

Azure Microsoft Machine Learning Studio

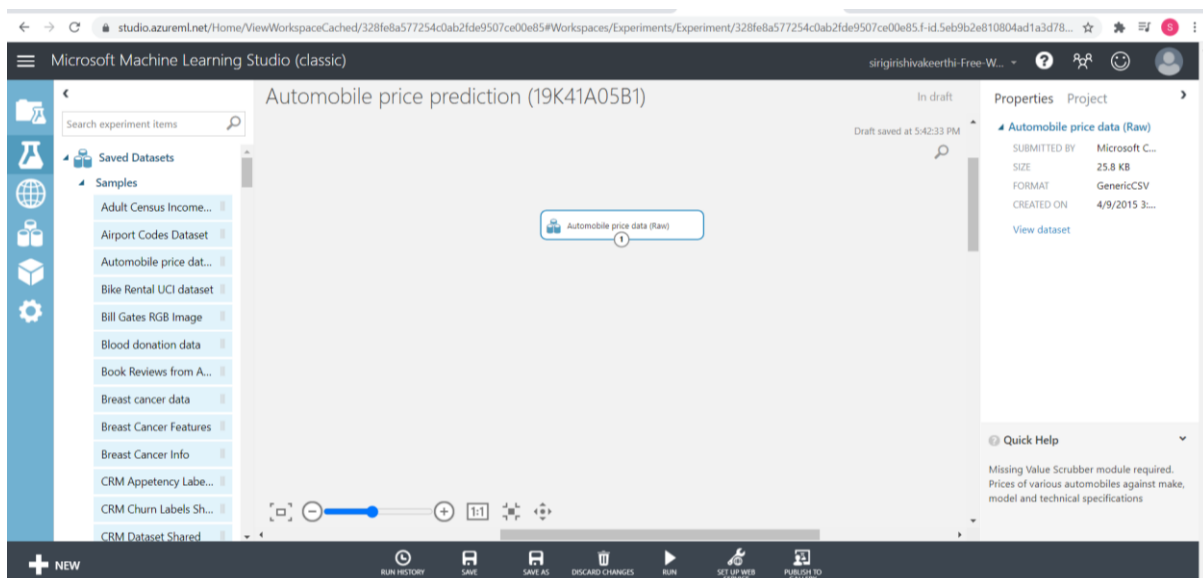
Automobile price prediction

In this experiment, there are three main stages such as create the model, train the model, and score and test the model. Creating the model includes another three sub-activities such as Get the data, Prepare the data, and Define features. Train the model includes, choose and apply an algorithm. Score and test the model includes, predict new automobile prices.

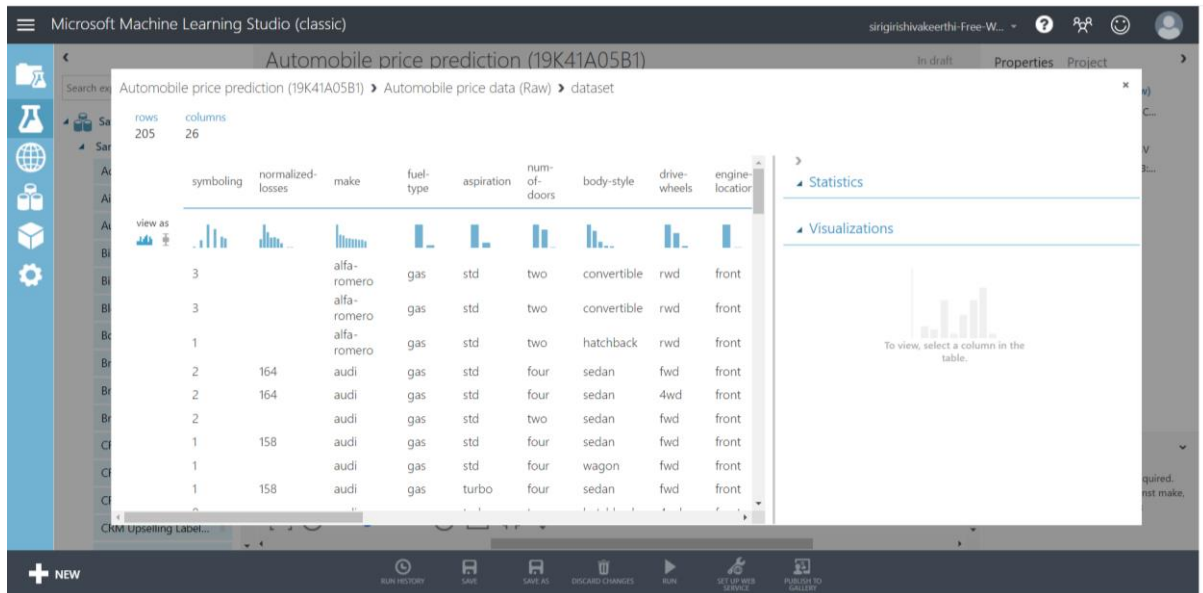
Workflow:

1. Data import
2. Check the data for missing values
3. Preprocess the data
4. Split the data
5. Training the model
6. Testing the model
7. Evaluation of the model

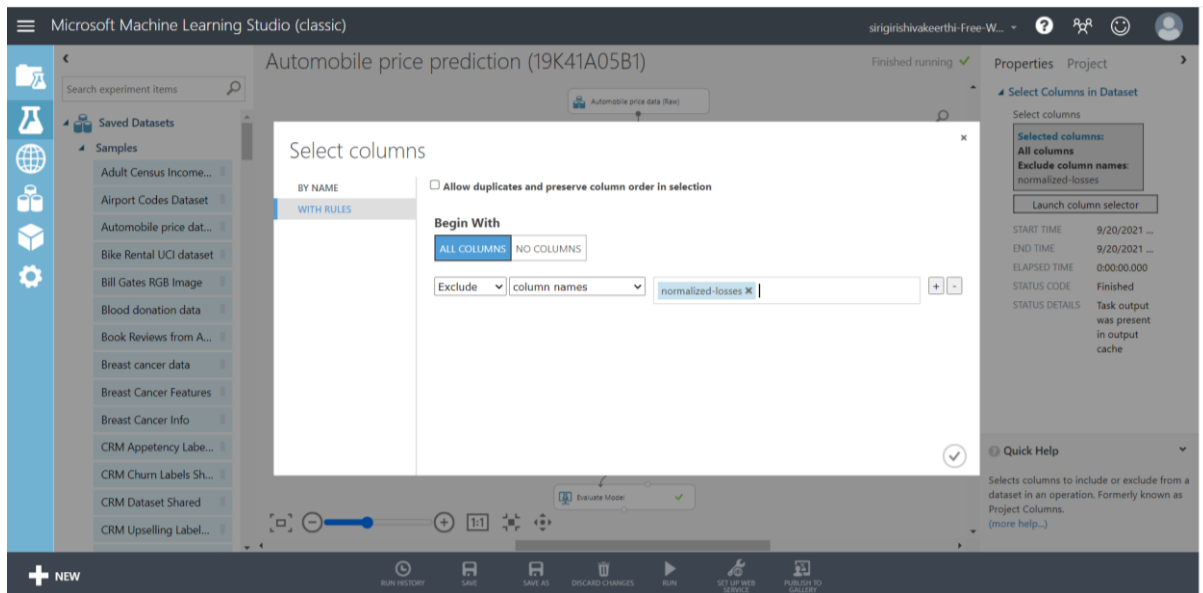
1. Data import



2. Check the data for missing values



3. Preprocess the data (By excluding and cleaning missing values)



4. Split the data

Microsoft Machine Learning Studio (classic) - Automobile price prediction (19K41A05B1) - In draft

Split Data Properties:

- Splitting mode: Split Rows
- Fraction of rows in the ...: 0.75
- Randomized split: ☒
- Random seed: 0
- Stratified split: False
- START TIME: 9/20/20...
- END TIME: 9/20/20...
- ELAPSED TIME: 0:00:00.0...
- STATUS CODE: Finished
- STATUS DETAILS: Task output was

Quick Help: Split the rows of a dataset into two distinct sets (more help...)

