Testing

Monitoring

Dev

Data Gathering

Prompting

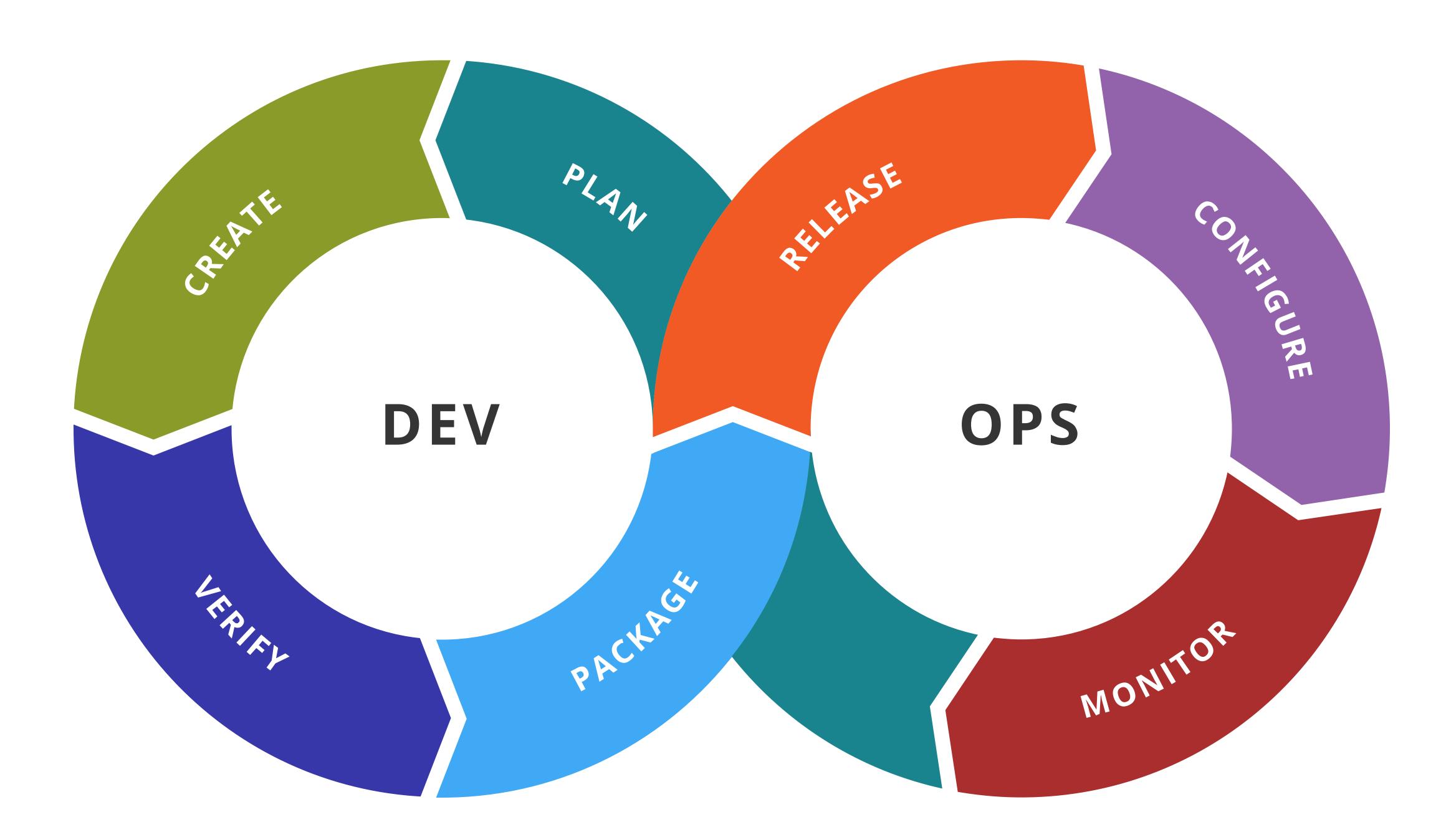
Fine Tuning

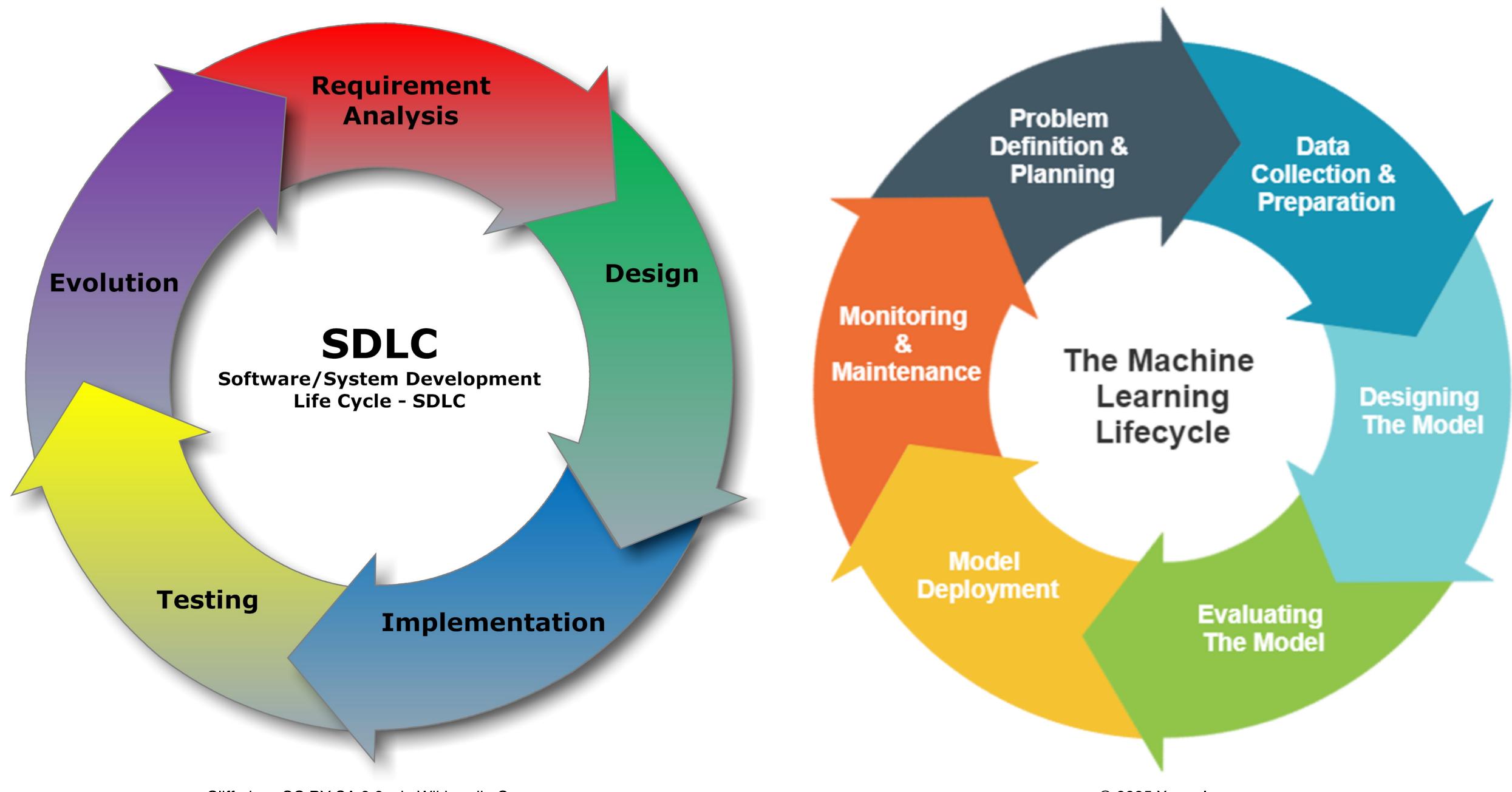
Performance Testing

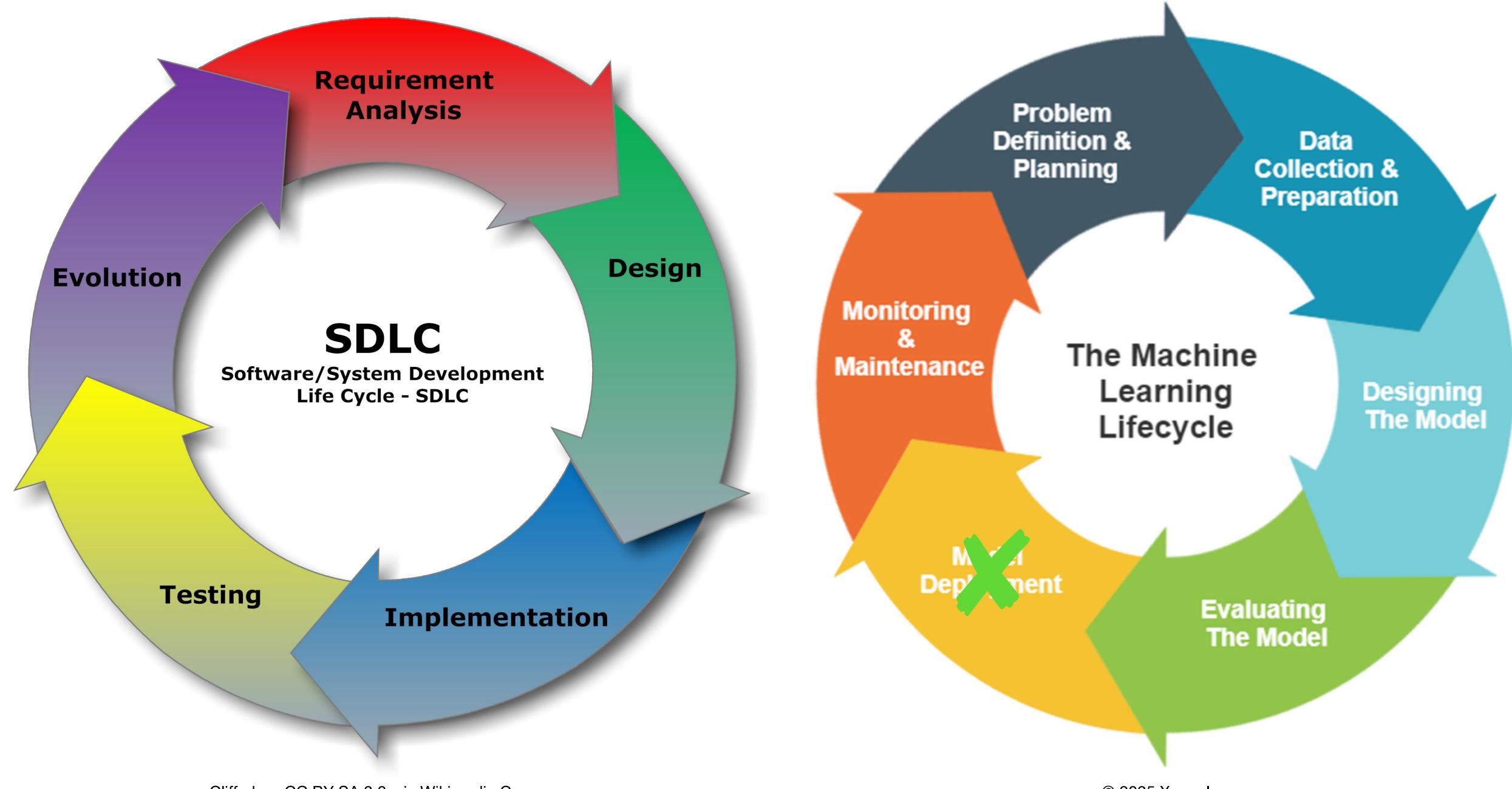
