

Beyond Inference: Bringing ML into Production

DevConf.CZ 2021

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Forward Deployed AI Engineering

Things to learn

What is model serving?

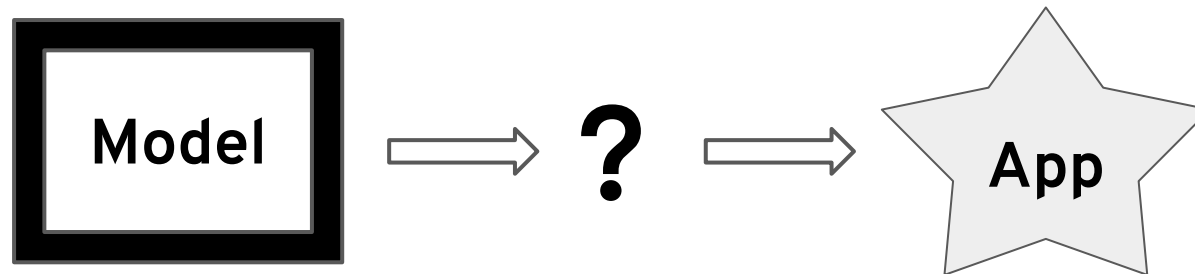
What features of model serving can I utilize?

How can I deploy a model?

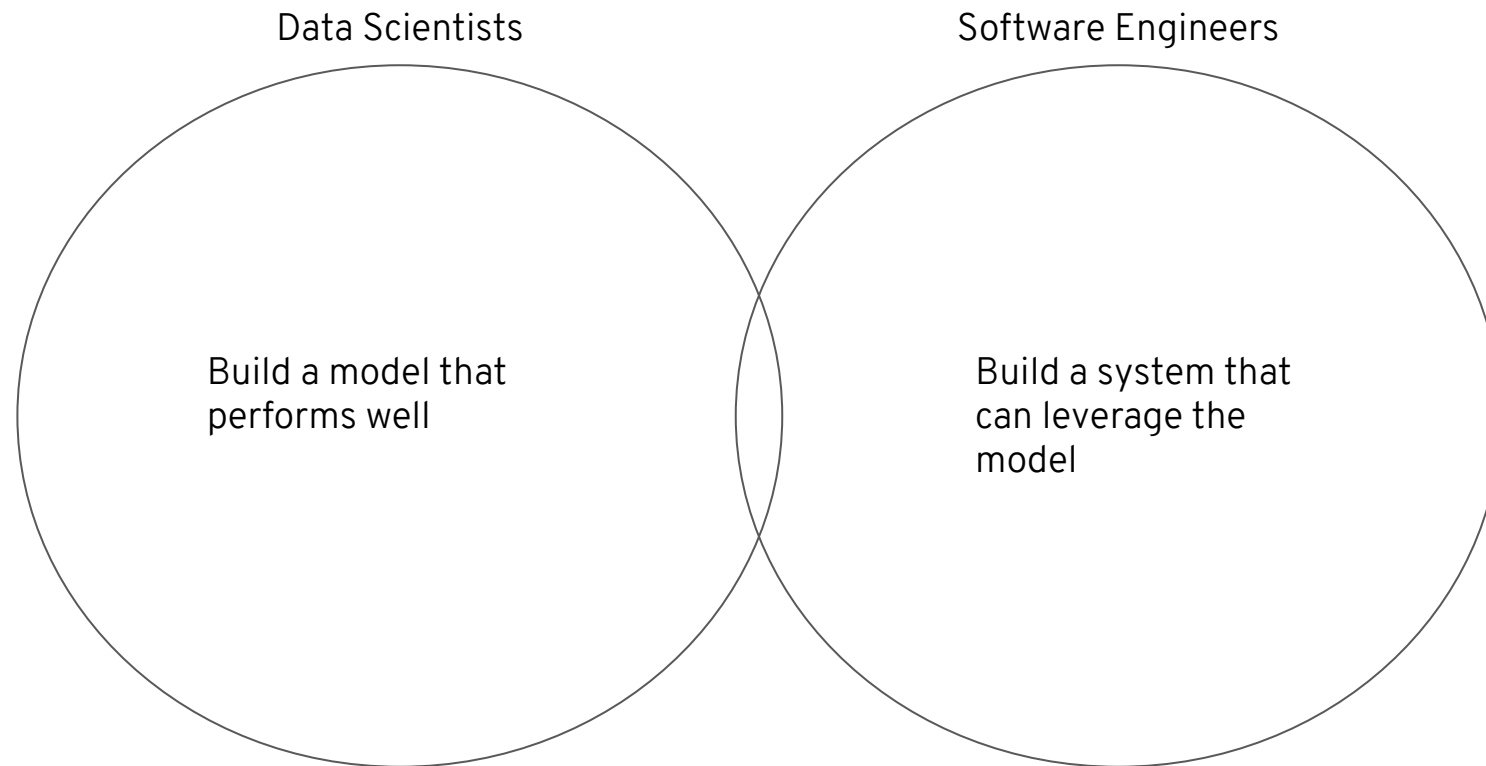


Why model serving?

