

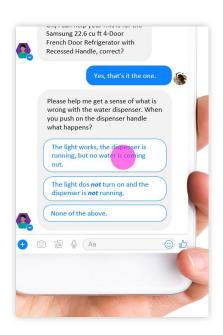
## Visual Interface for Azure Machine Learning Service

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Technical Specialist, Azure Data & Al

## ML/Al is core component of many applications

## New generation of business agents

B2B, B2C, B2E



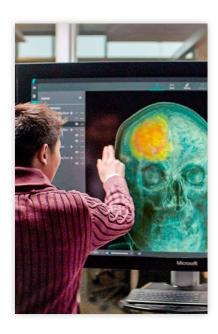
## Person, object, and activity detection

Retail, manufacturing, security



## Al assisted professionals

Marketing, legal, financial



## Knowledge mining

Documents, video

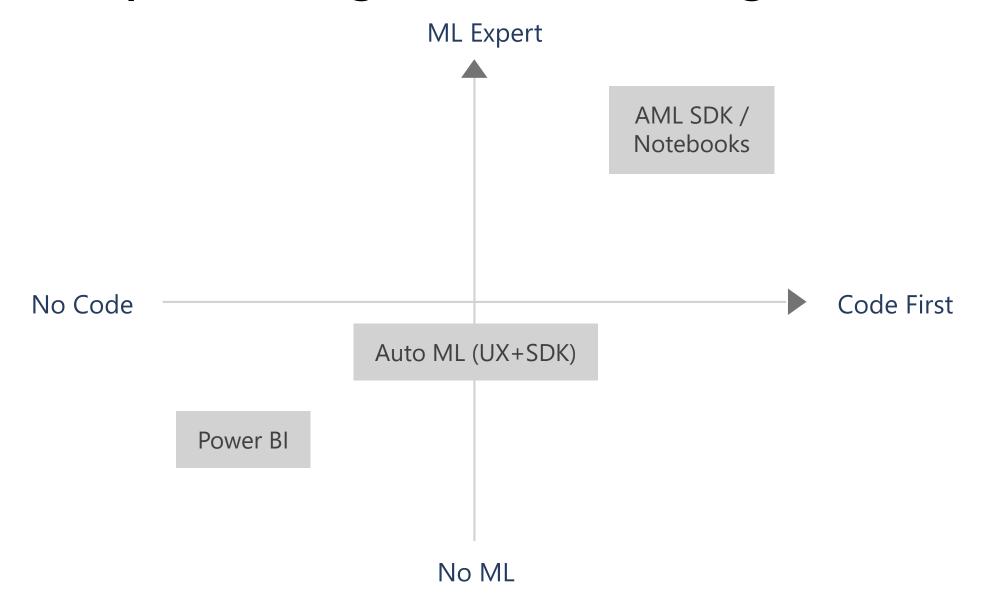


## Autonomous systems

Vehicles, networks, RPA



## More People Building Machine Learning Models



## Challenges



Setup development environment



Not familiar with syntax



Manage hardware & infrastructure



Manage scale (training and inference)