Monitoring

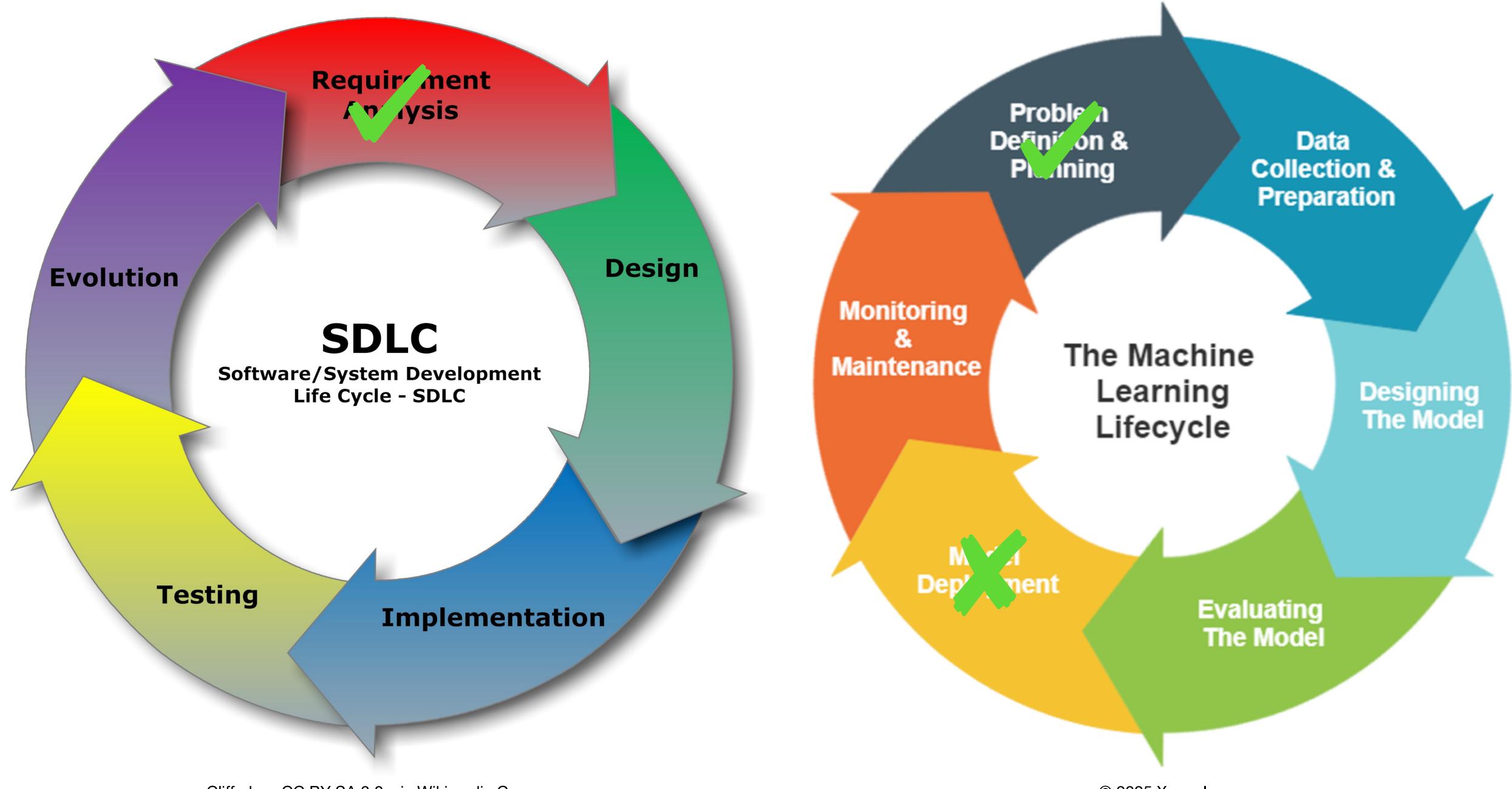
Model Usage

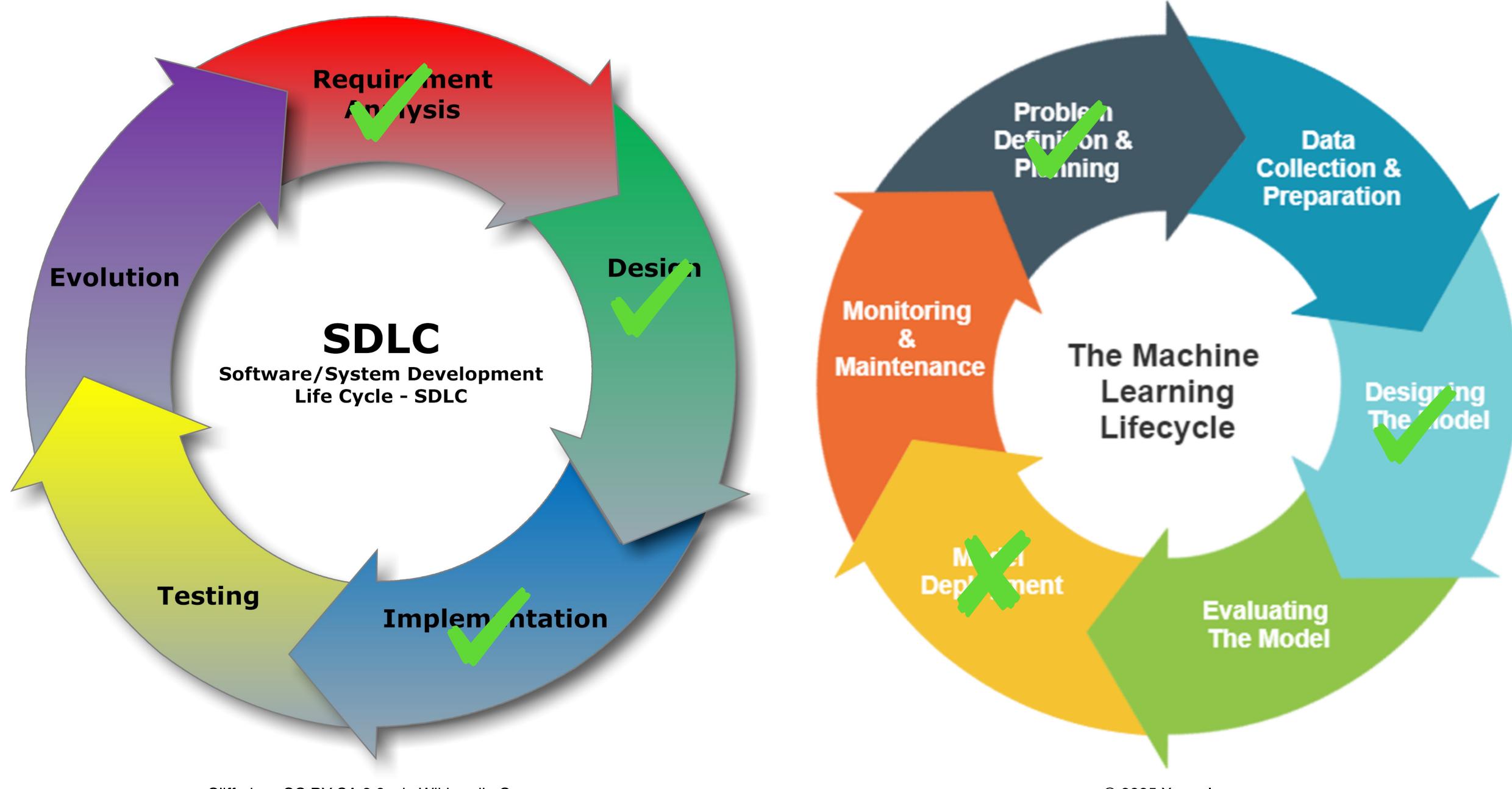
The Solution

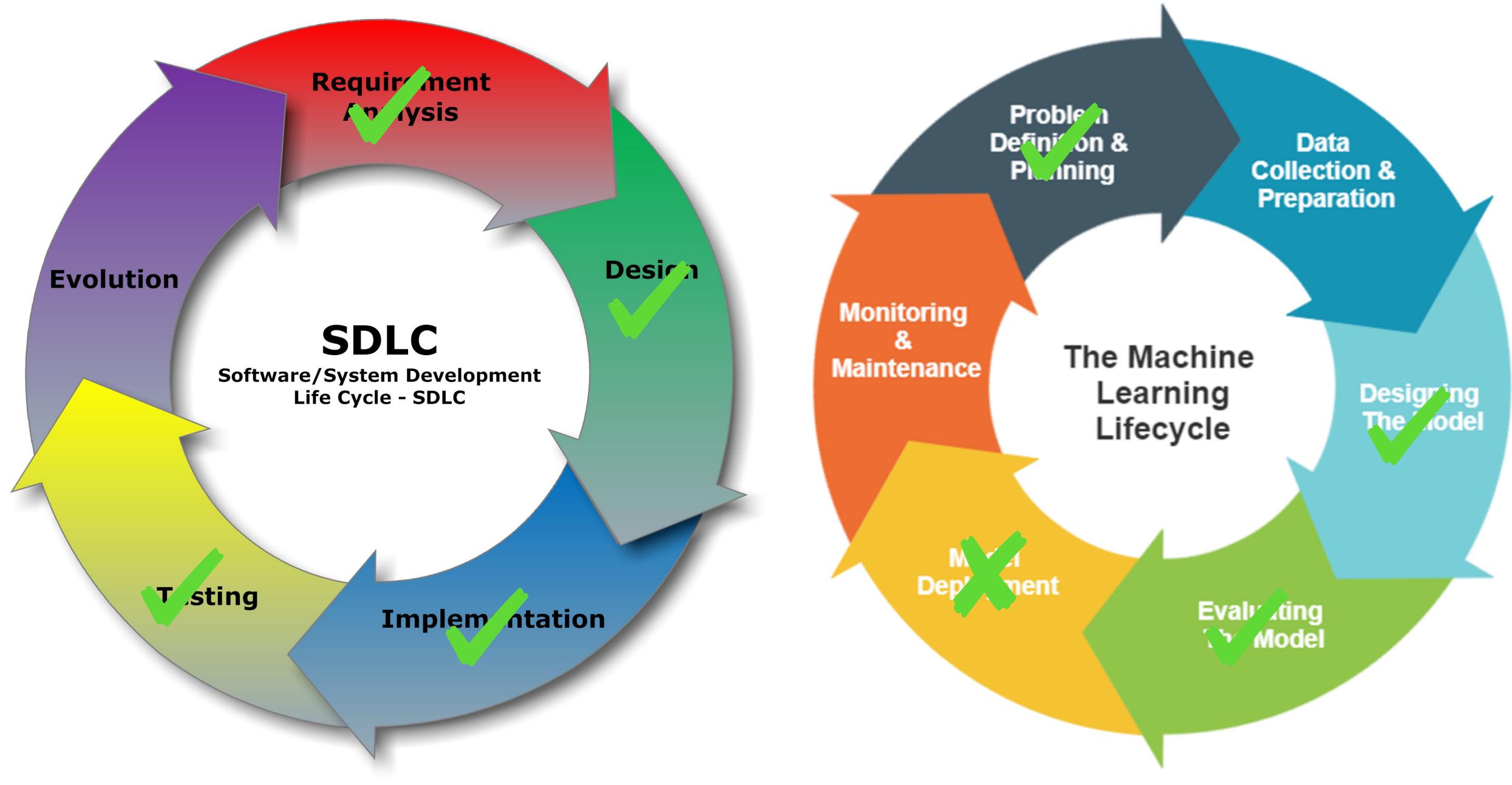


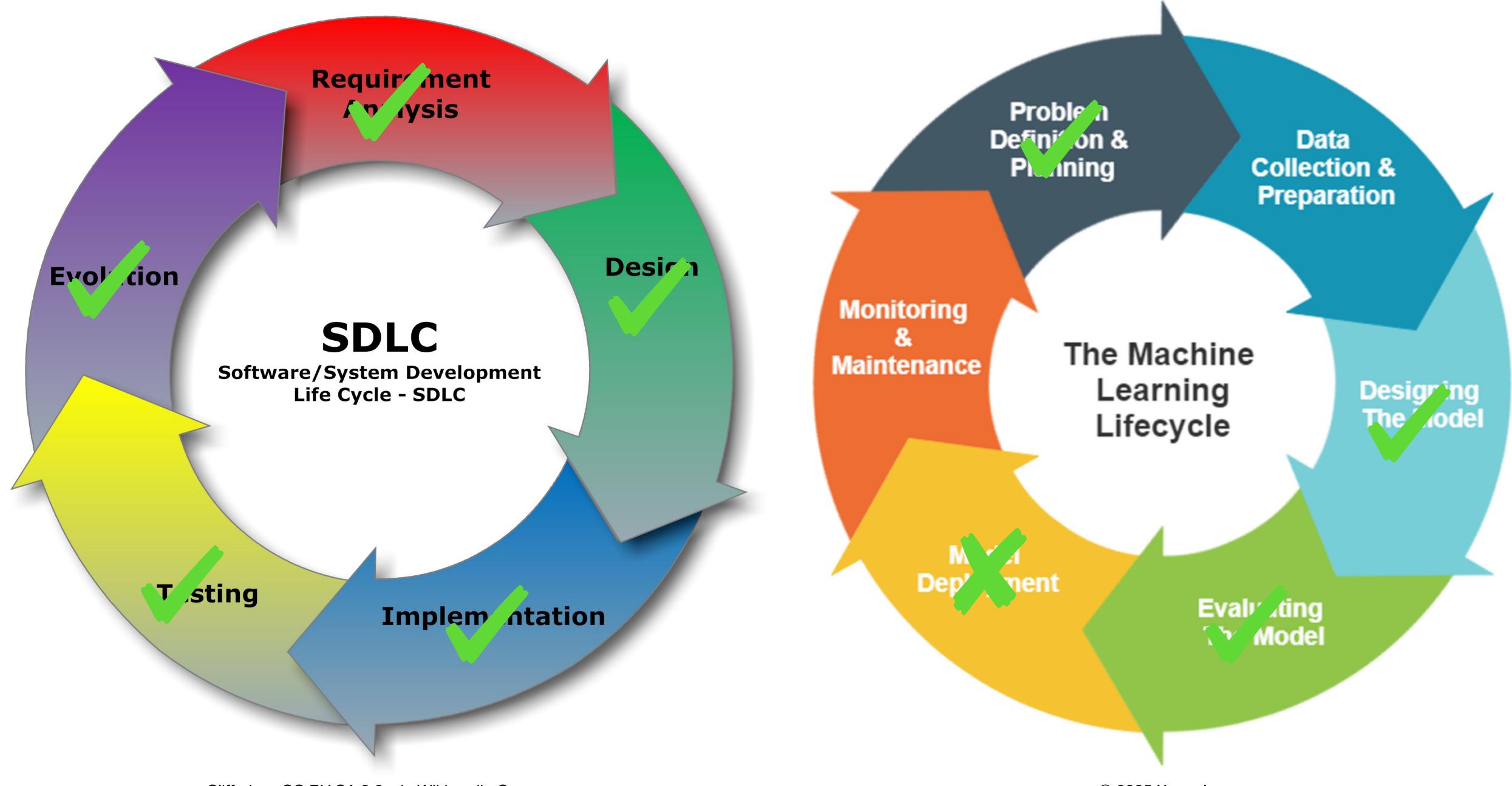