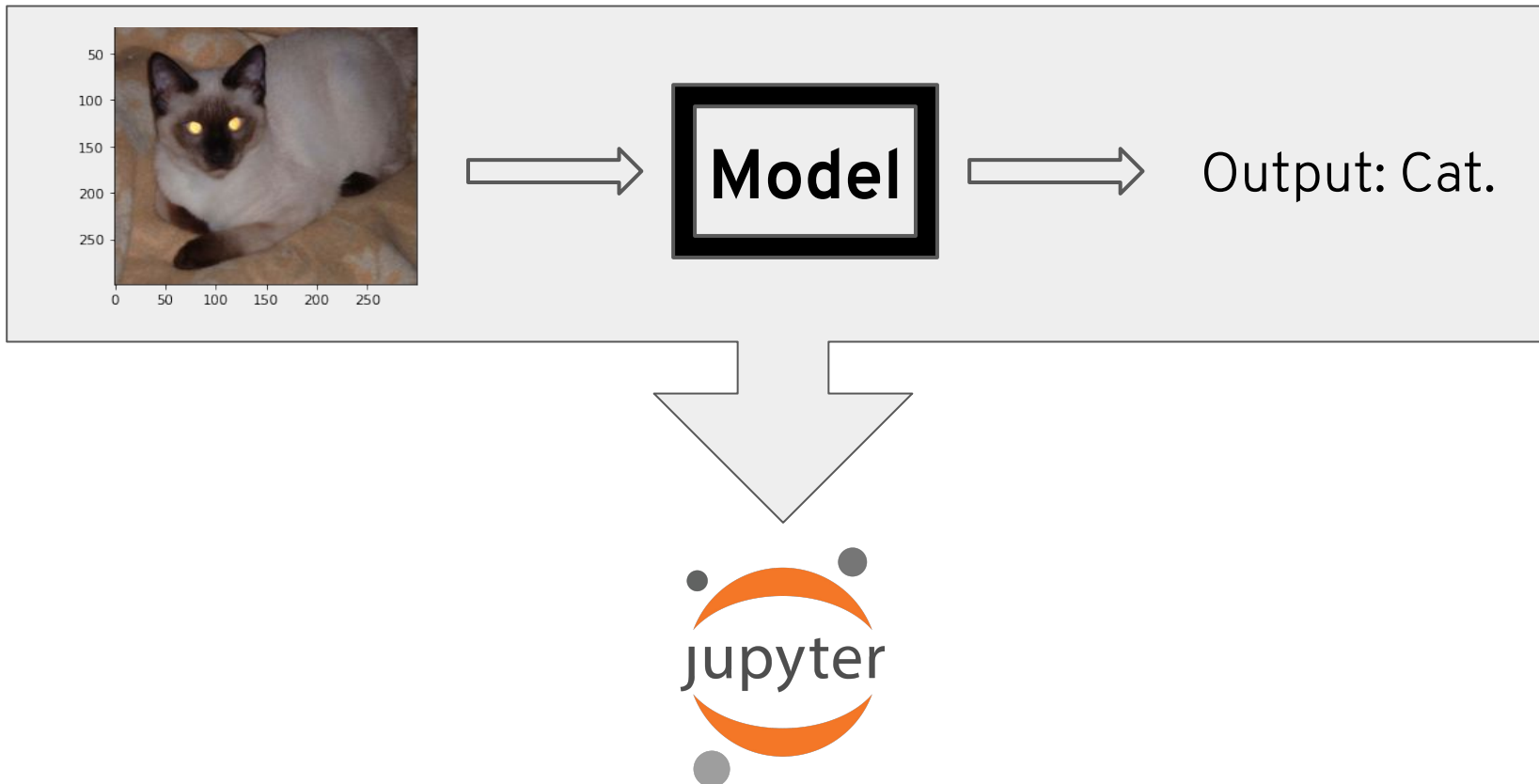
Why do we need model serving?



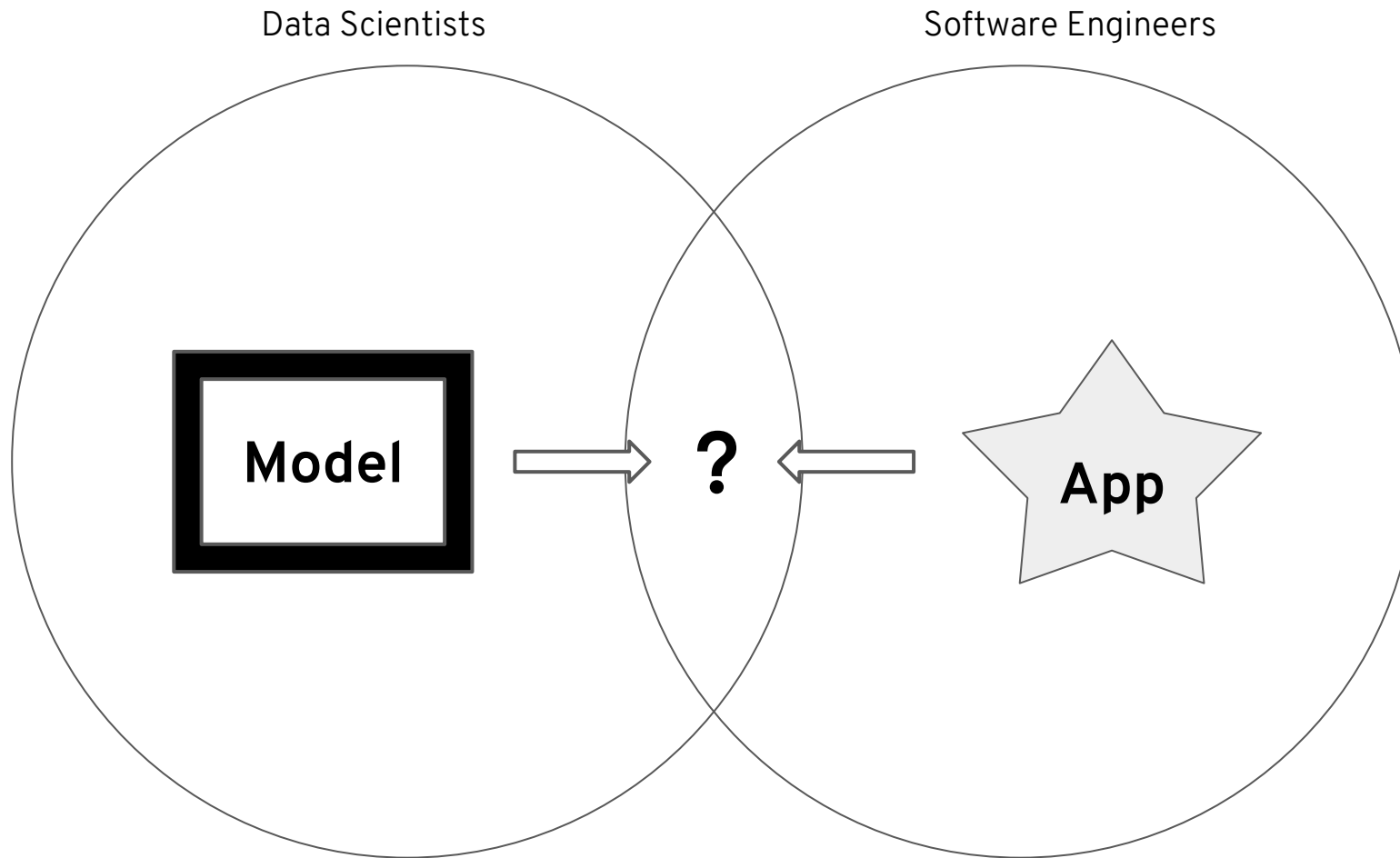
Do we need model serving?