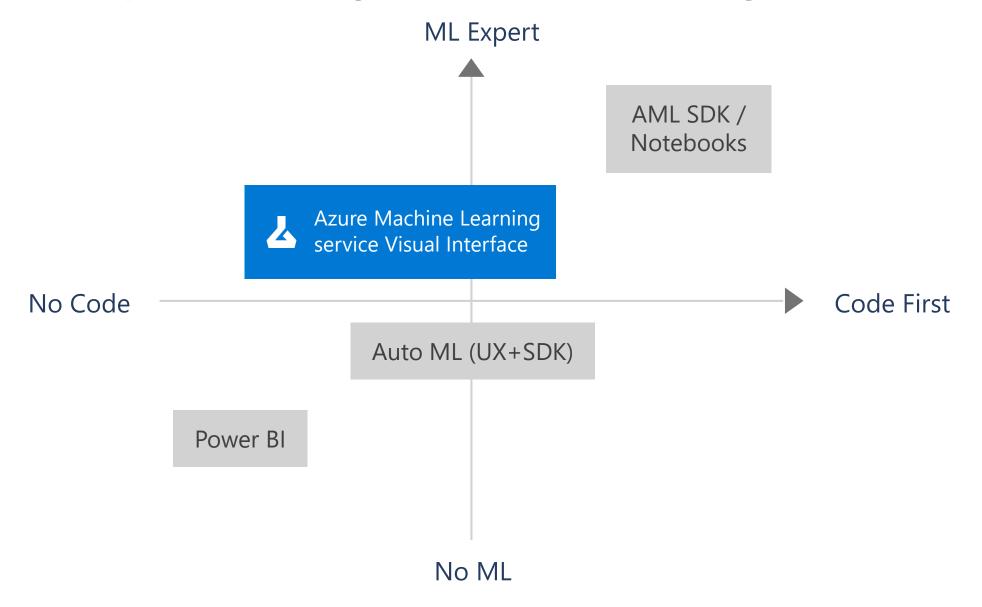


Lack of flexibility



Integration with production environment

## More People Building Machine Learning Models



## **Authoring Experiences in Azure Machine Learning**



Automated Machine Learning

**Visual Interface** 

**Notebooks** 



## **Authoring Experiences in Azure Machine Learning**



Automated Machine Learning

**Visual Interface** 

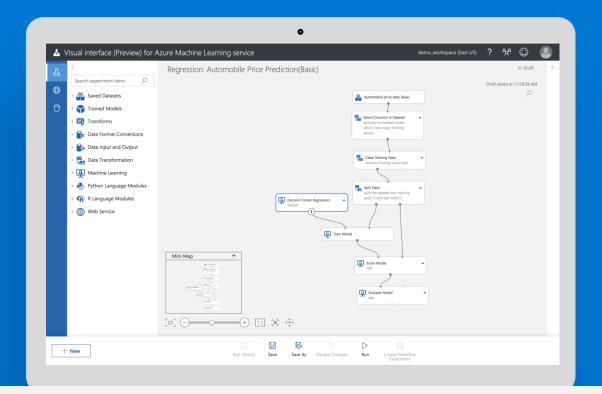
Notebooks





# Visual Interface for Azure Machine Learning service (Public Preview)

Visual workflow to build, test, and deploy ML models more easily and efficiently



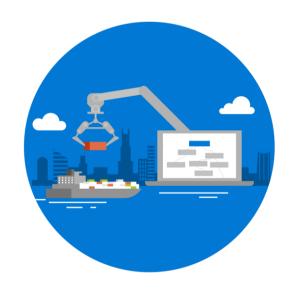
Demo – Building a model with the Visual Interface

