

# Microsoft Azure Training

Jason Santucci



# Microsoft Azure Training Regression Pipeline Project

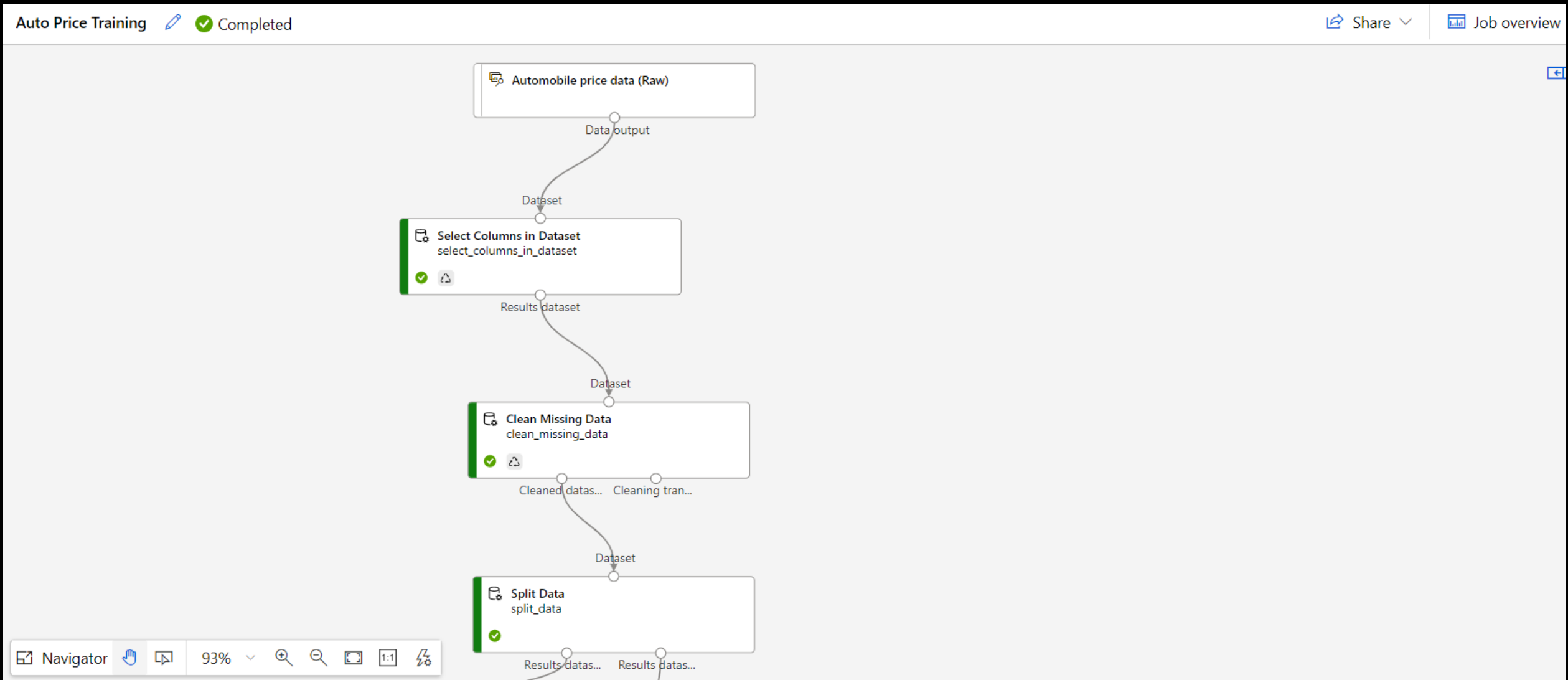
- In this project, I worked with sample training data offered by Microsoft Azure. This was after completing the **Microsoft Azure AI Fundamentals: Explore visual tools for machine learning**

