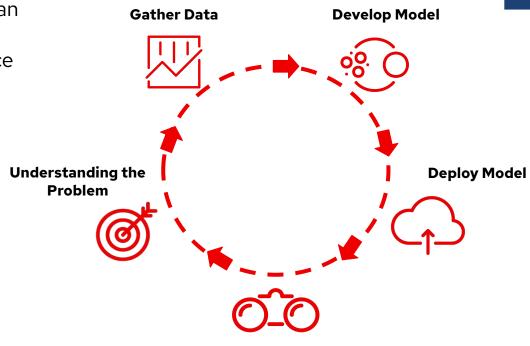
Data Science Model Development



What is a Data Science Model lifecycle?

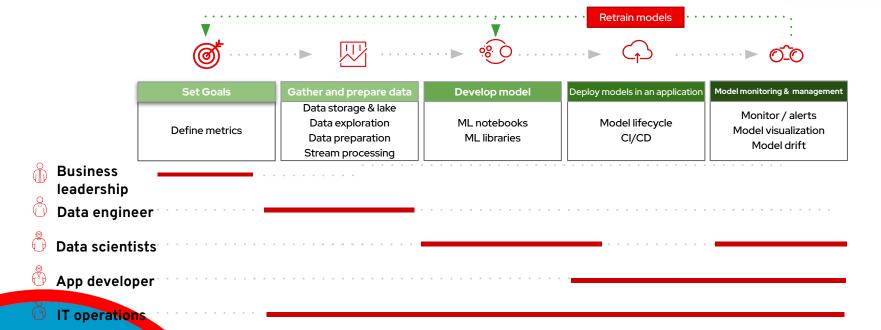
"A data science life cycle is an **iterative set of steps** you take to deliver a data science product/ML model"



Model Monitoring & Management



Data Science Model Lifecycle steps & Personas







Get and store the data





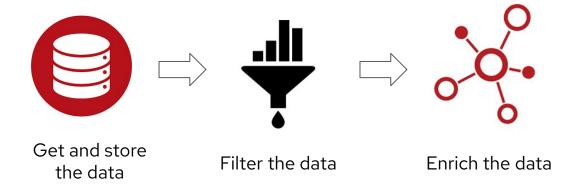








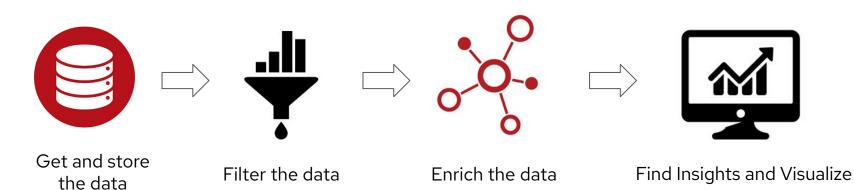






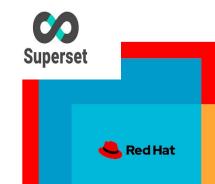








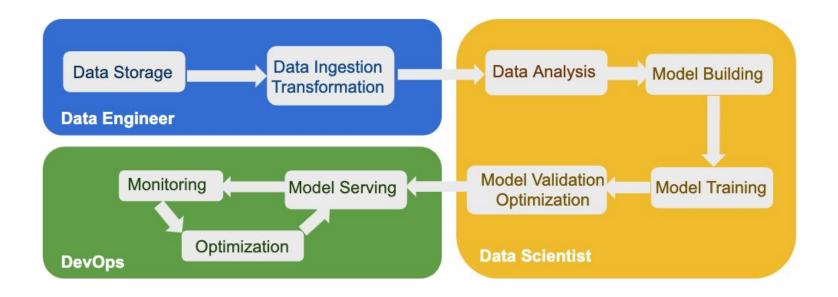




Questions so far...

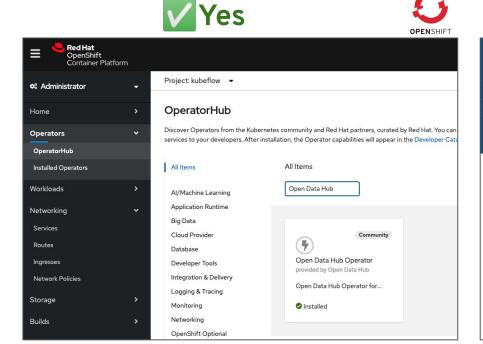


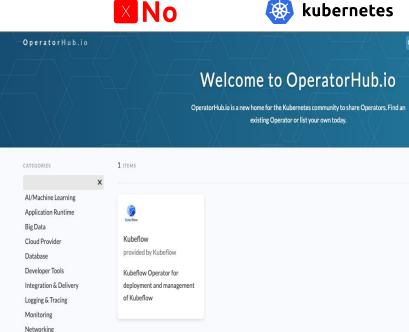
Open Data Hub is an open source community AI/ML platform on Openshift





Open Data Hub is an Operator installed from OpenShift OperatorHub







Open Data Hub integrates
open source projects into an
end-to-end Al/ML platform on
OpenShift







Streaming

Hive Metastore

Data Exploration

Big Data Processing

Red Hat® Ceph Storage

Kafka Strimzi Superset Hue

Data Analysis

Spark Spark SQL Thrift

PostgreSQL

MySQL

Storage Integration

Metadata

Metadata



Data Engineer



Business Analyst

Production

Model Serving

Seldon

TF Serving

Monitoring

Grafana **Prometheus**



Jupyter

Red Hat® **OpenShift OAuth**

Distributed Model Training /Tuning

Artificial Intelligence & Machine Learning

Katib TF job

Applications

ML

Open Data Hub Al Library

Pipelines

Argo **Airflow** Kubeflow **Pipelines**

DevOps **Engineer**

Pipelines

Argo Airflow Kubeflow **Pipelines**



Scientist



Red Hat Hybrid Cloud **Red Hat** Management Enterprise Linux