#### Who should use the Visual Interface?



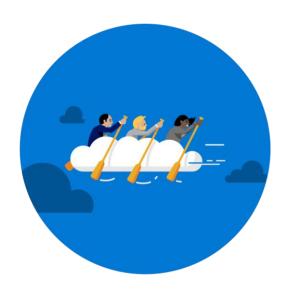
**New to Machine Learning** 

Learn machine learning



**Novice Data Scientists** 

Build model and prefer visual tool than coding



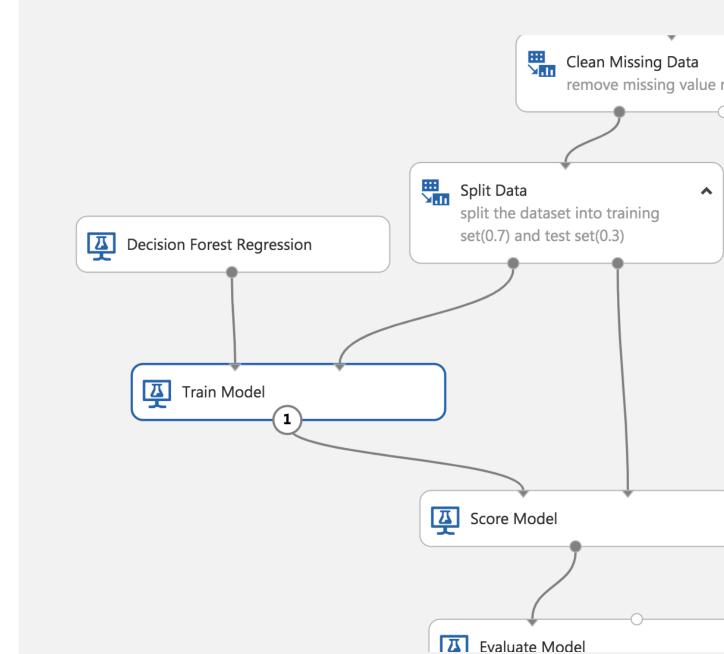
**ML Experts** 

Quick prototype



#### Visual Interface

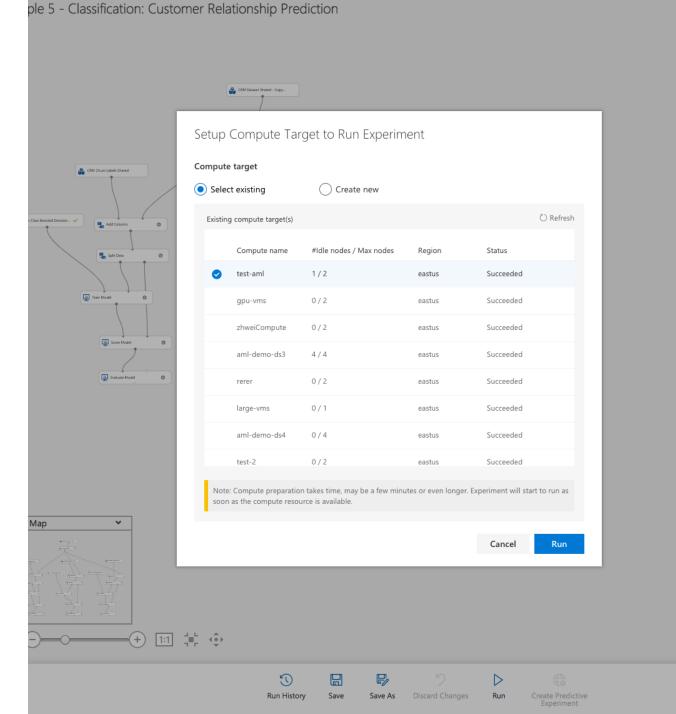
- Drag-and-drop
- Built-in modules
- Data visualization
- Model evaluation





#### **Best from AML service**

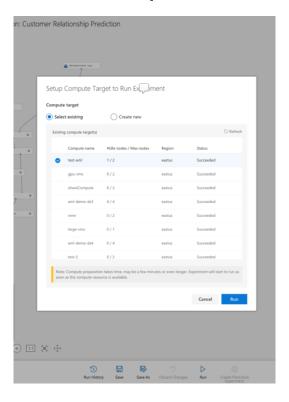
- Bring your own compute
- Scale align with data growth or model complexity
- Auto cool-down for cost savings
- Deploy to your own environment
- Run history & versioning
- Debuggability