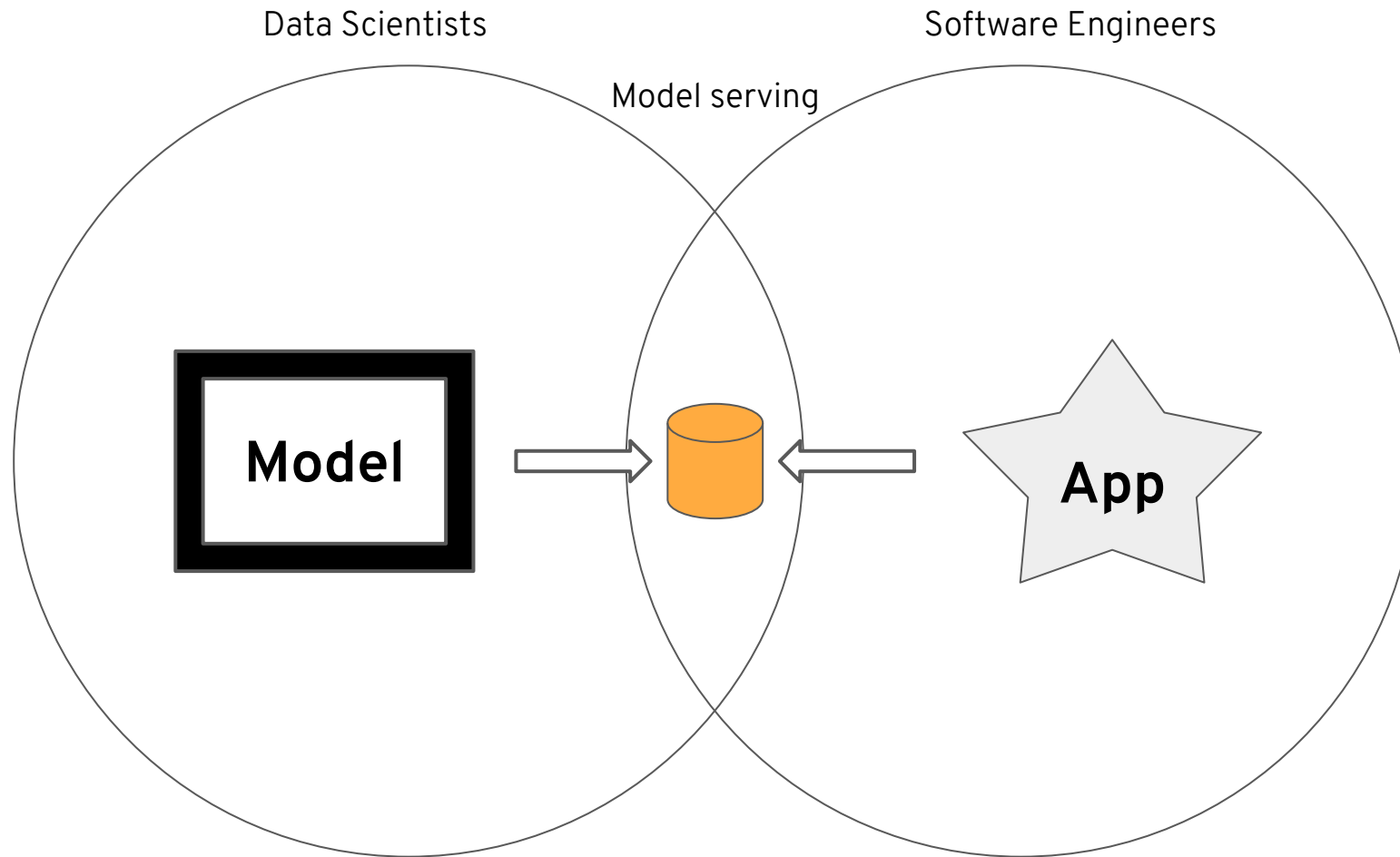
How do models act?

