

Meta-analysis of the machine learning operations open source ecosystem

Florida Polytechnic University

Isabel Zimmerman

4/26/23

Introduction

What is MLOps

Literature review

MLOps and DevOps

DevOps seeks to shorten the cycle between development and

DEVOPS CYCLE

MLOps and DevOps

MLOPS CYCLE

Tasks and tools

Methodology

Data gathering

Exploratory data analysis

Exploratory data analysis

Modeling

Modeling

Discussion

Profiling the space

- recency



Profiling the space

- recency
- size



Profiling the space

- recency
- size
- contribution rate



A space of learners

Cloud tooling prevalence

Further work

- repeat this study with all data science and machine learning tags
- opinionated workflow
- survival analysis

Conclusion

- MLOps is a new field built from established practices
- Much content is built around learning MLOps