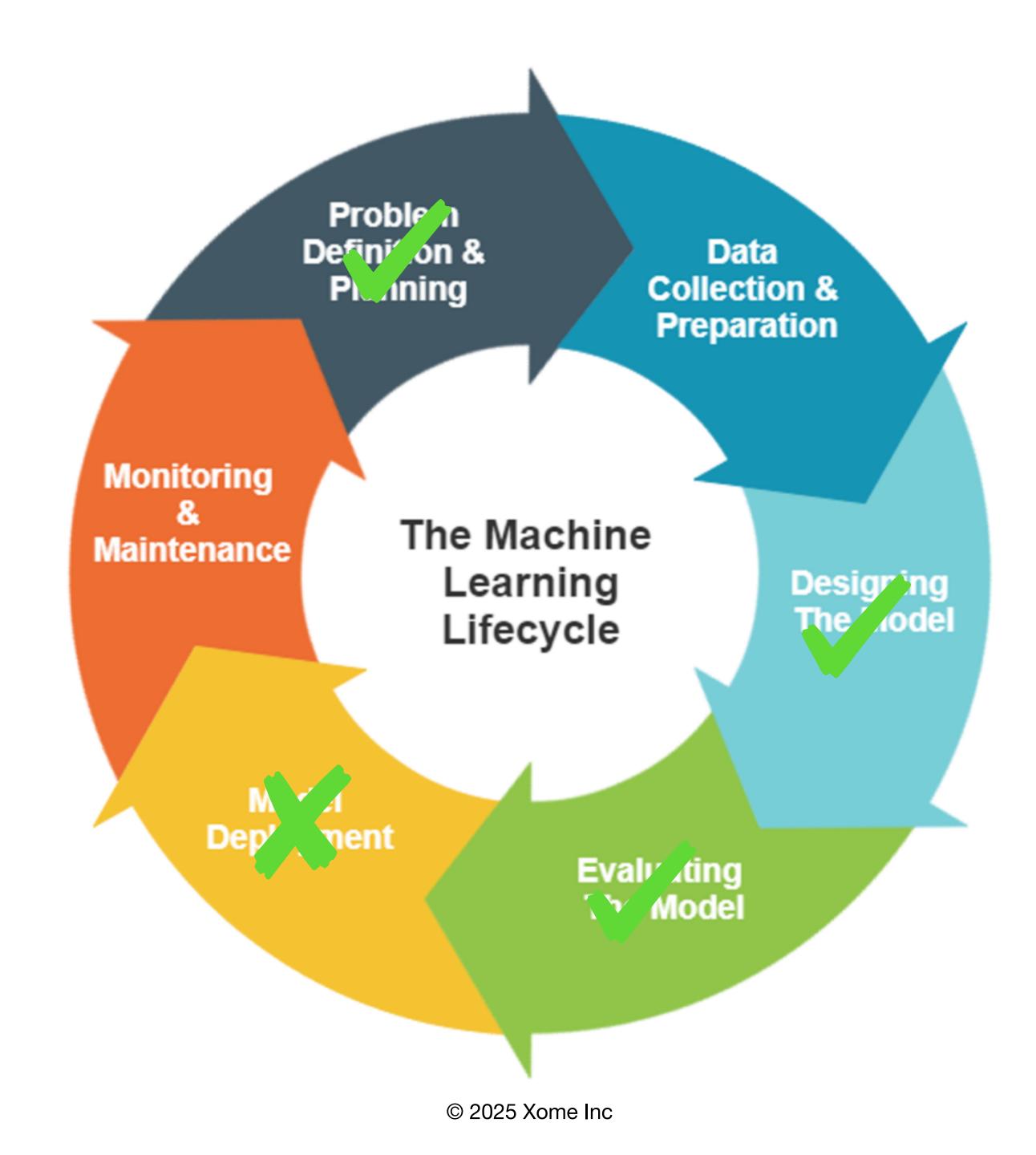




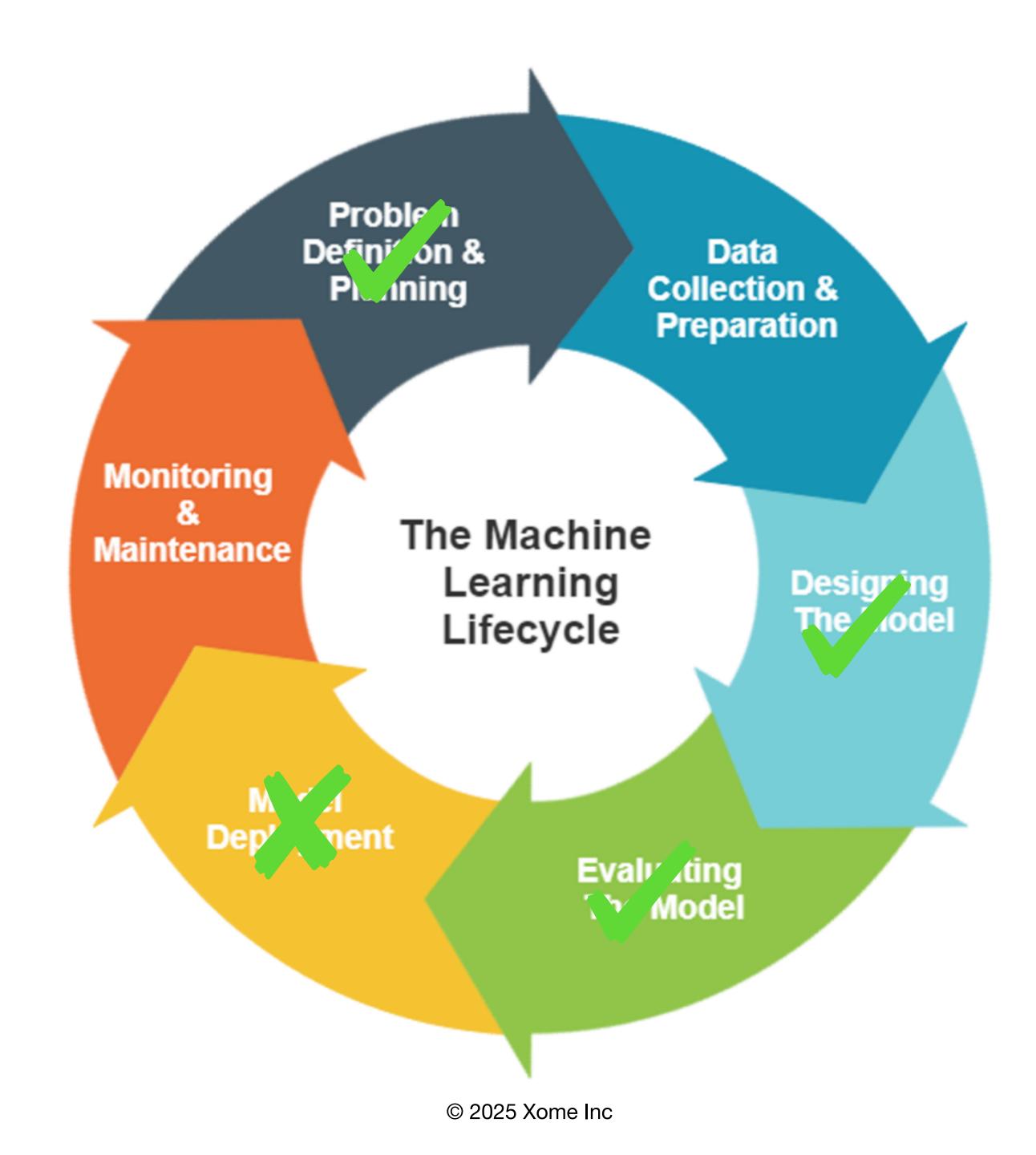




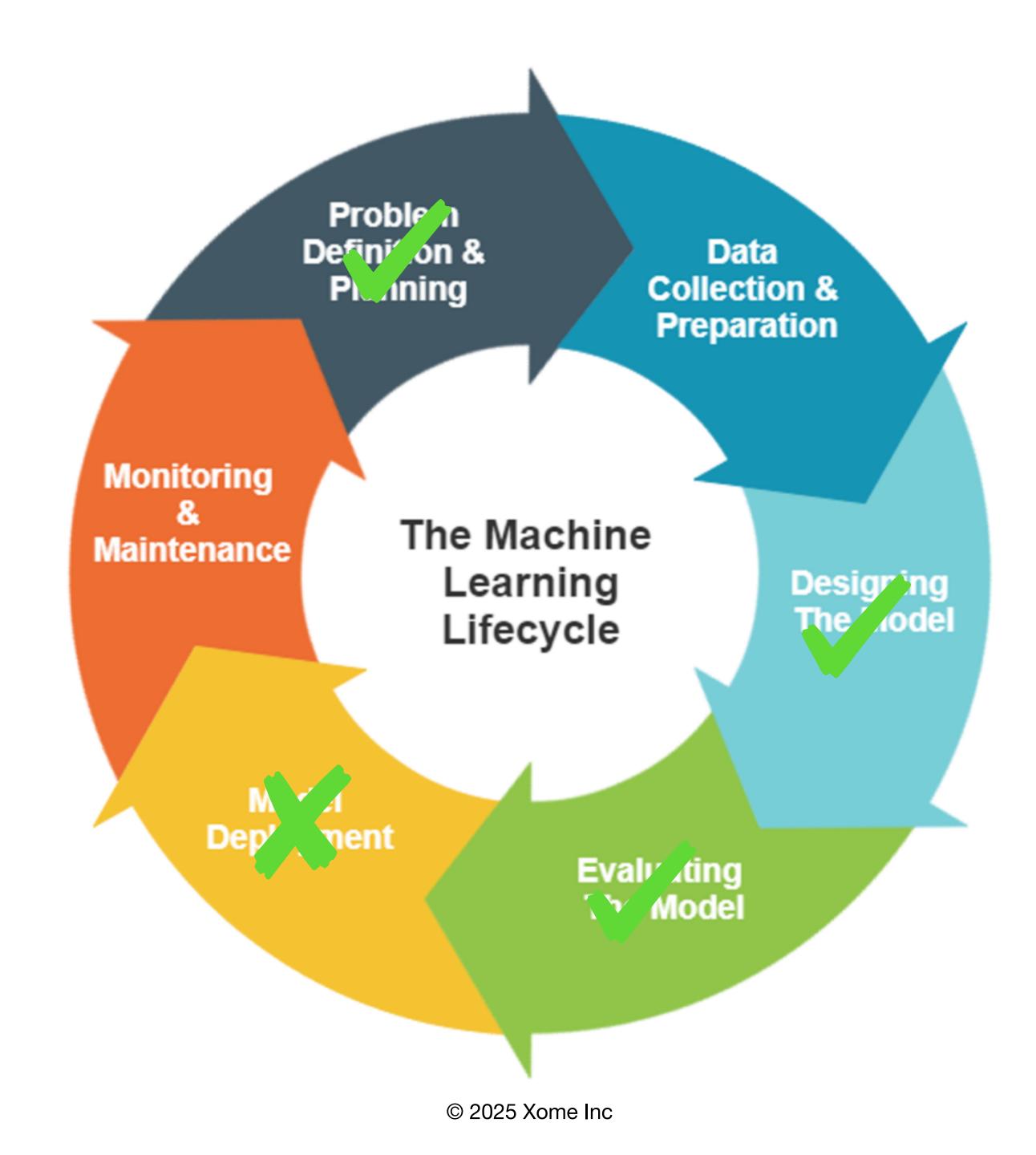
- Data Gathering
- Prompting
- Performance Testing
- Monitoring
- Model Usage