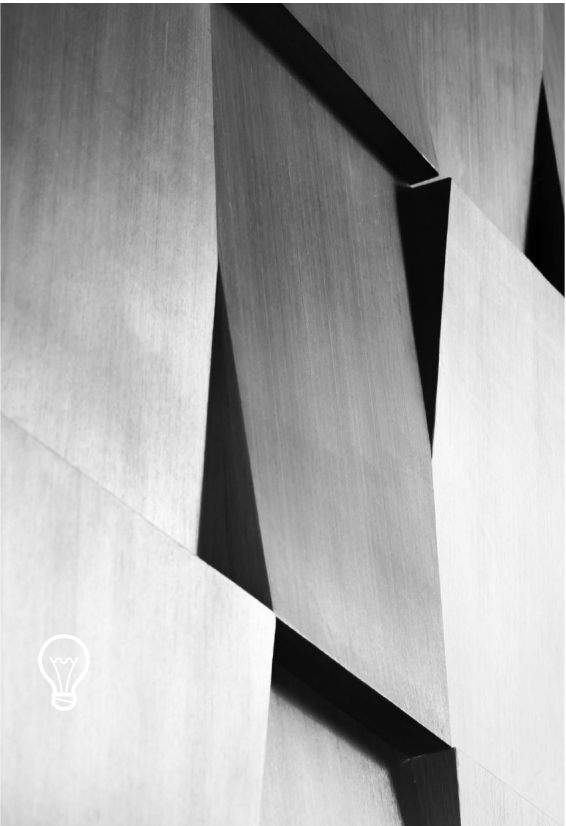


What is model serving?



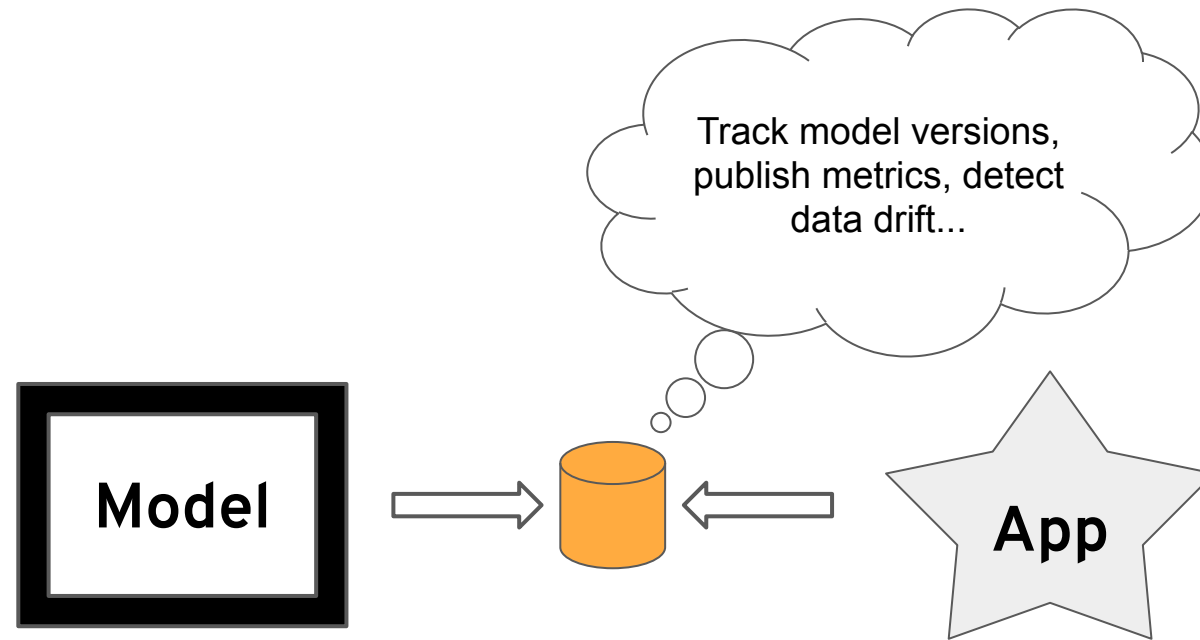
What is model serving?