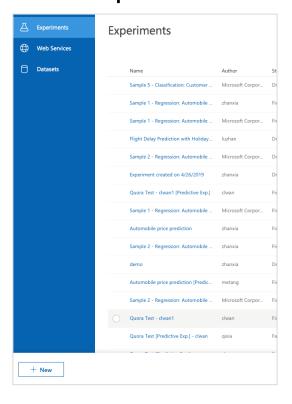


## Fully Integrated with AML Service

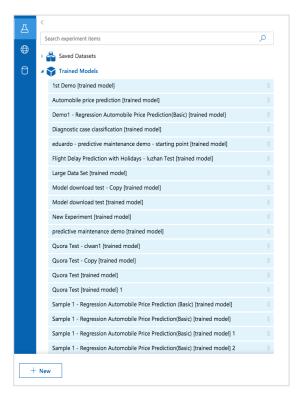
#### **Computes**



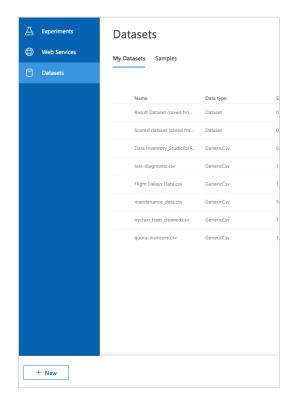
#### **Experiments**



#### Models



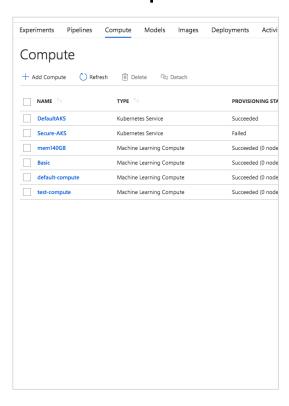
#### **Web Services**



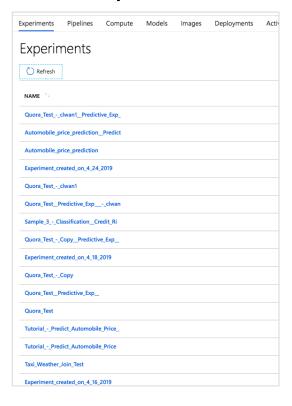


## **Fully Integrated with AML Service**

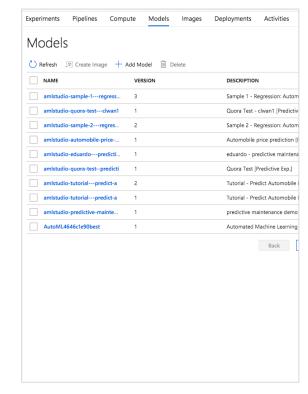
#### **Computes**



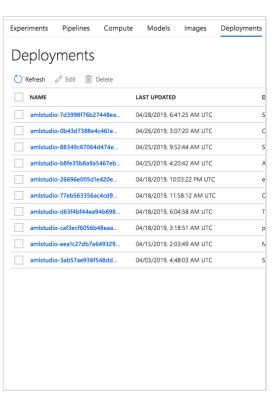
#### **Experiments**



#### Models



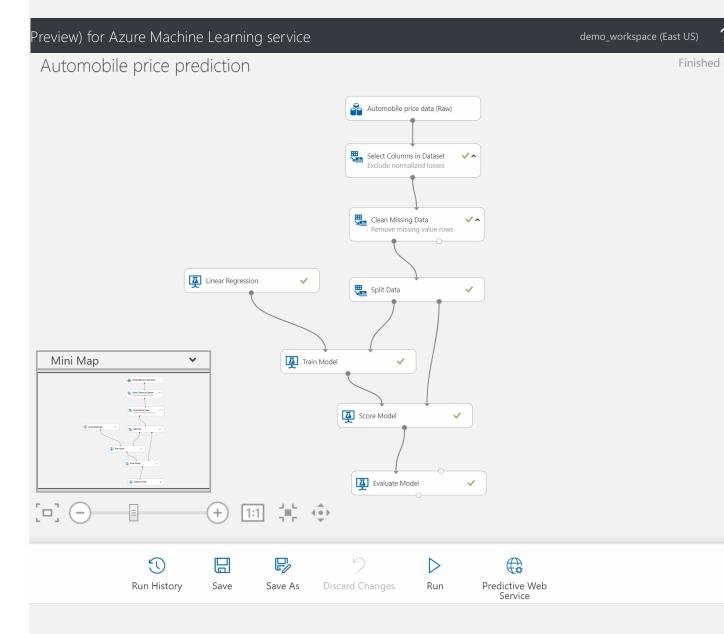
#### **Web Services**





## **Easy Deployment**

- A few clicks
- Automatic generate scoring file
- Model registration
- Build image
- AKS for scale

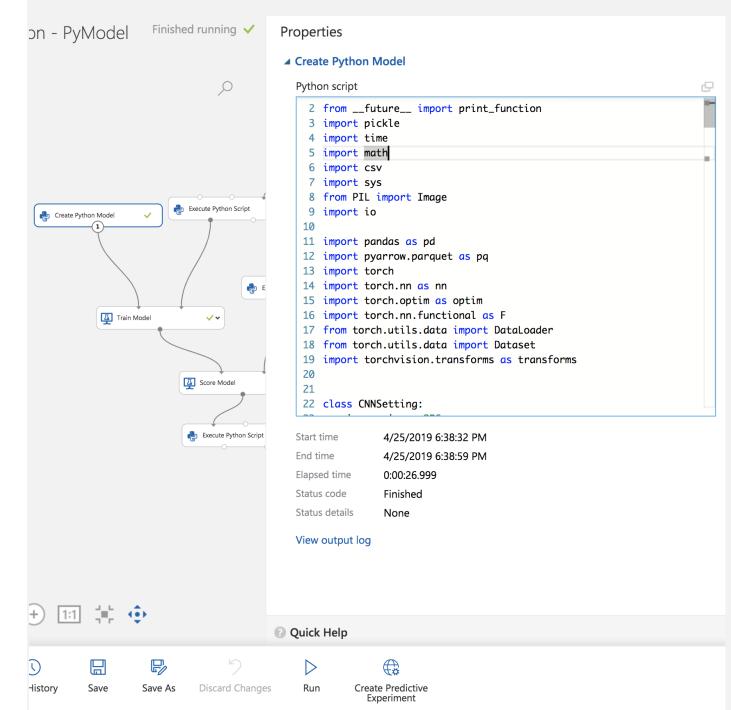




## Demo – Easy Deployment

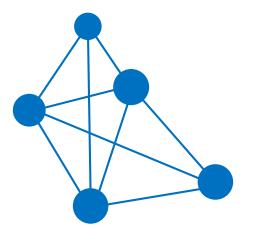
#### **Custom Code**

- Run Python code
- Create Model





### **Azure Machine Learning Service**



Simplify machine learning for any skill level

#### Learn More



**Start Free** 

Build, train, and deploy models with an Azure free account



#### **Documentation**

Dig into our technical documentation



#### **Give feedback**

Tell us what you think, ask for a feature

https://azure.microsoft.com/free

https://aka.ms/zero-code-ml

https://aka.ms/AzureML feedback



## Thank you!