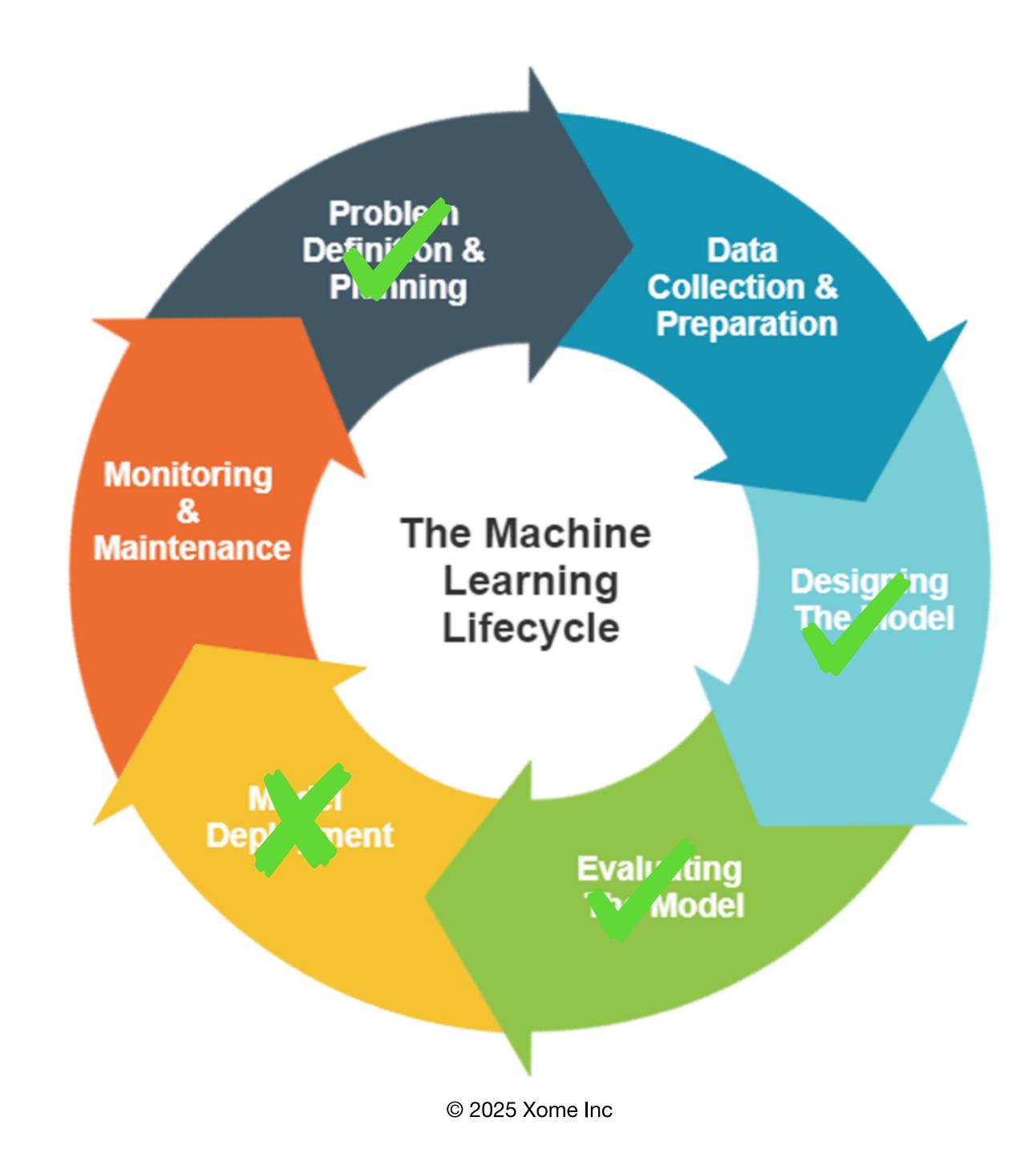
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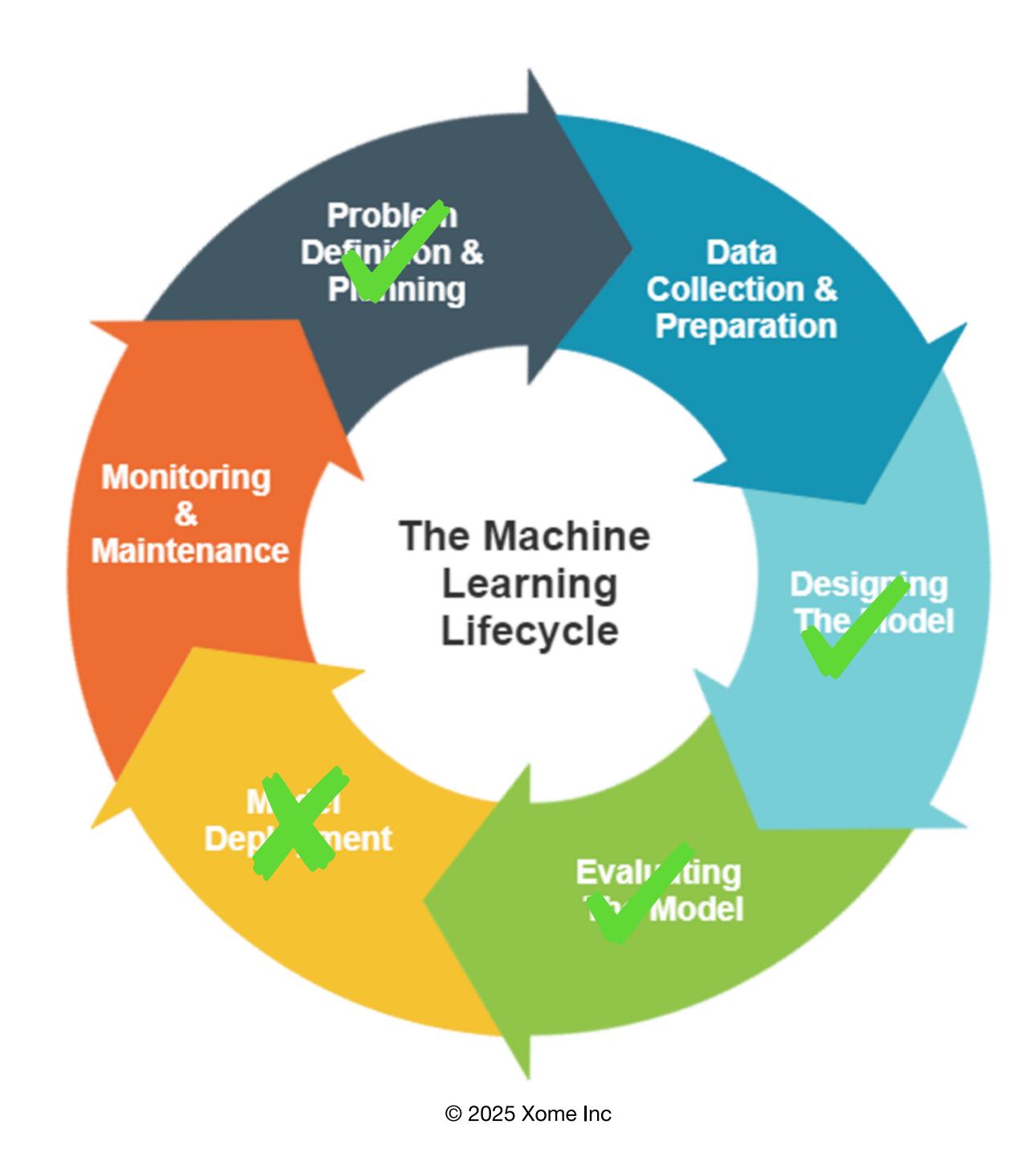
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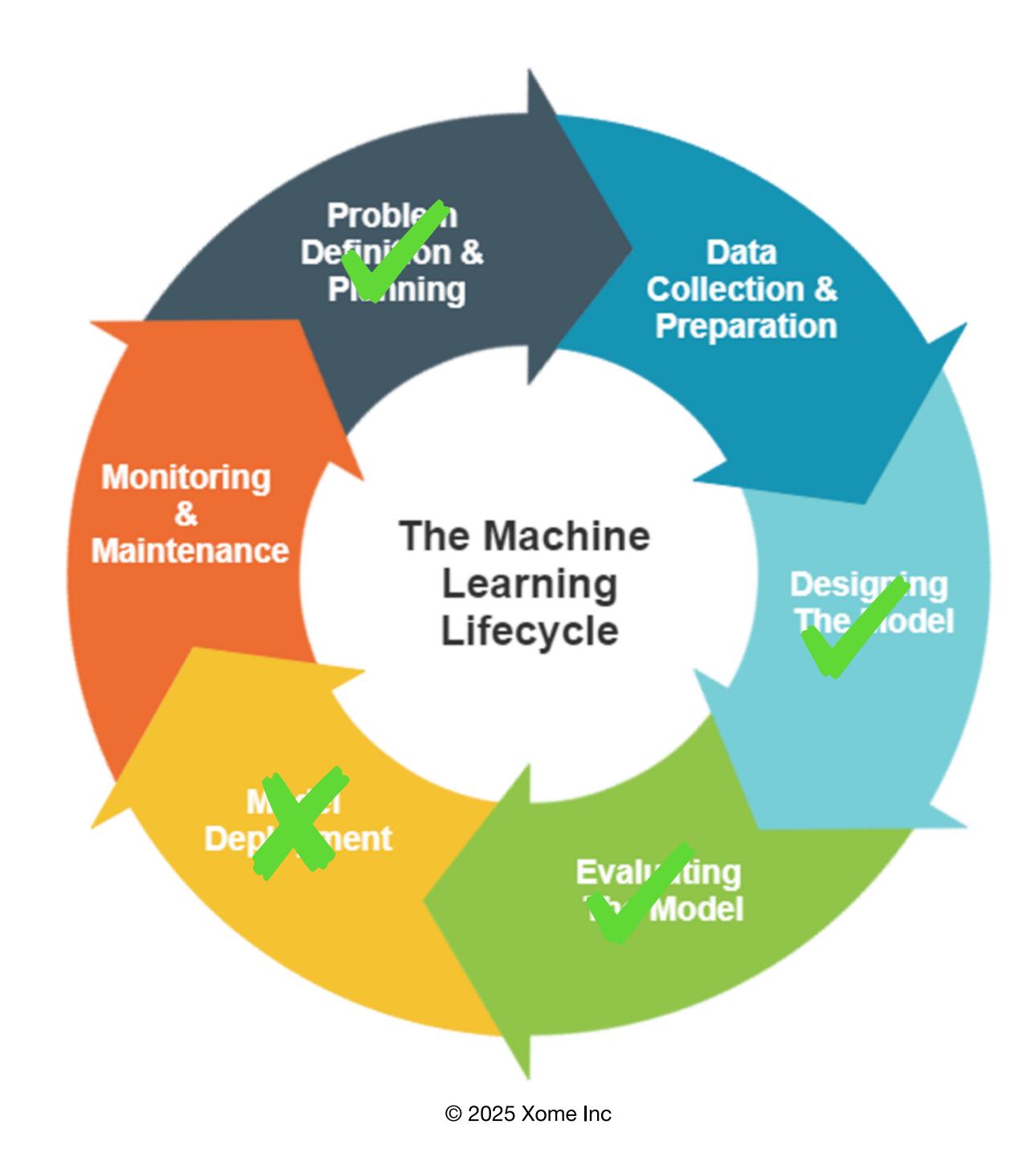
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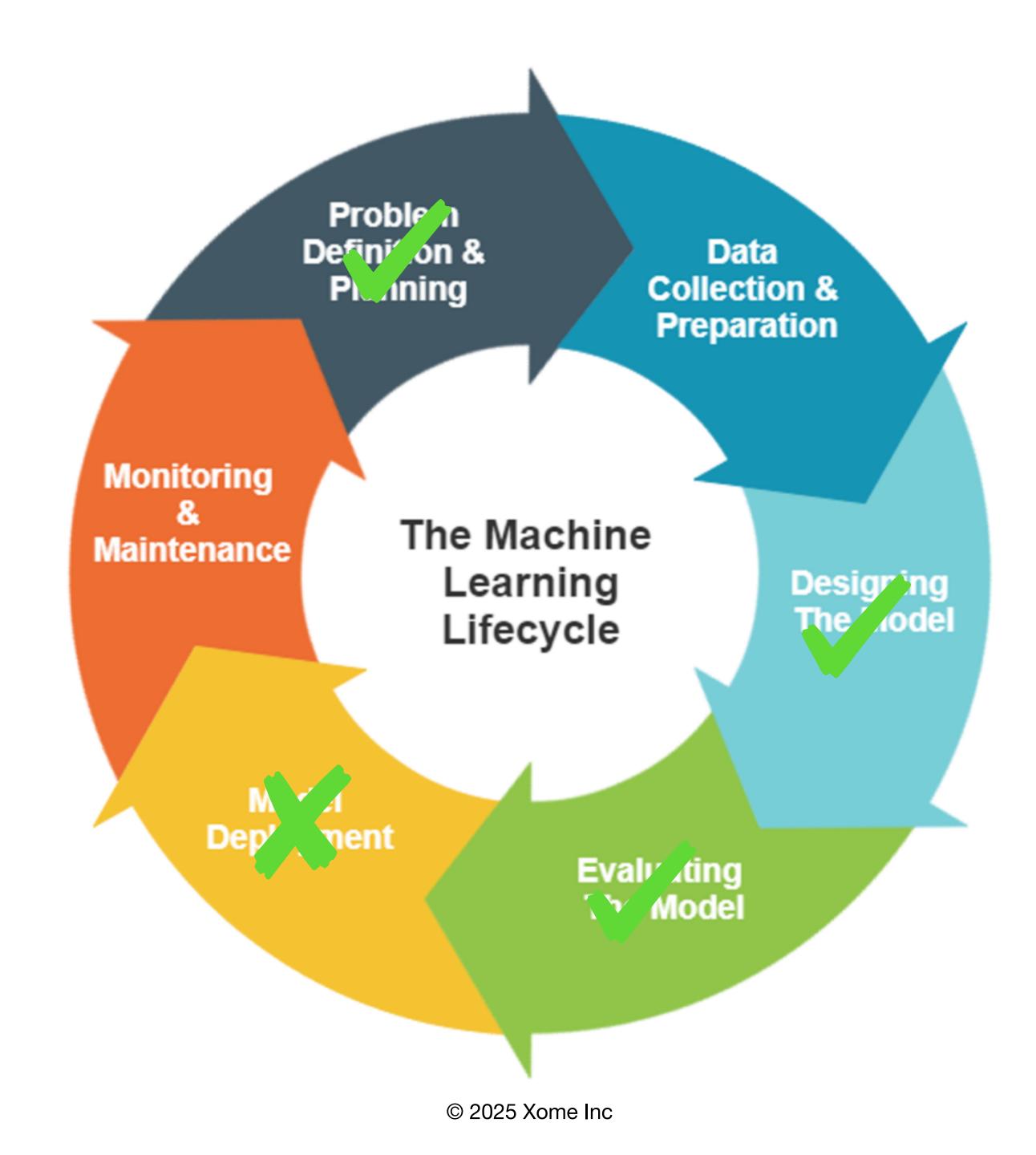
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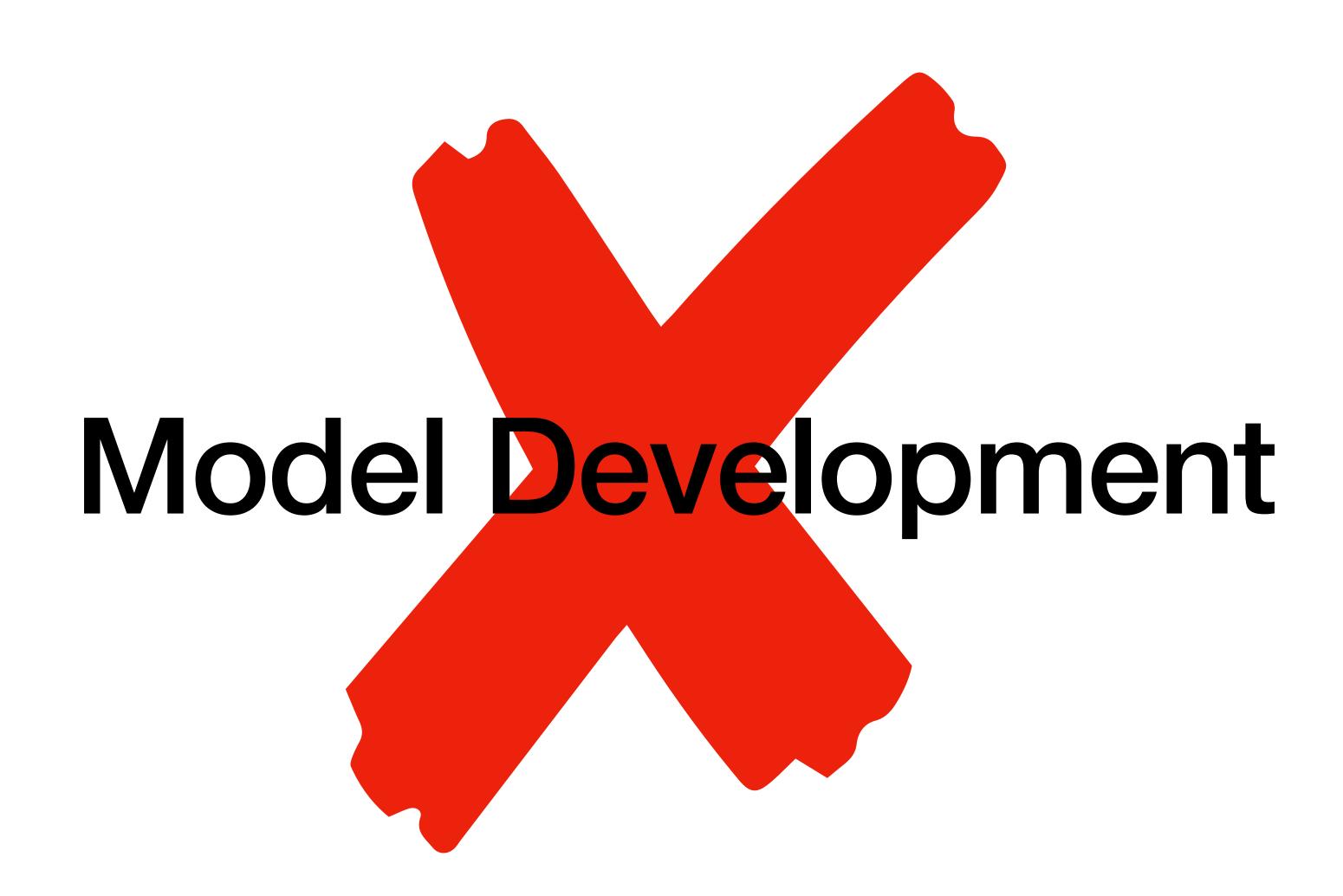
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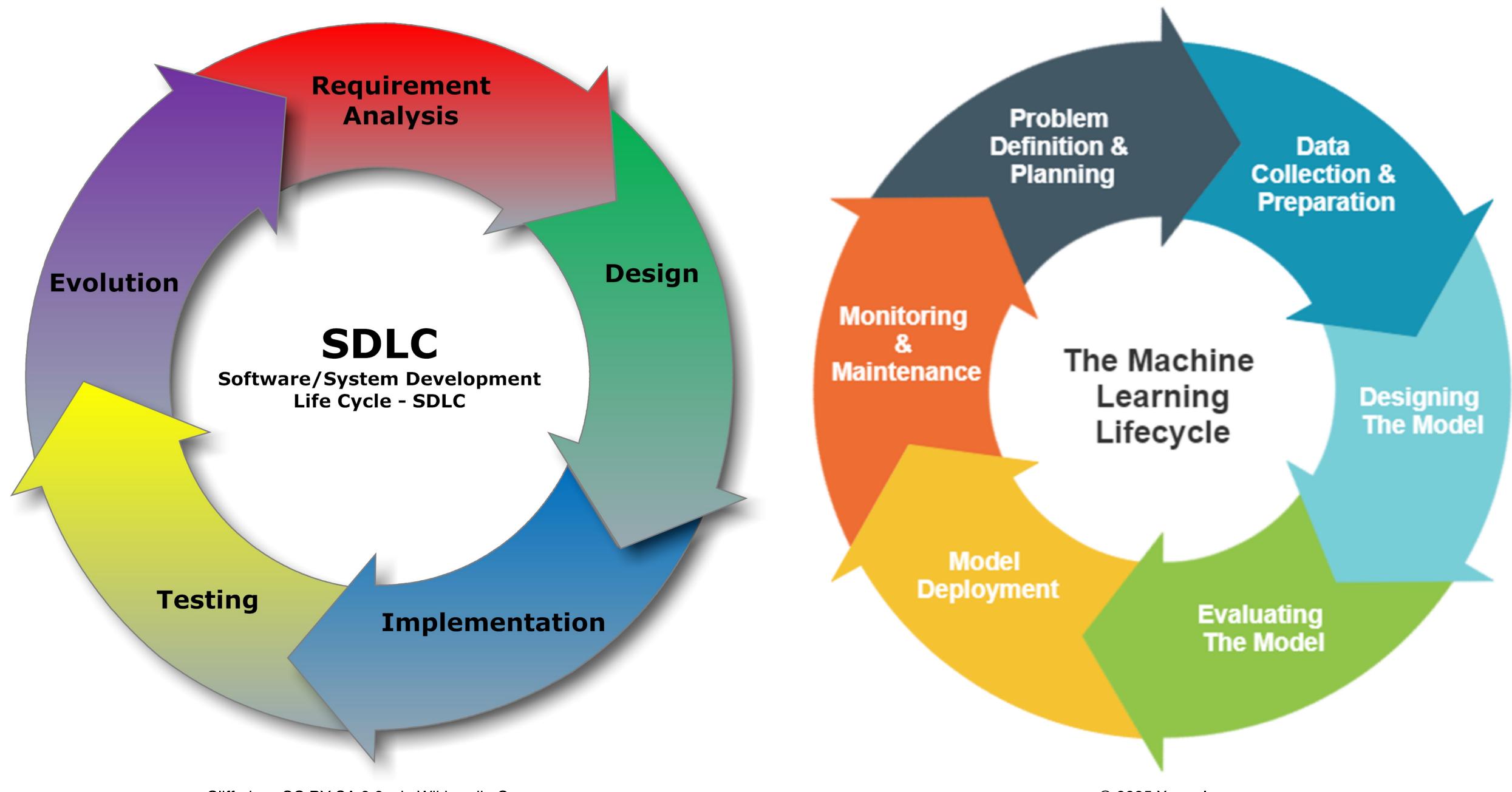