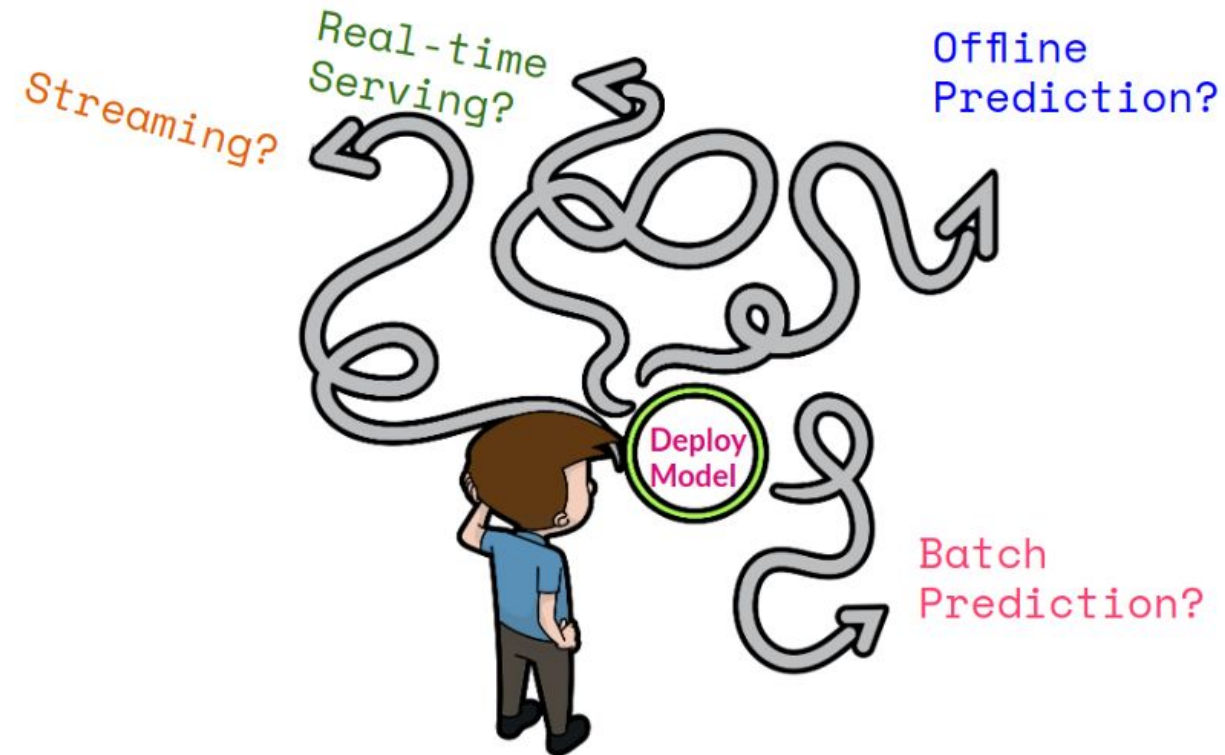


What features should we look for?

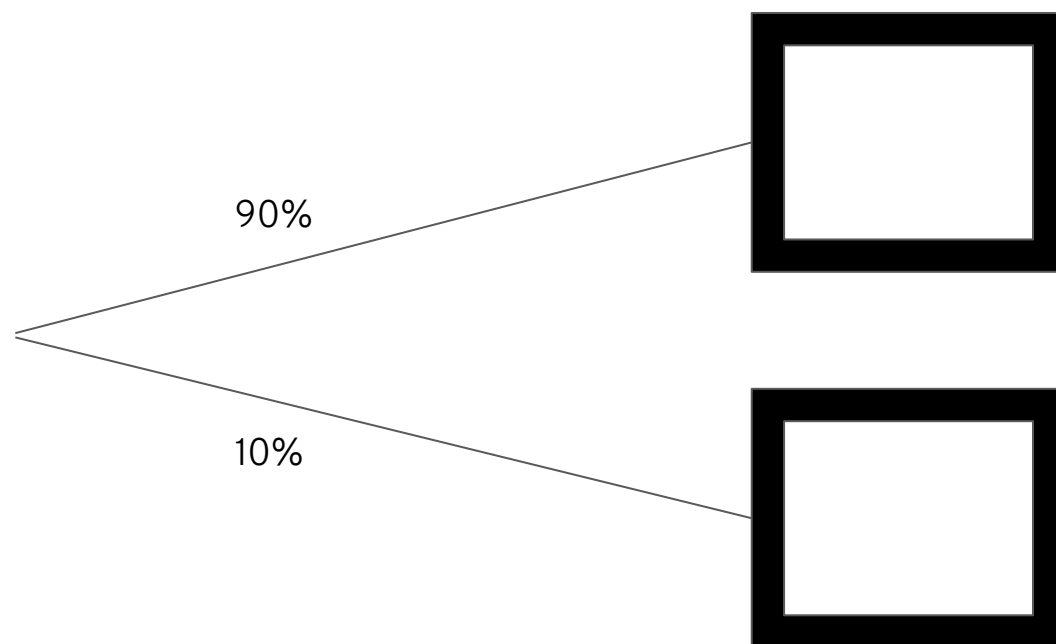
How can we make model servers more useful?



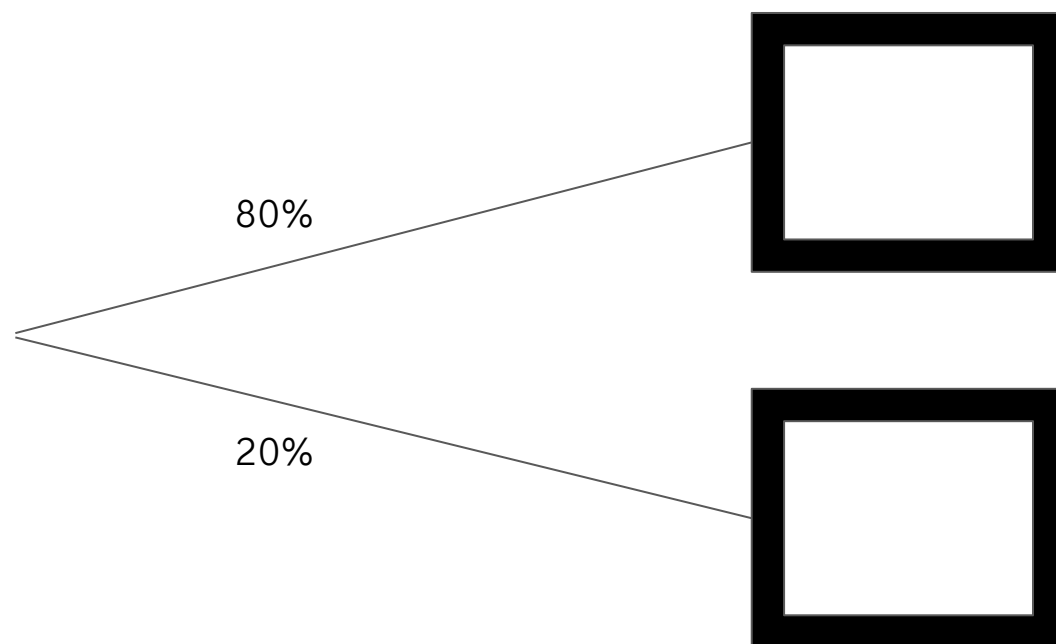
How are you deploying?



