



RStudio Enterprise Meetup

Julia Silge & Isabel Zimmerman September 20, 2022

Who are we?



- @isabelizimm
- @isabelizimm
- isabelizimm.github.io



- (7) @juliasilge
- @juliasilge

Who are you?

Who are you?



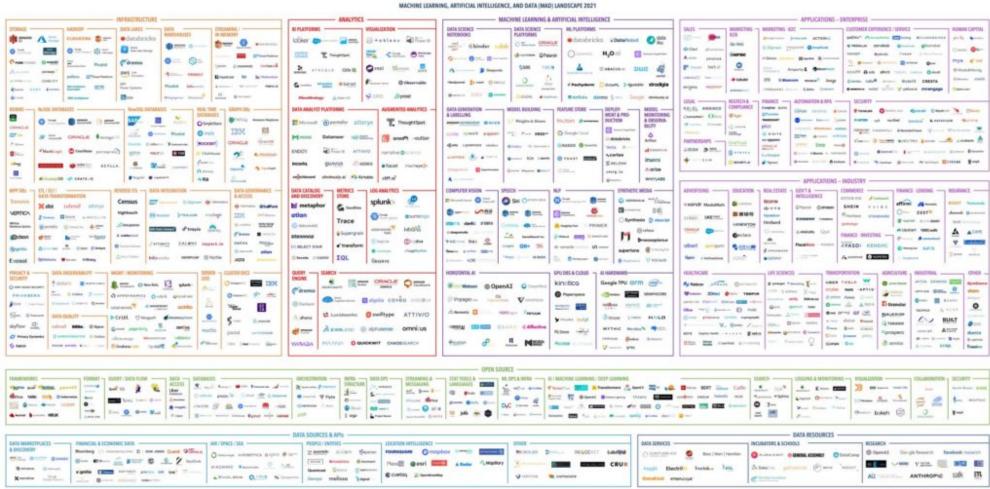
If you develop a model...

you can operationalize that model!

If you develop a model...

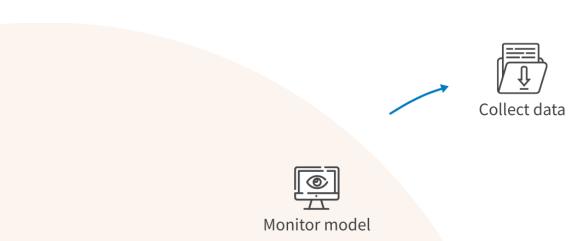
you likely should operationalize that model!

What is MLOps?

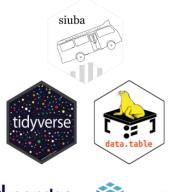




a set of <u>practices</u> to *deploy* and *maintain* machine learning models in production **reliably** and **efficiently**





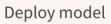














Train and evaluate model











Version model



Versioning

managing change in models

- Versioning
- Deploying

putting models in REST APIs

- Versioning
- Deploying
- Monitoring

tracking model performance

DEMO

We did it!



a set of <u>practices</u> to *deploy* and *maintain* machine learning models in production **reliably** and **efficiently**

What does vetiver do?

- Version
- Deploy
- Monitor

your R and Python models

What kinds of models do you commonly use?

Where does vetiver work?

- RStudio's pro products, like Connect
- A public or private cloud, using Docker

Learn more

- Documentation at https://vetiver.rstudio.com/
- Isabel's talk from rstudio::conf() 2022 on Demystifying MLOps
- Julia's recent screencast on deploying a model with Docker
- End-to-end demos from RStudio Solution Engineering in R and Python