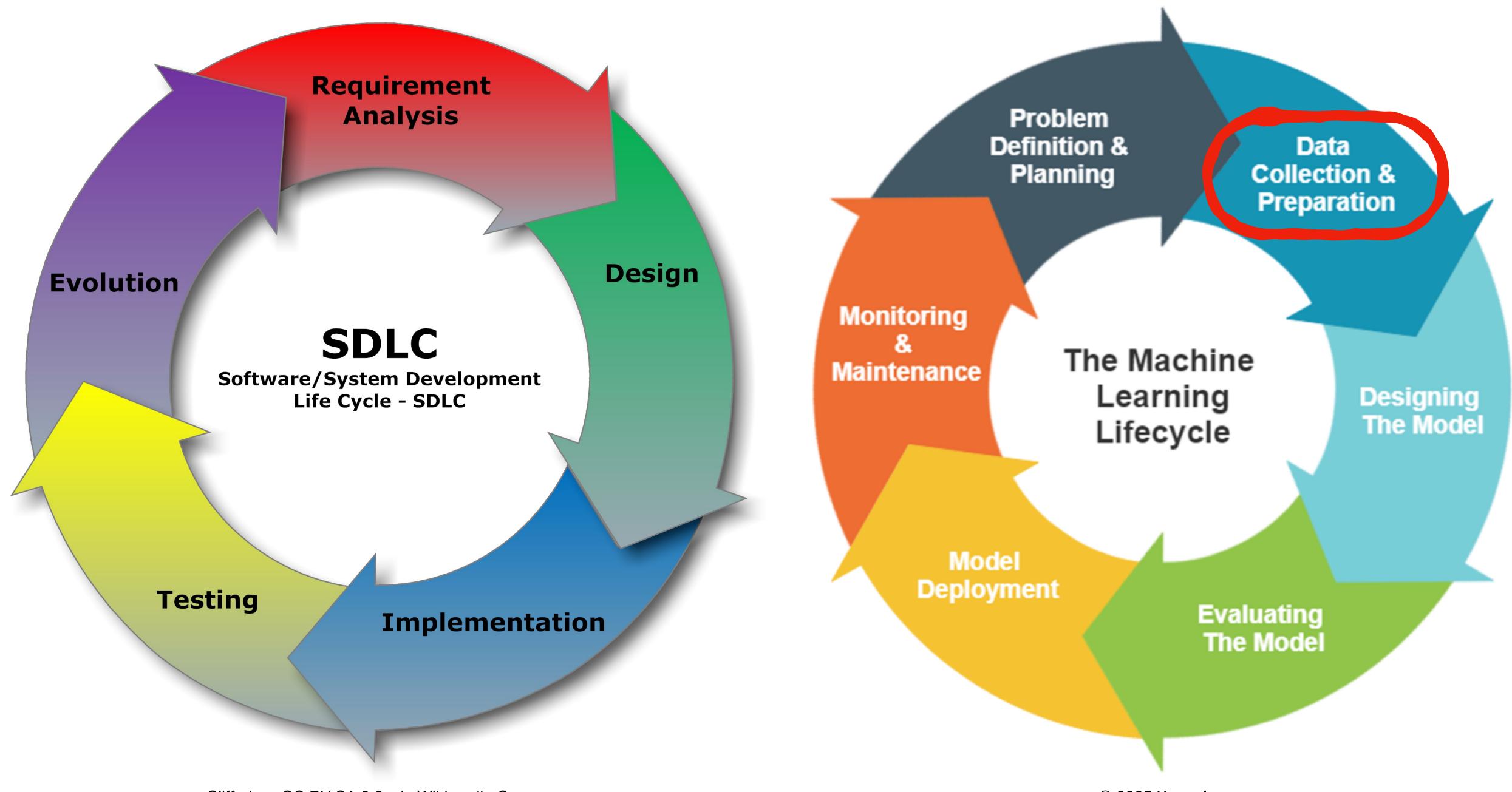
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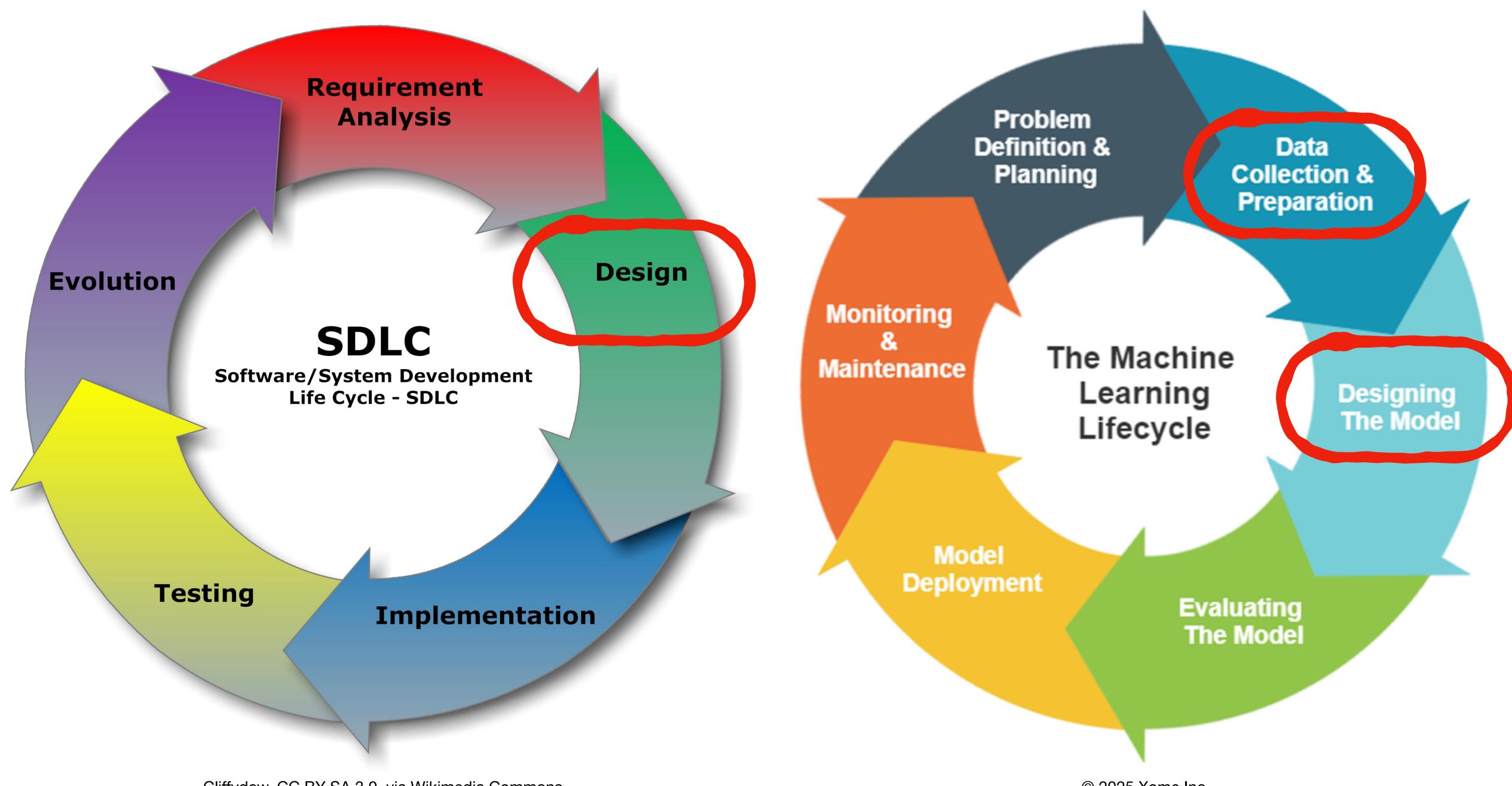


