

Global AI Bootcamp

Is that wine good or bad?

How to Build a Machine Learning Model with the Azure
Machine Learning designer – Predict Wine Quality

Agenda

1. Pre-requisites
2. Azure Machine Learning Designer
3. Business understanding
4. Data Acquisition and understanding
5. Modeling
6. Customer acceptance

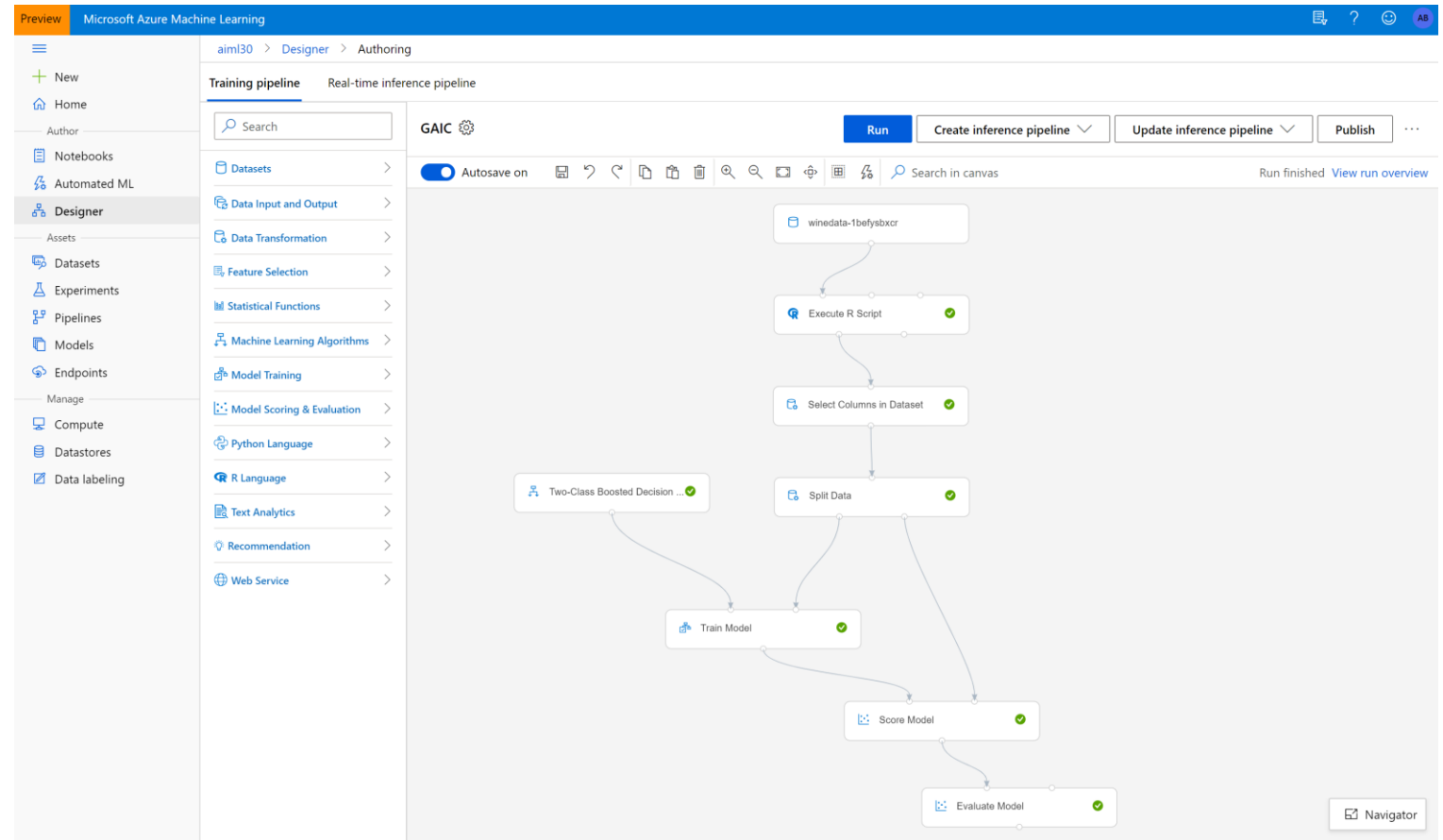
Workshop instructions:

Pre-requisites

- Azure pass or subscription
- Azure Machine Learning instance

Azure Machine Learning Designer

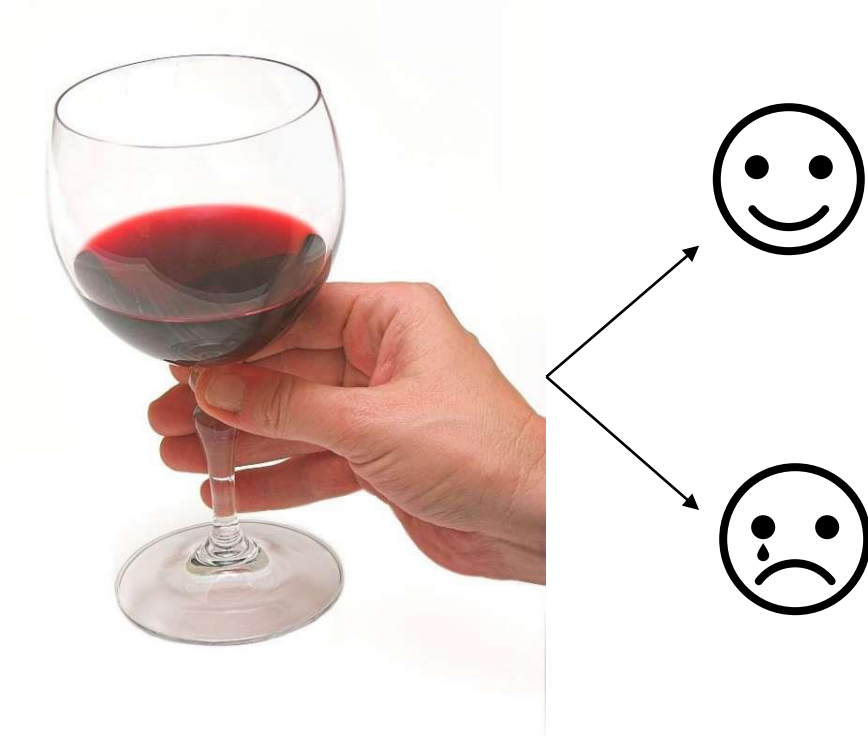
- Visual interface
- Understandable for multiple skill-levels
- State-of the art ML-algorithms



Business understanding – Predict Wine Quality

Goals:

1. Define objectives
 - Predict the quality of a wine given information about origin, year,
 - What is our target variable?
2. Identify data sources
 - Find a dataset containing variables



Data acquisition and understanding

1. Dataset: <https://github.com/mdragt/WineQuality>
2. Go Azure Machine Learning Studio

Self-paced?

<https://github.com/GlobalAICommunity/Workshop-VisualInterfaceAzureMLSWine>

Customer acceptance

- Is our model and pipeline working?
- Does the deployment to the production env. satisfy customer's objectives?
- How do we present our results?

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Any Questions?