# The Process

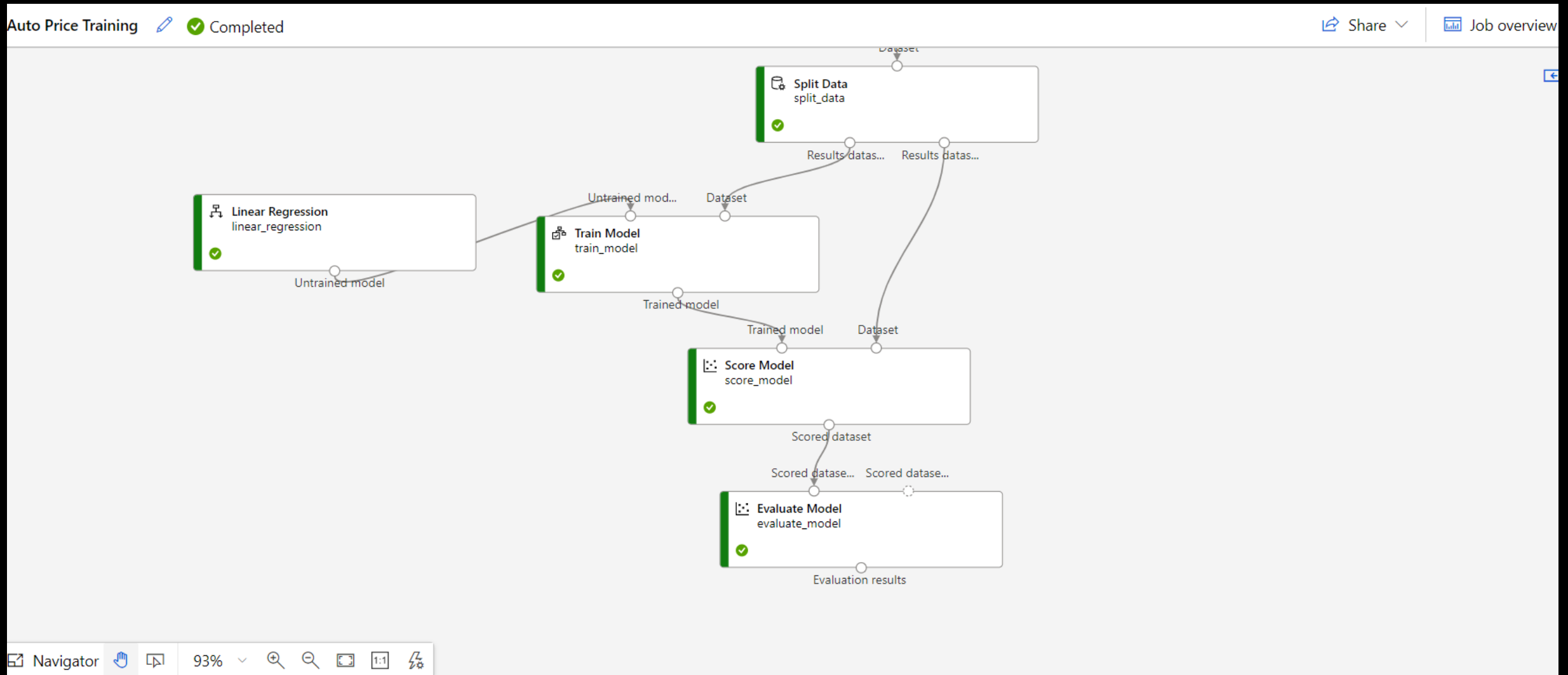
The Process of the Project was as follows:

- Created a virtual machine
- Created a compute cluster workflow
- Clean, transform, and split the data
- Created a training pipeline equipped with Linear Regression, Score Model, and Evaluate Model nodes
- Created an Inference Pipeline
- Deployment of pipeline