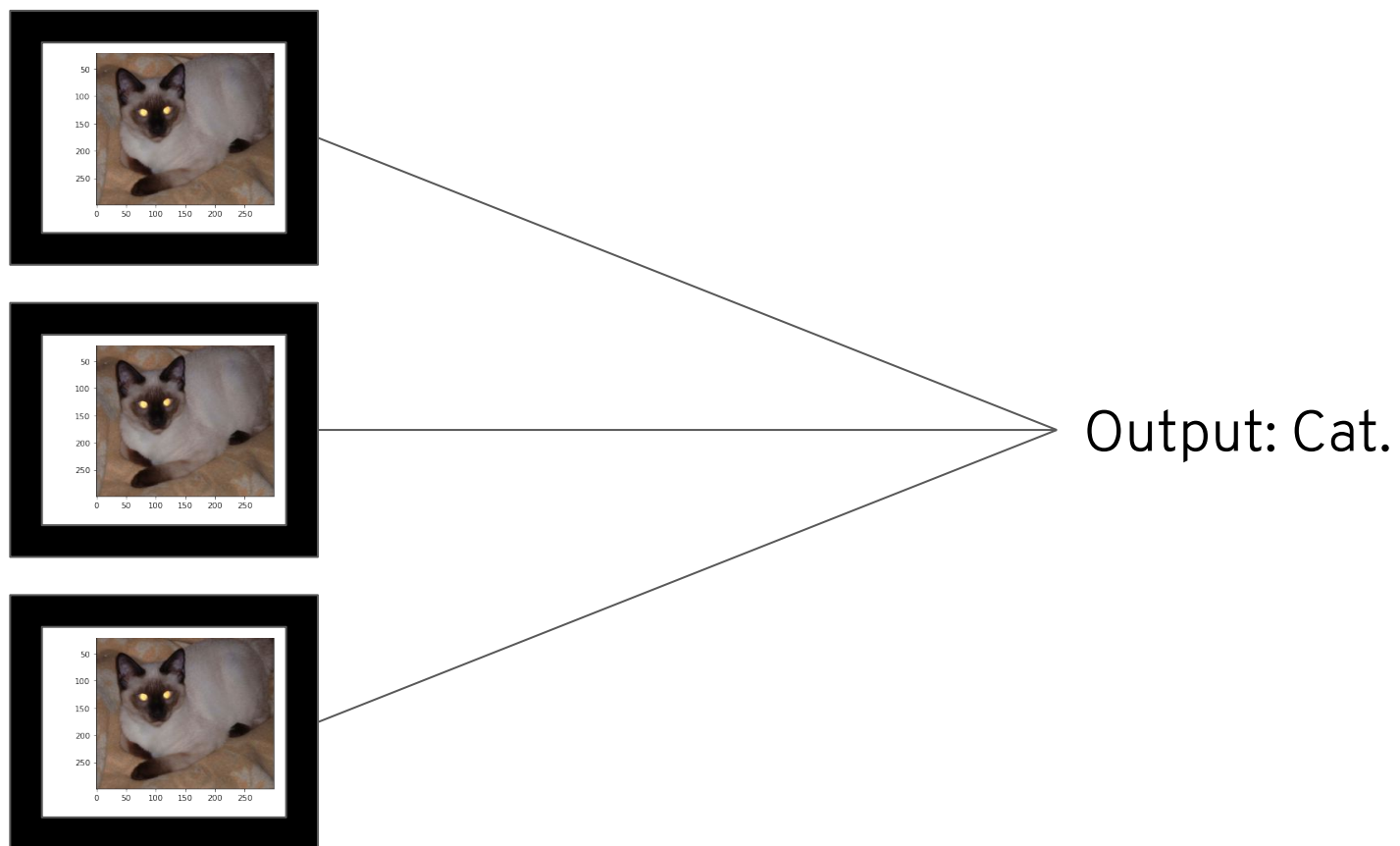
A/B Testing



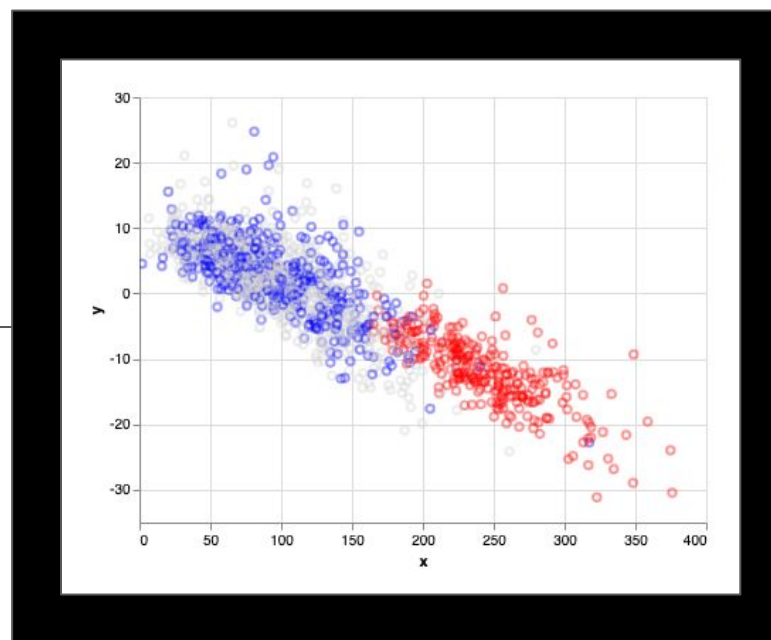
A/B Testing



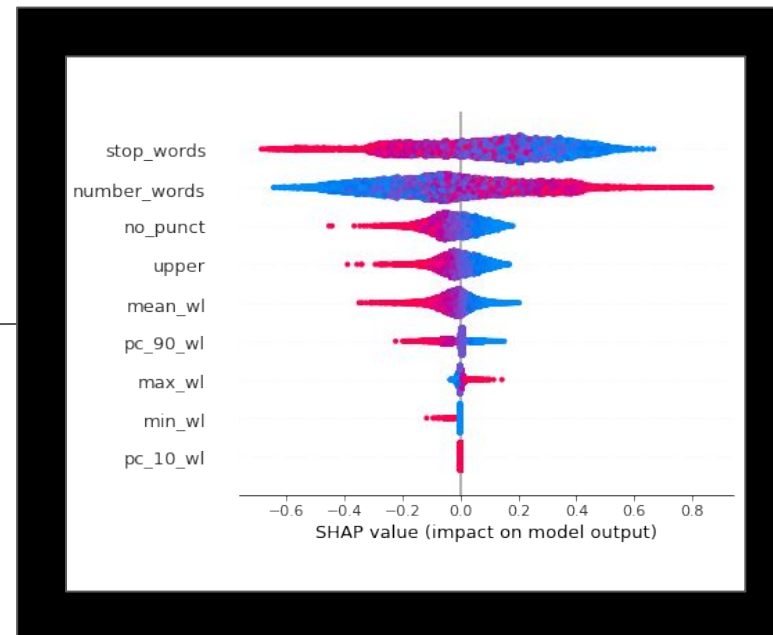
Ensemble

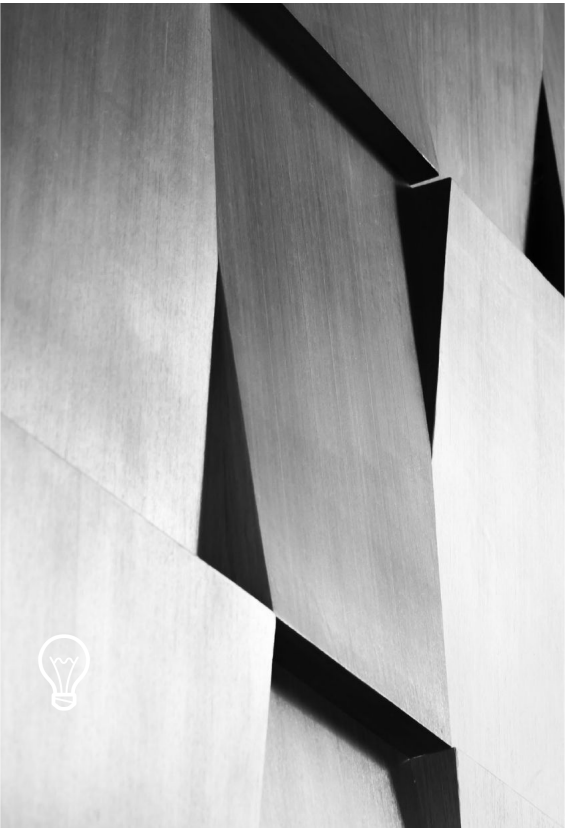


Data Drift



Explainability





How do I deploy a model?

```
apiVersion: machinelearning.seldon.io/v1
kind: SeldonDeployment
metadata:
  name: image-default
  namespace: seldon
spec:
  name: income
  predictors:
  - graph:
      children: []
      implementation: SKLEARN_SERVER
      modelUri: gs://seldon-models/sklearn/image/model-0.23.2
      name: classifier
      explainer:
        type: AnchorTabular
        modelUri: gs://seldon-models/sklearn/image/explainer-py36-0.5.2
      name: default
      replicas: 1
```