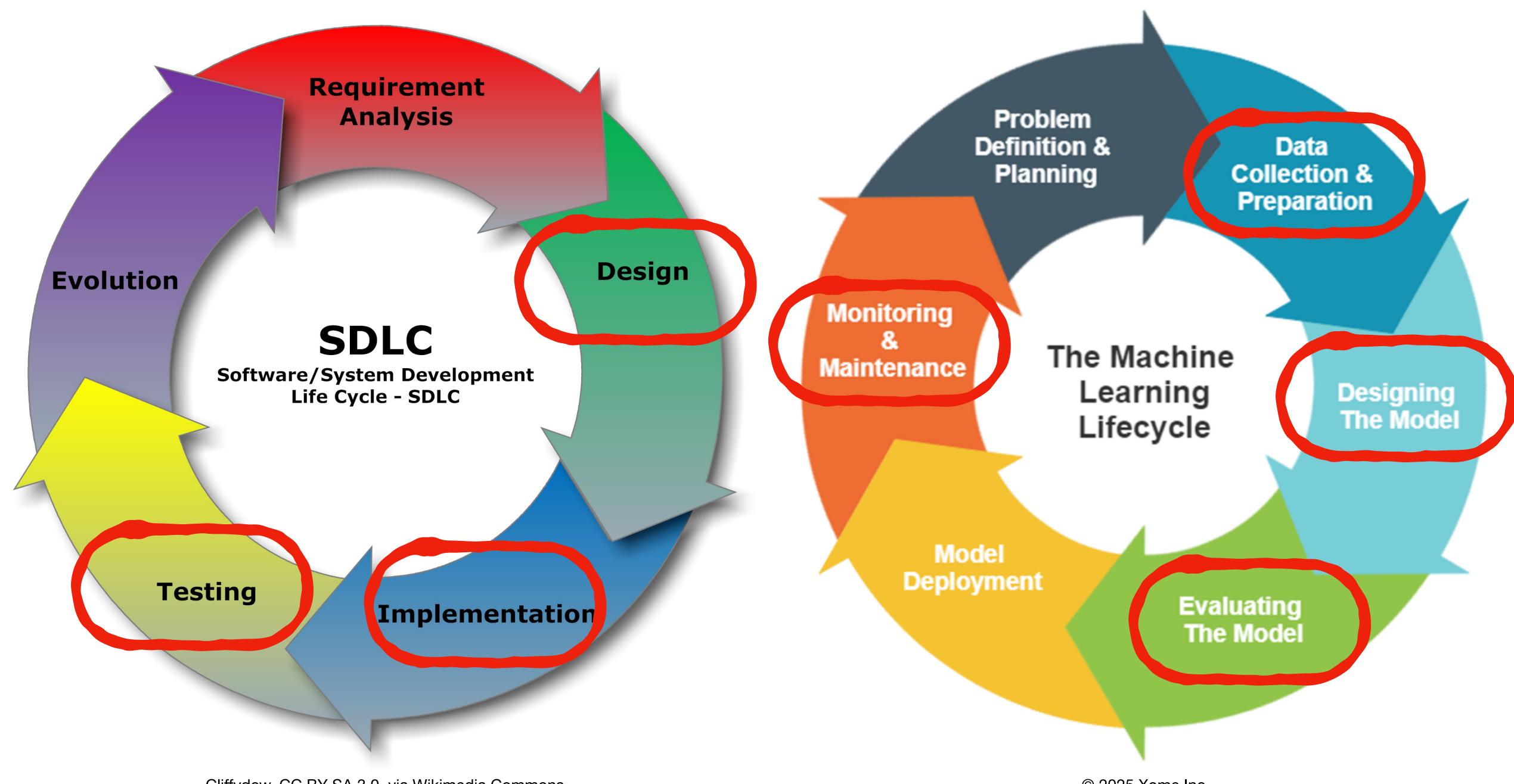
Data Gathering







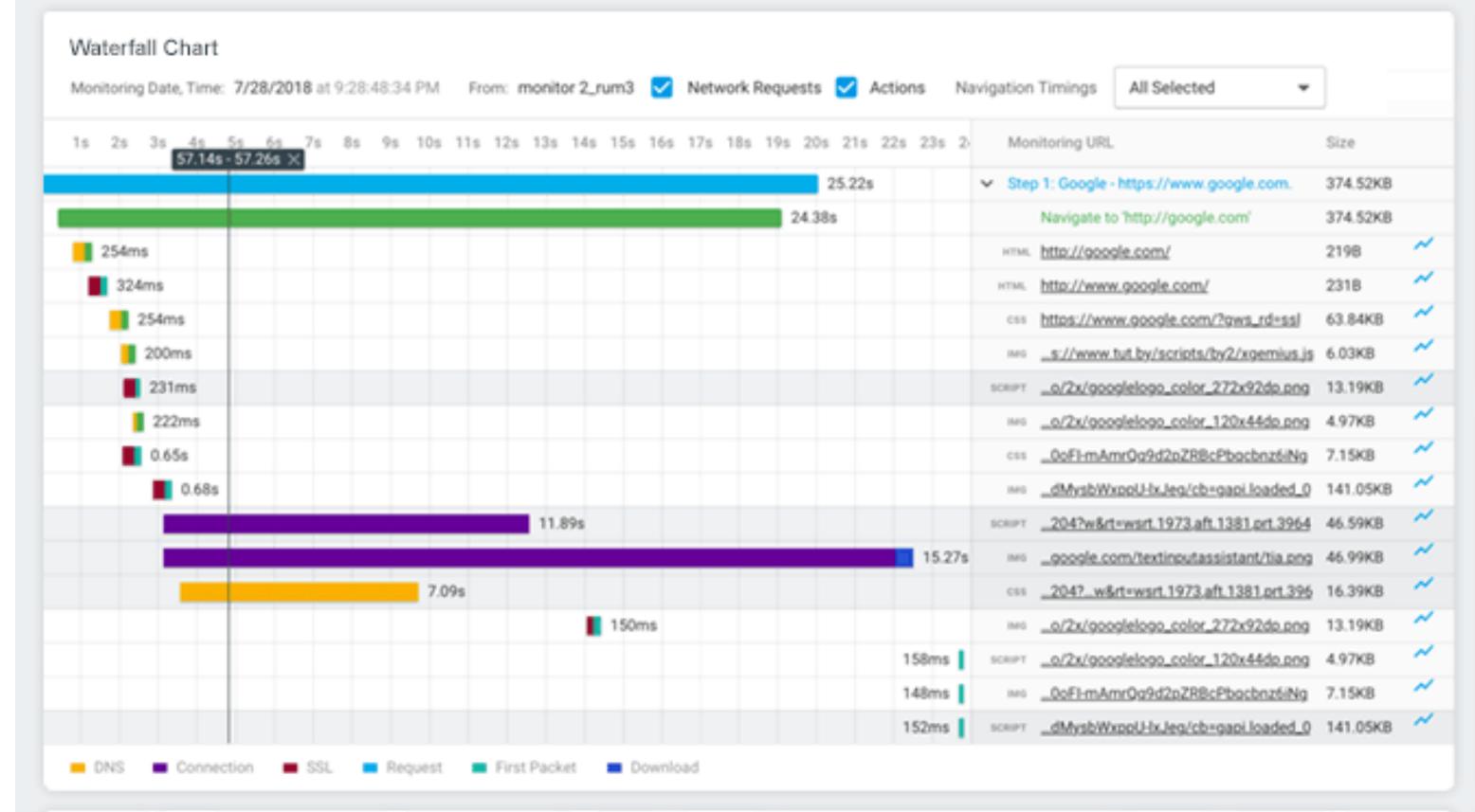


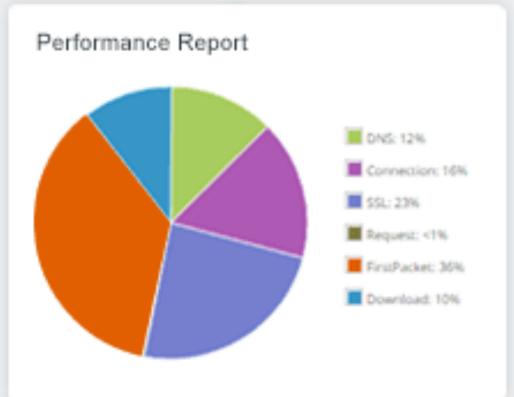


Data Gathering

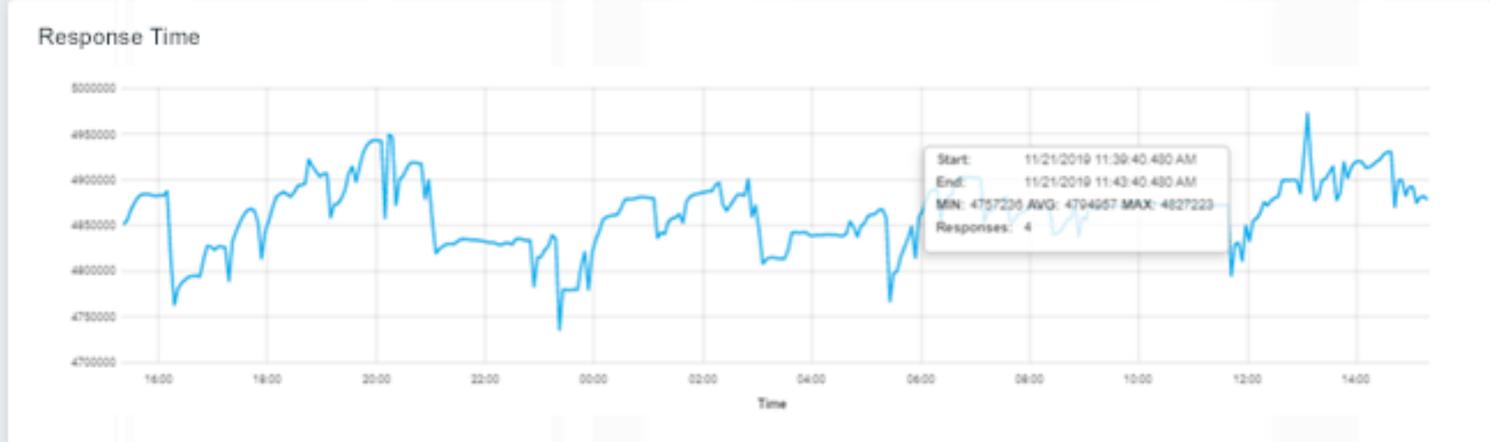
Performance Testing

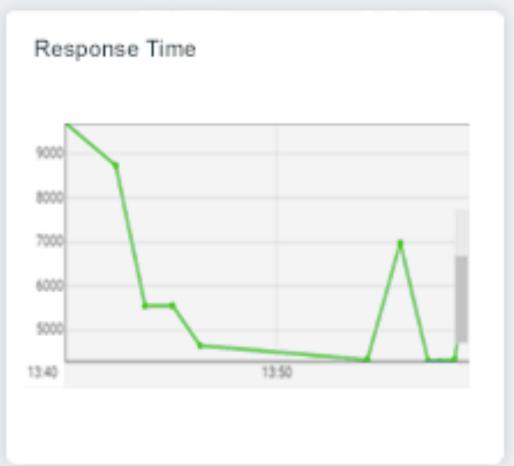




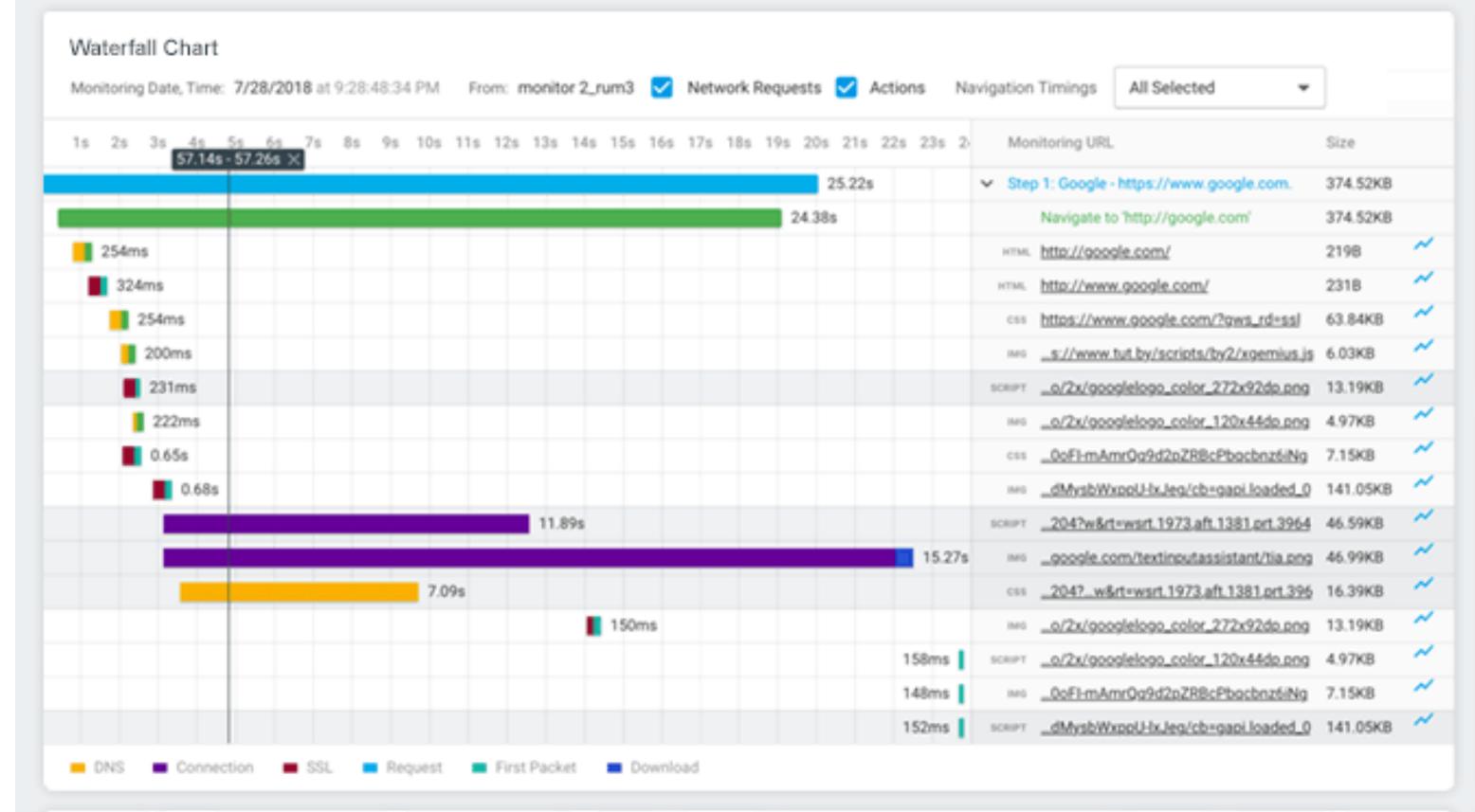