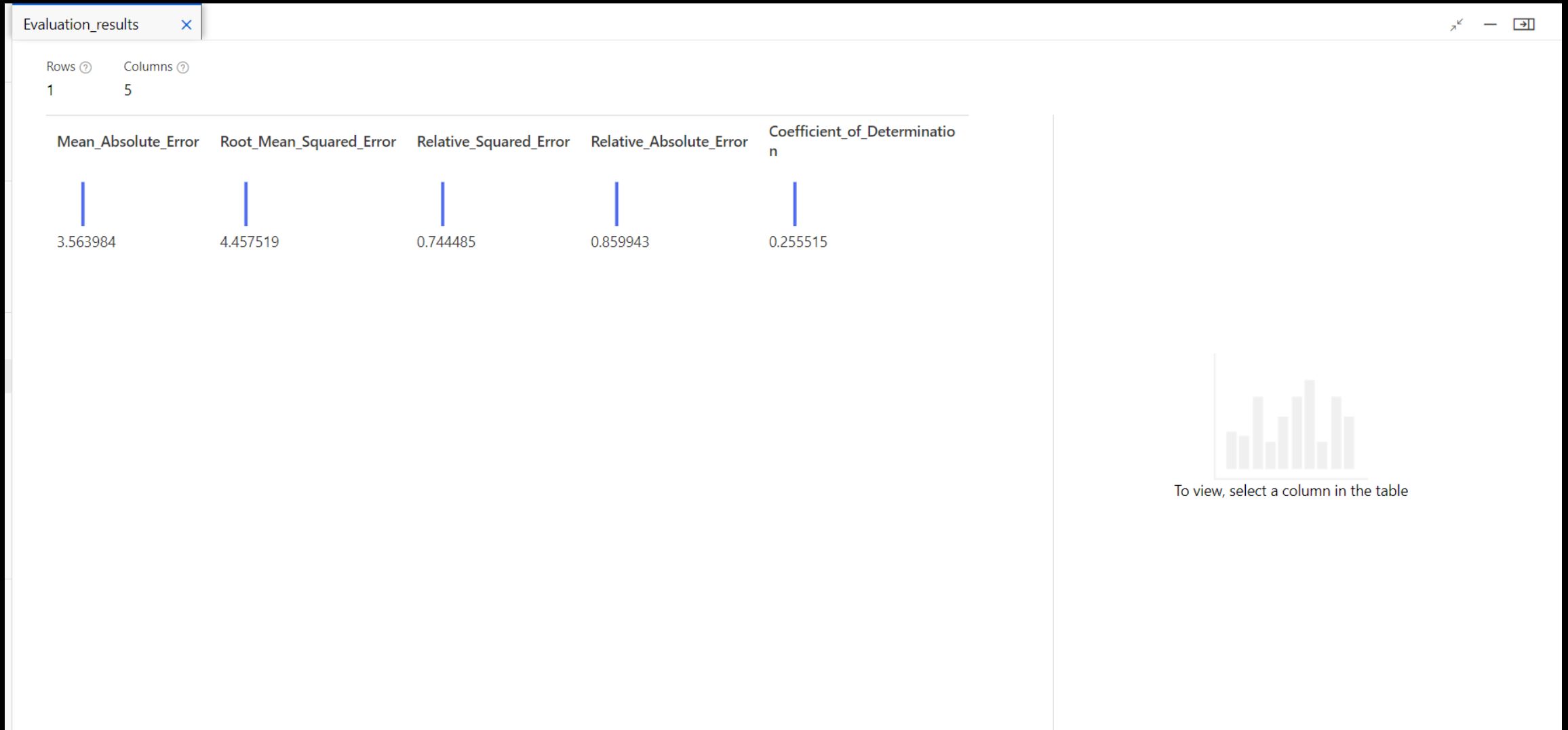
# Cleaning the Raw Data




# Training and Scoring Model




# Model Evaluation Results

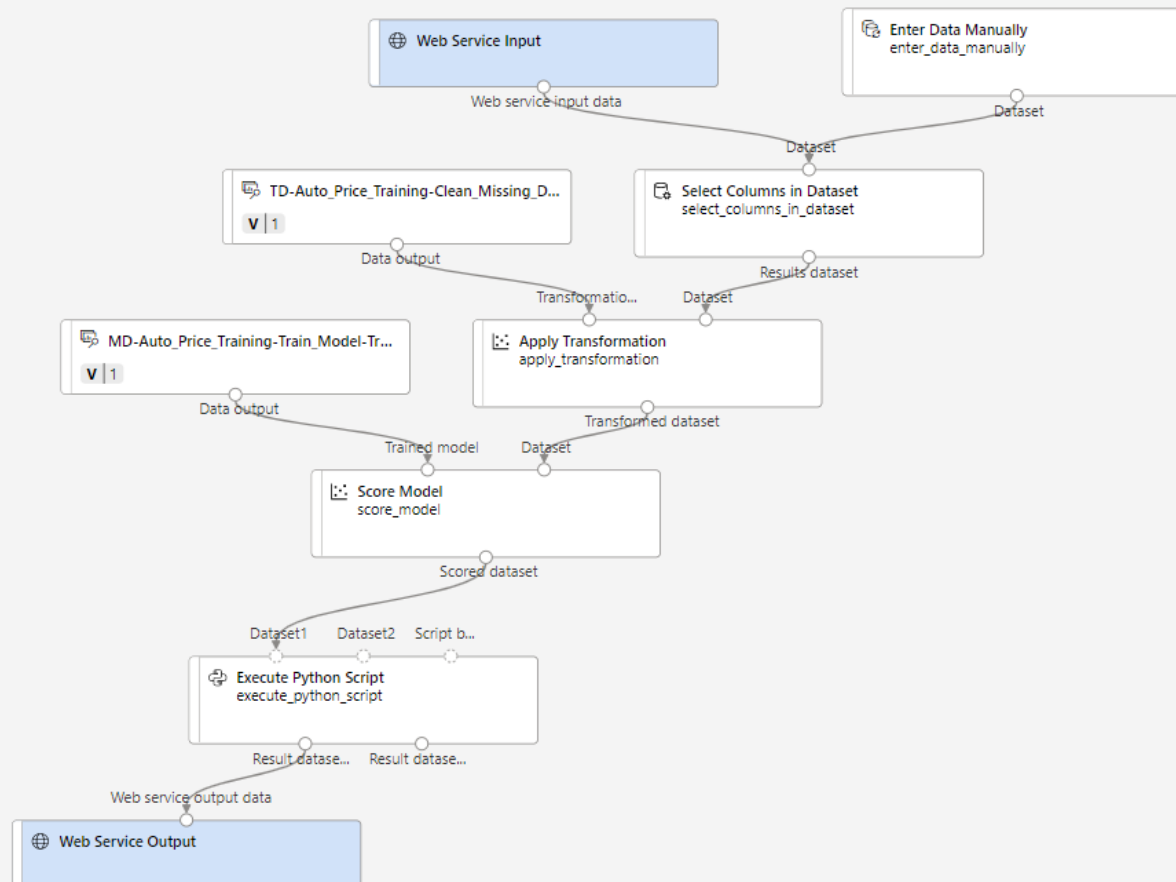


# Inference Pipeline

Auto Price Training-real time inference 

 Save pipeline

 Settings



# What was gained/learned from conducting this project?

- The ability to build pipelines in Microsoft Azure.
- Use raw data and transform it into clean and usable data.
- Train data using Microsoft Azure's virtual machines.
- Deploy and test a service using end-points.





# Other Training Paths Completed:

- **Azure Fundamentals: Describe Azure architecture and services**
- **Microsoft Azure Fundamentals: Describe cloud concepts**
- **Azure Fundamentals: Describe Azure management and governance**

## LEARNING PATH

### Microsoft Azure Fundamentals: Describe cloud concepts

3 Modules

Beginner • Administrator • Azure

Start

COMPLETED ✓



+ Save

## LEARNING PATH

### Azure Fundamentals: Describe Azure architecture and services

4 Modules

Beginner • Administrator • Azure

COMPLETED ✓



+ Save

## LEARNING PATH

### Azure Fundamentals: Describe Azure management and governance

4 Modules

Beginner • Administrator • Azure

COMPLETED ✓



+ Save