5. Training the model

Microsoft Machine Learning Studio (classic) - Automobile price prediction (19K41A05B1) - Finished running

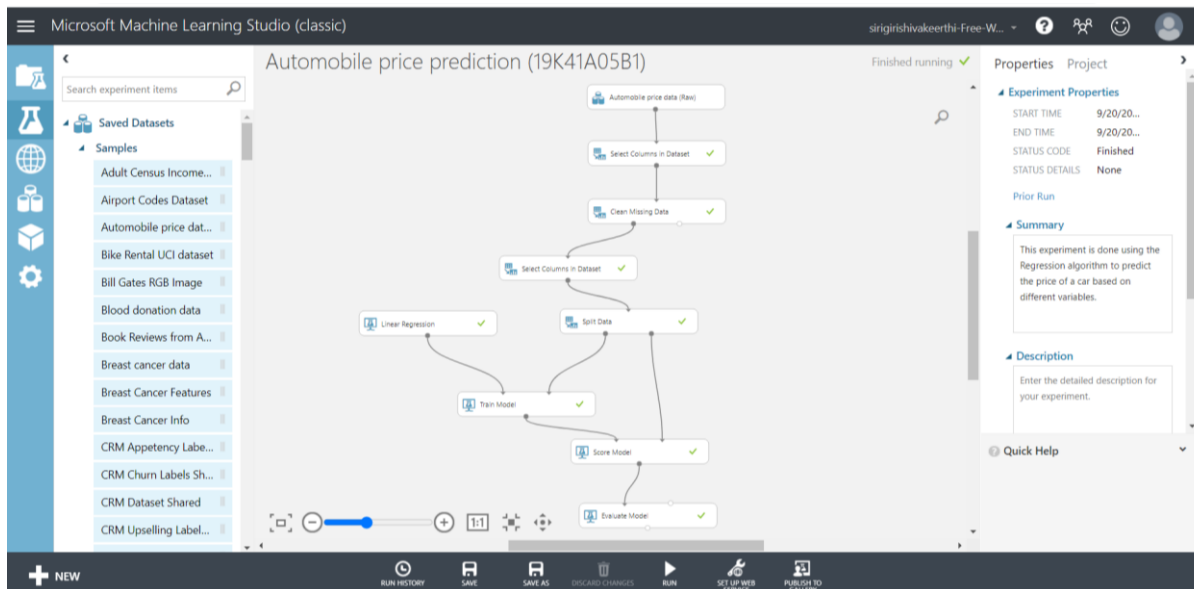
Experiment Properties:

- START TIME: 9/20/20...
- END TIME: 9/20/20...
- STATUS CODE: Finished
- STATUS DETAILS: None

Summary: This experiment is done using the Regression algorithm to predict the price of a car based on different variables.

Description: Enter the detailed description for your experiment.

6. Testing the model



Automobile price prediction (19K41A05B1) > Score Model > Scored dataset

rows	columns	make	body-style	wheel-base	engine-size	horsepower	peak-rpm	highway-mpg	price	Scored Labels
48	9	subaru	sedan	97	108	111	4800	29	11259	10286.204819
		mitsubishi	hatchback	93.7	92	68	5500	38	6669	5446.847864
		dodge	hatchback	93.7	90	68	5500	38	6229	6344.800711
		honda	hatchback	86.6	92	76	6000	38	6855	5528.302953
		alfa-romero	convertible	88.6	130	111	5000	27	16500	13498.476233
		volvo	wagon	104.3	141	114	5400	28	16515	16097.608038
		isuzu	hatchback	96	119	90	5000	29	11048	8315.257218
		dodge	hatchback	93.7	90	68	5500	41	5572	6630.154608
		bmw	sedan	101.2	108	101	5800	29	16430	19913.408695
		mitsubishi	hatchback	93.7	92	68	5500	41	5389	5732.201761
		bmw	sedan	103.5	209	182	5400	22	41315	30548.819502
		jaguar	sedan	113	258	176	4750	19	35550	30863.486076
		plymouth	hatchback	93.7	90	68	5500	38	6729	5806.676601

7. Evaluation of the model