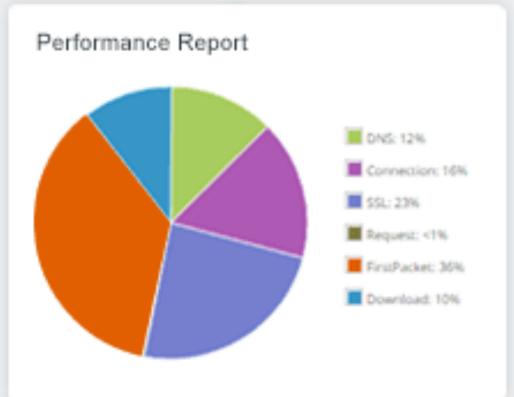




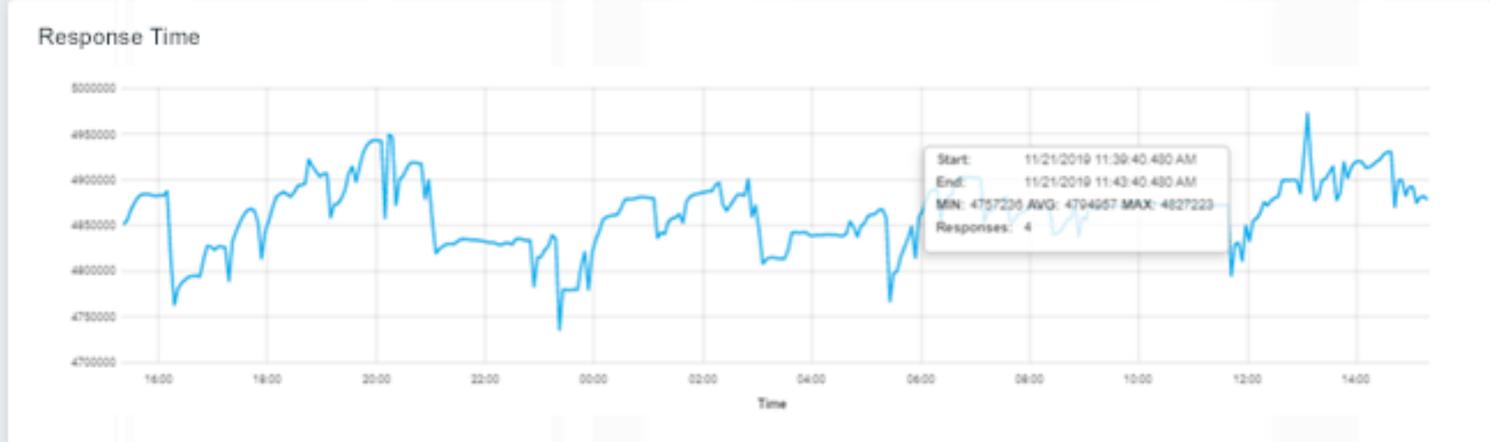


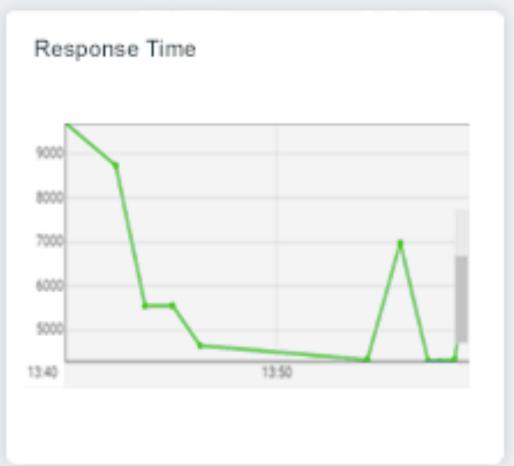








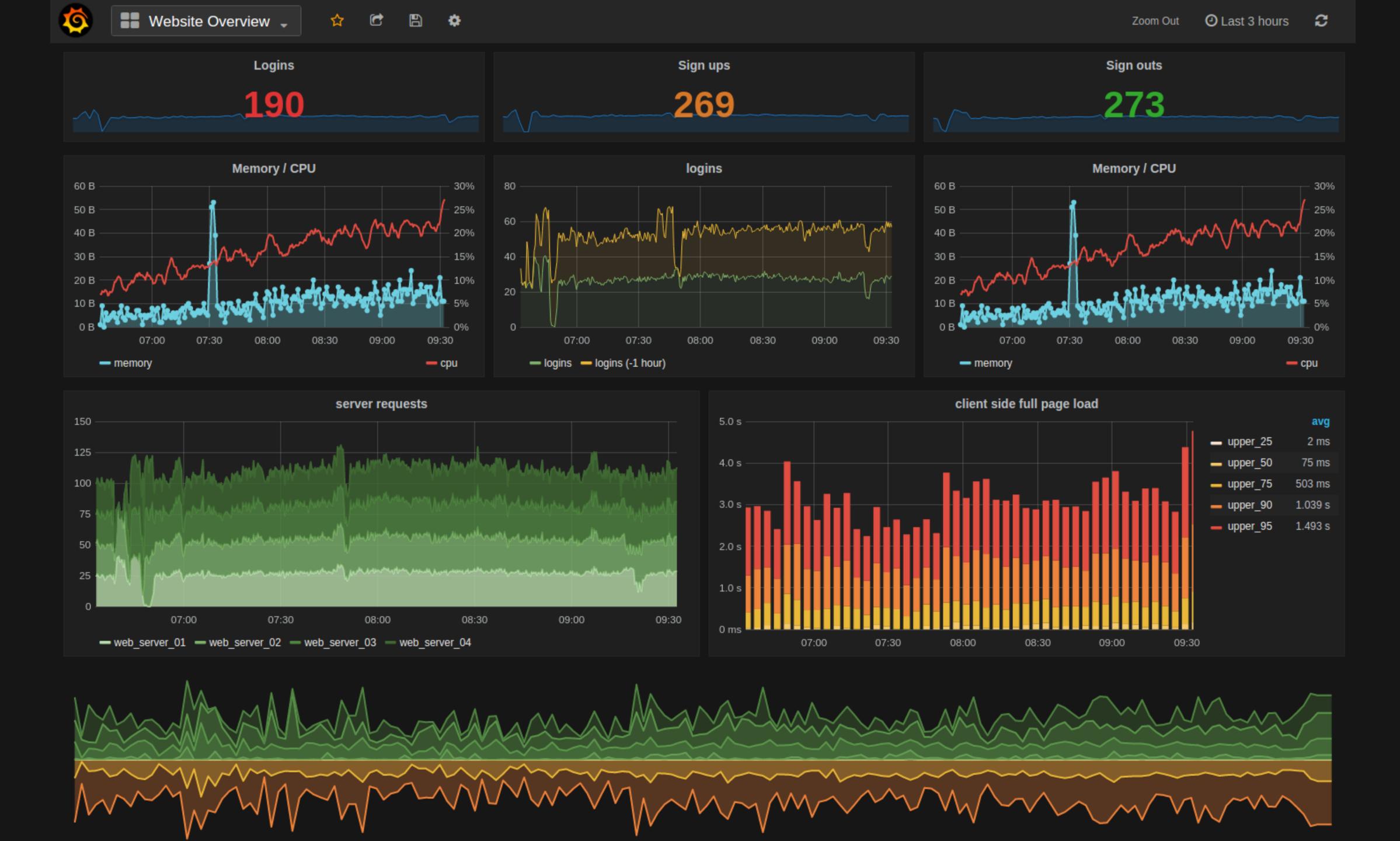


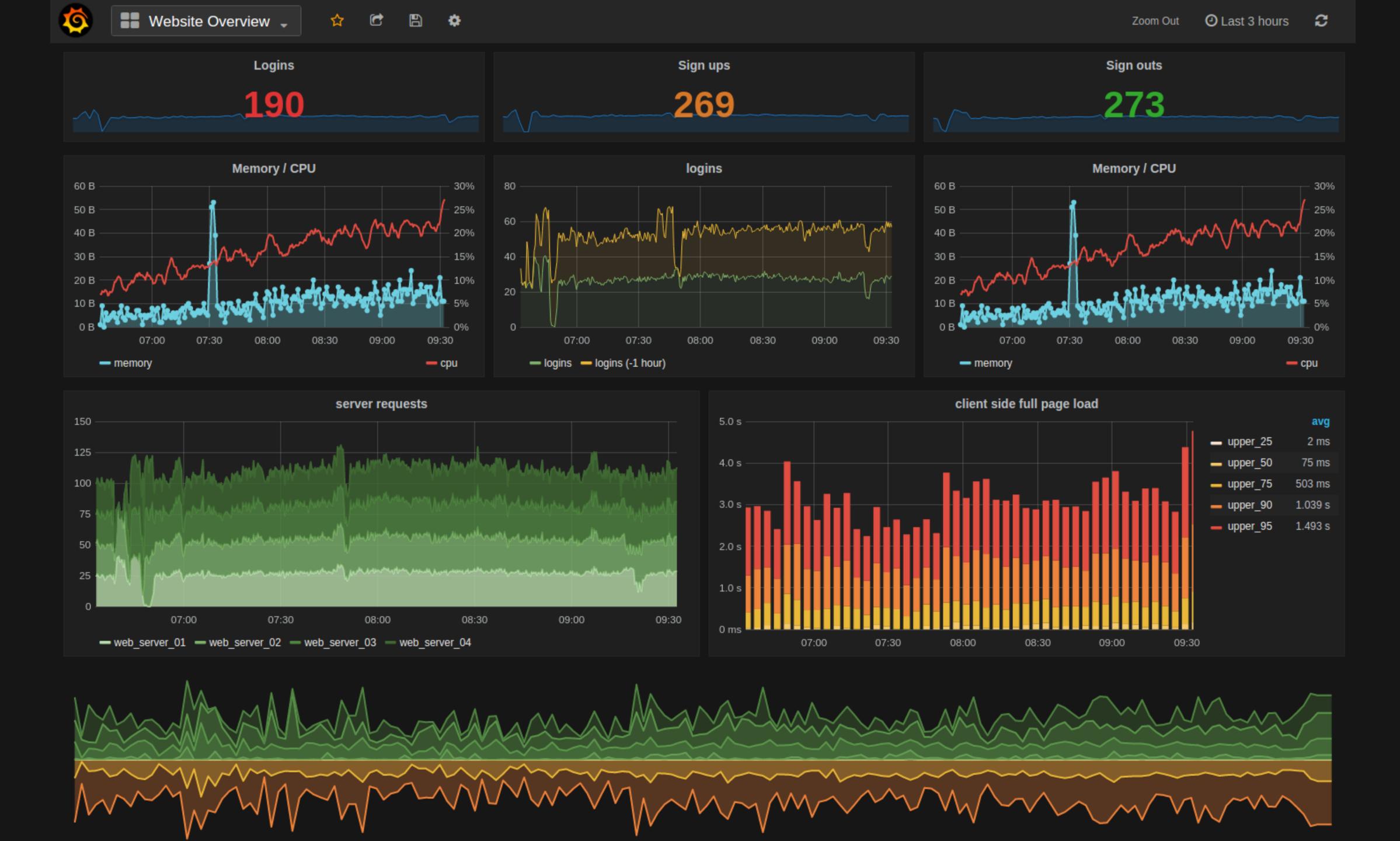


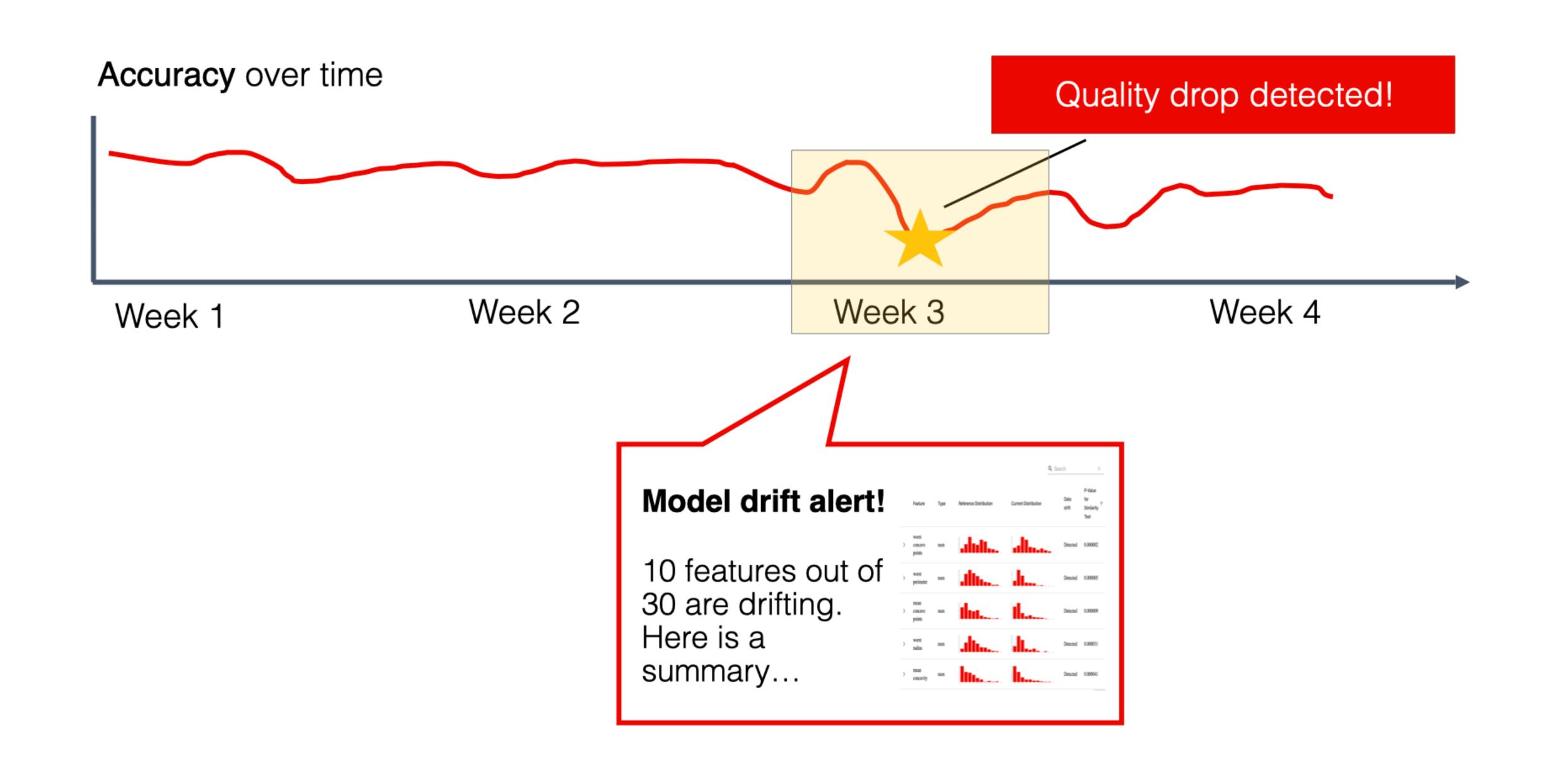
How wrong can I be?

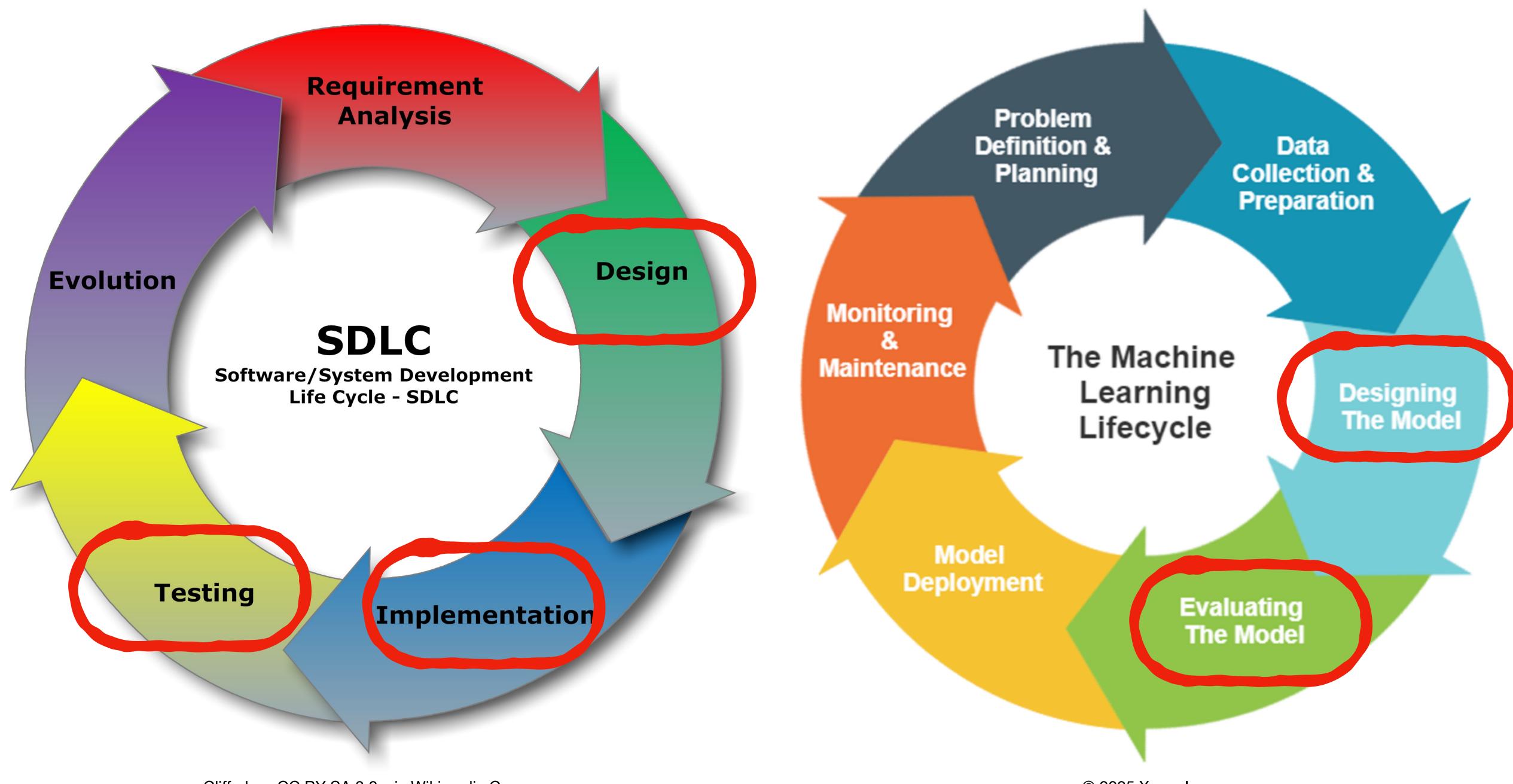
