Training and Deploying Machine Learning Models

Seminary 4

Content

- Low/no code landscape
- No-code AI
  - Roboflow
  - Obviously.ai
  - Torch Hub
- Local Deploy
  - Python Flask

roboflow

- Create a workspace and project
- Upload/Clone Images
- Annotate:
  - Model-Assisted Labeling
- Create a Dataset Version
- Train
- Deploy
  - inference

obviously.ai

- Load tabular data
- Train model
- Request prediction via API

Flask

Flask

- Python web framework
- RESTful request dispatching
  - Representational State Transfer
  - rules that define how applications or devices can connect to and communicate with each other

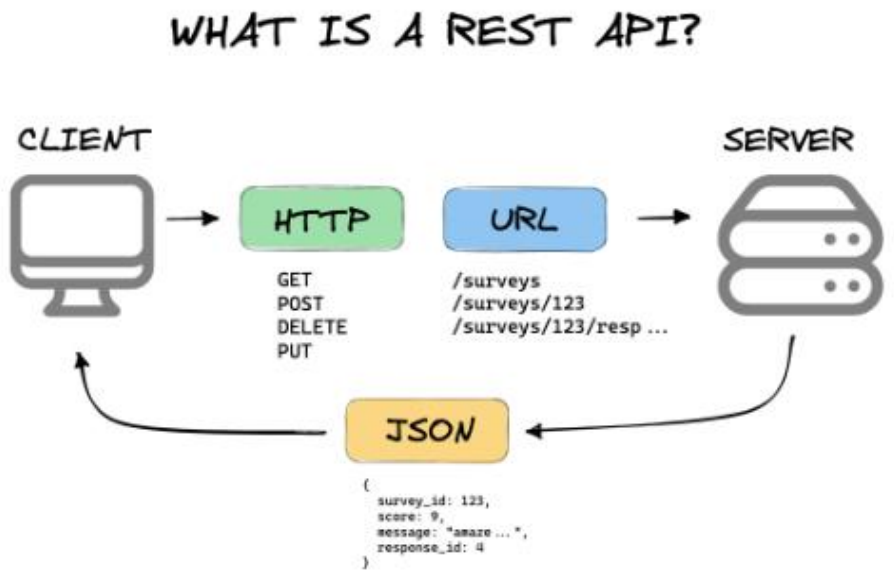

Image: https://mannhowie.com/rest-api

References

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- https://blog.roboflow.com/inference-python/
- https://github.com/autodistill/autodistill
- https://roboflow.com/model/segment-anything-model-sam
- https://obviously.ai