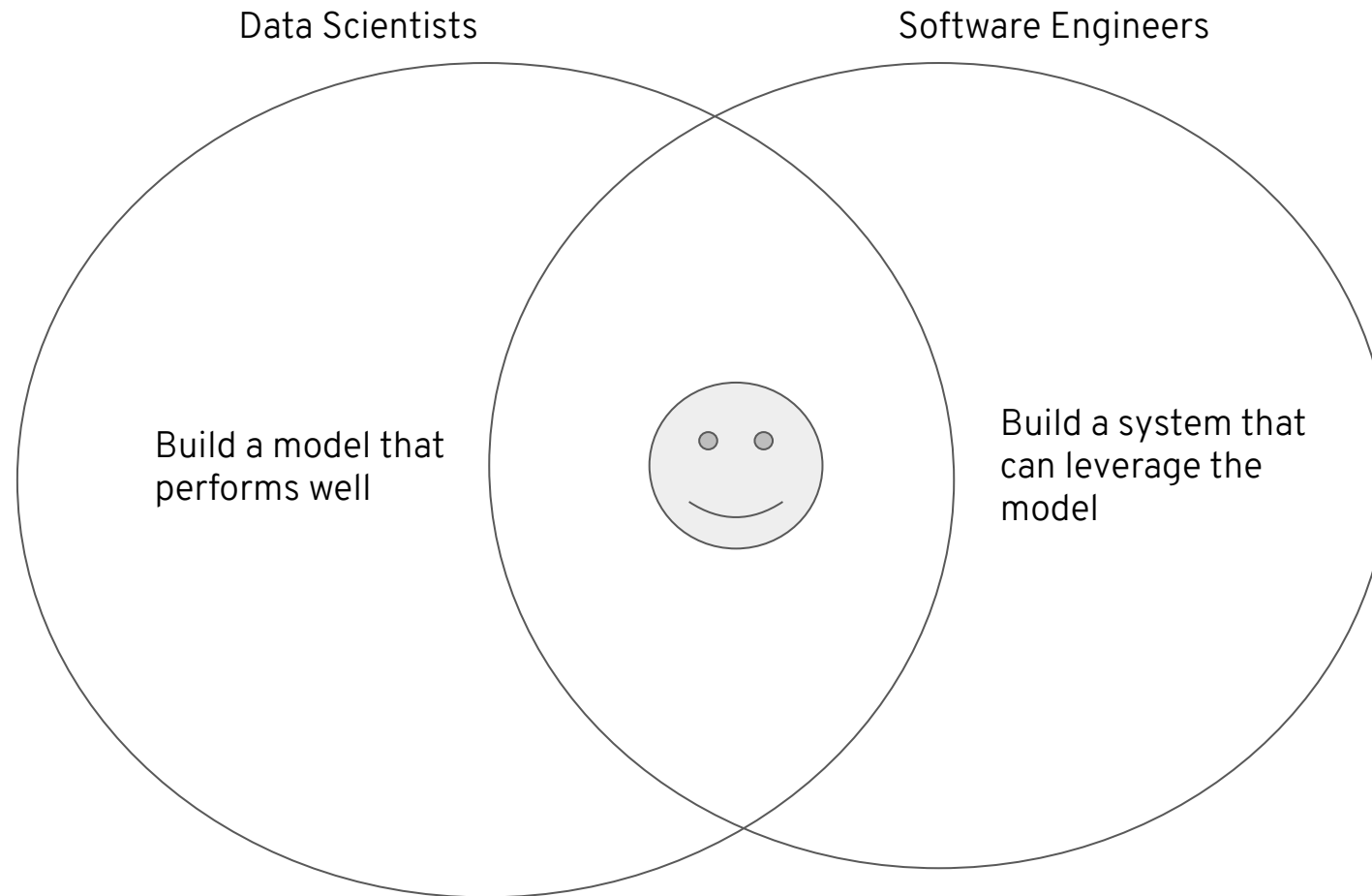
Prometheus



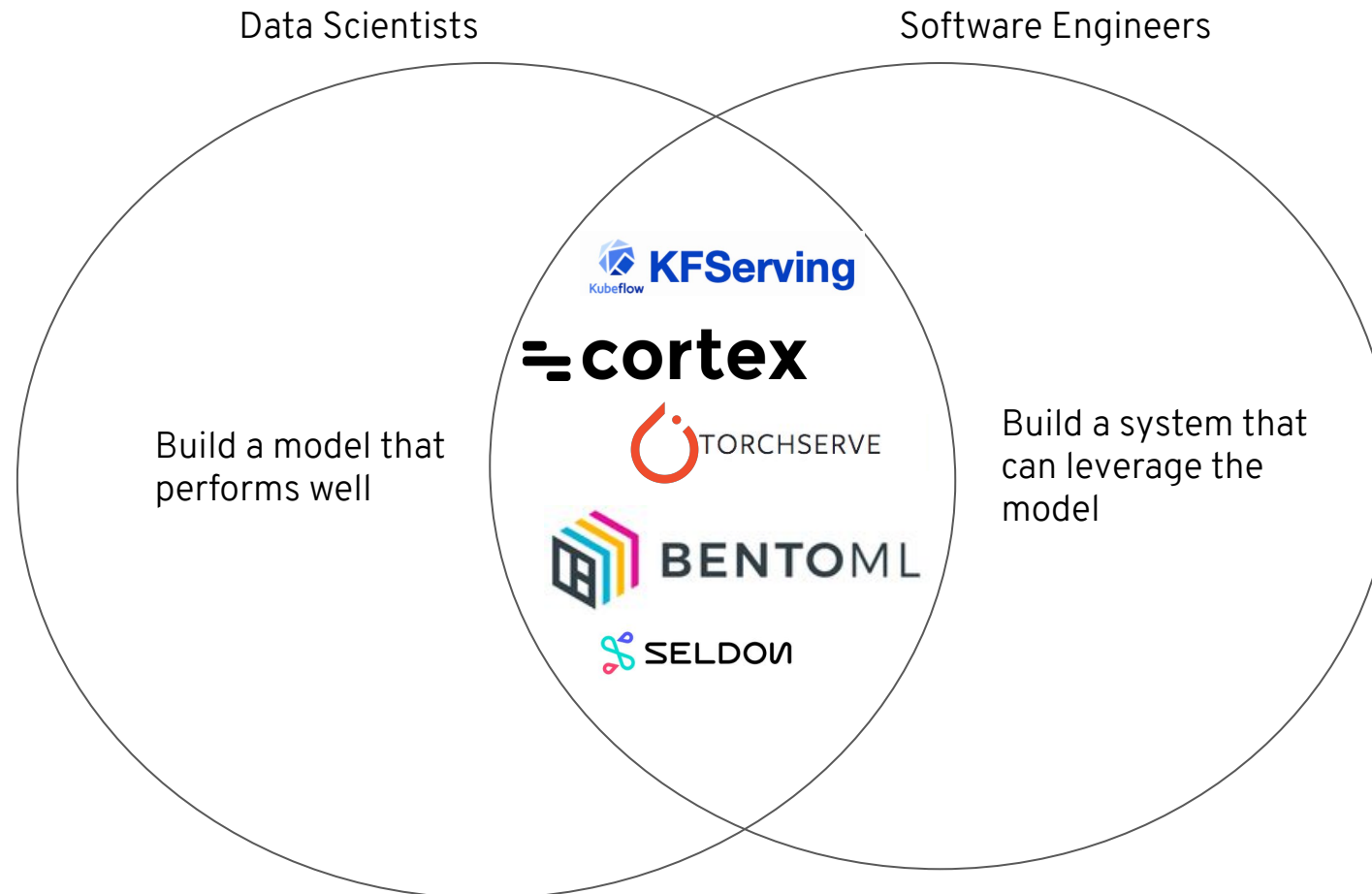
Grafana

Demo

Do we need model serving?



Do we need model serving?





Stay Connected.



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