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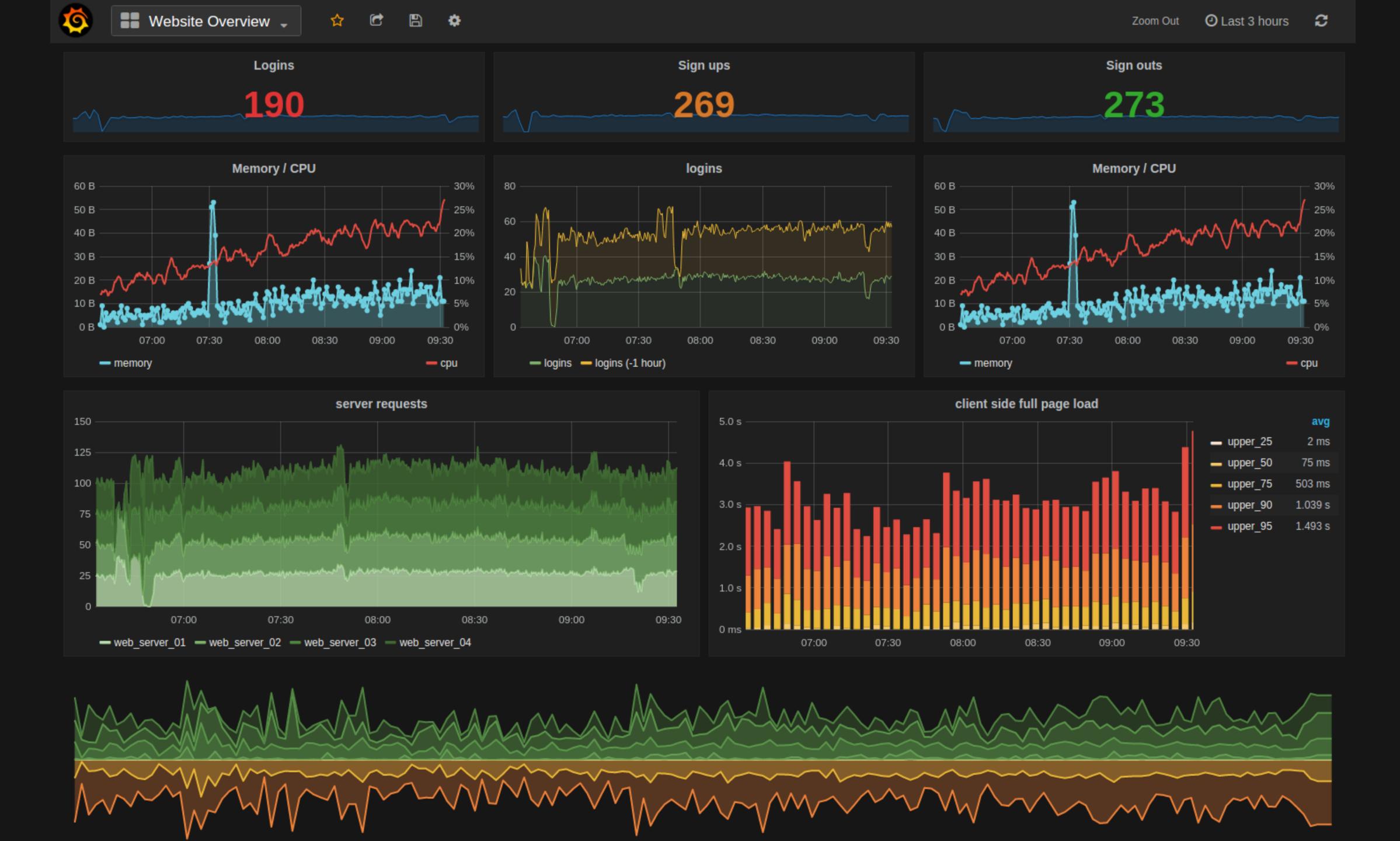
Monitoring











Resources

Learn more about ML Ops

- Al+ https://aiplus.training
- MLOps https://ml-ops.org
- NVIDIA https://developer.nvidia.com/blog/mastering-llm-techniques-llmops/

Feedback

https://confoo.ca/en/2025/ feedback/ C6D97B4D3AD086CD18220A 79734FB9C3

