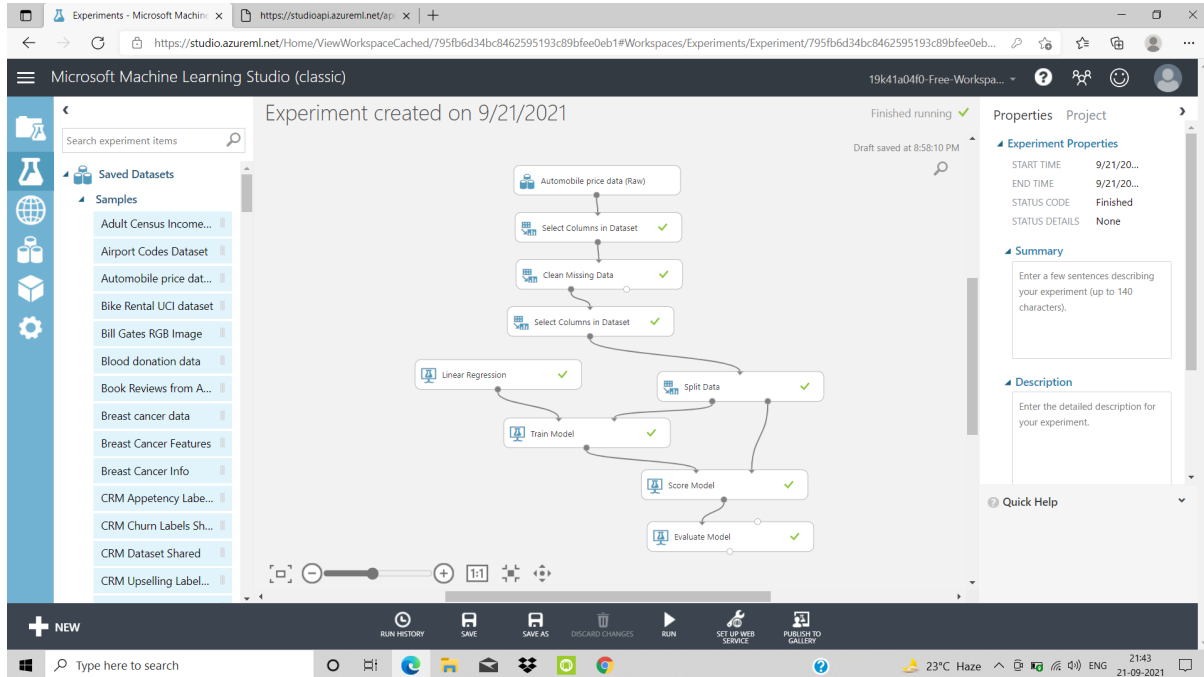


AI ASSIGNMENT

19K41A04F0

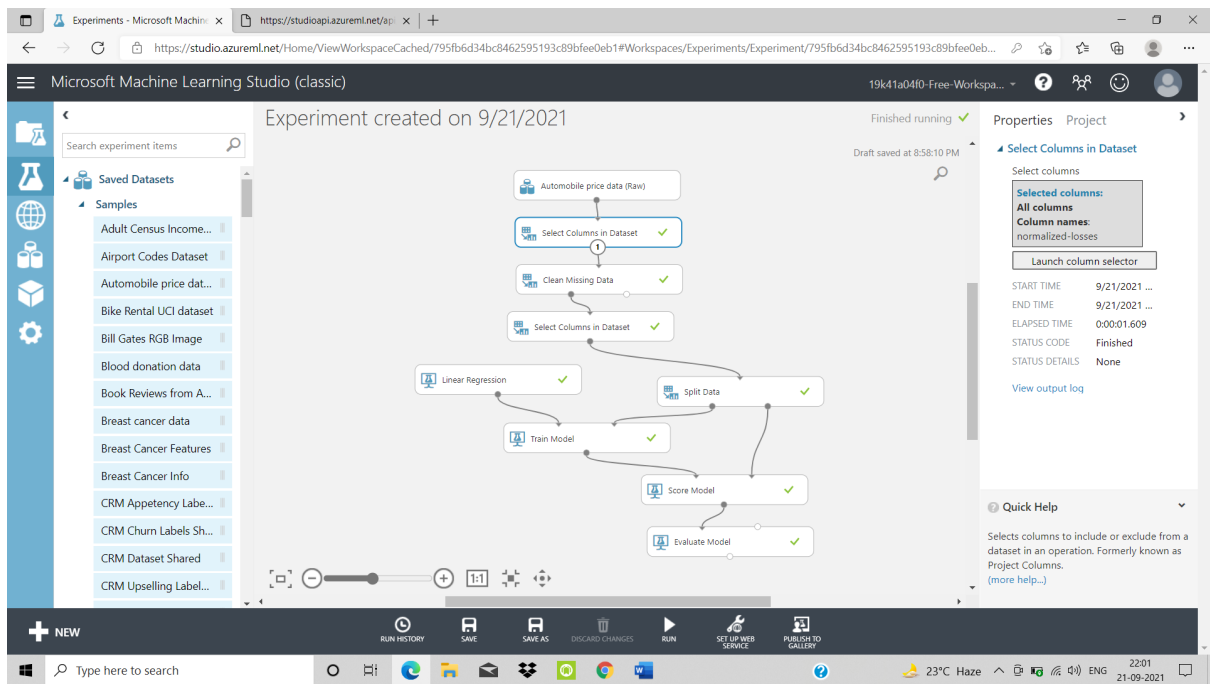
Machine learning project workflow:

Workflow:

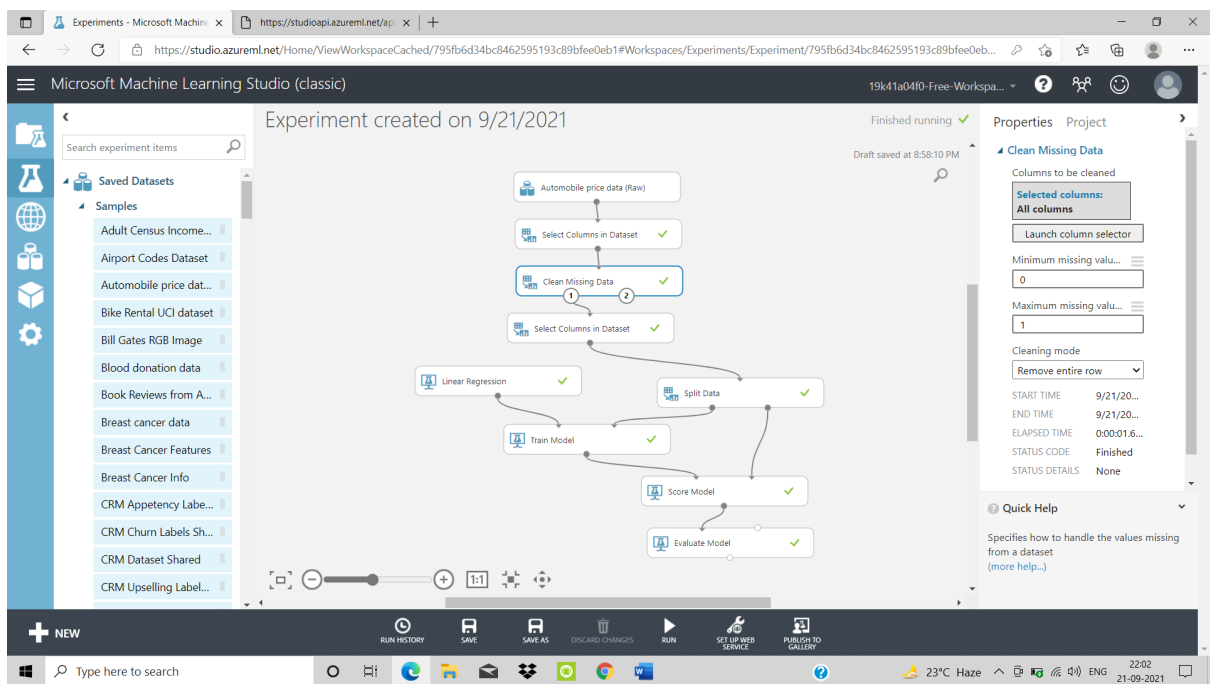


Explore Data:

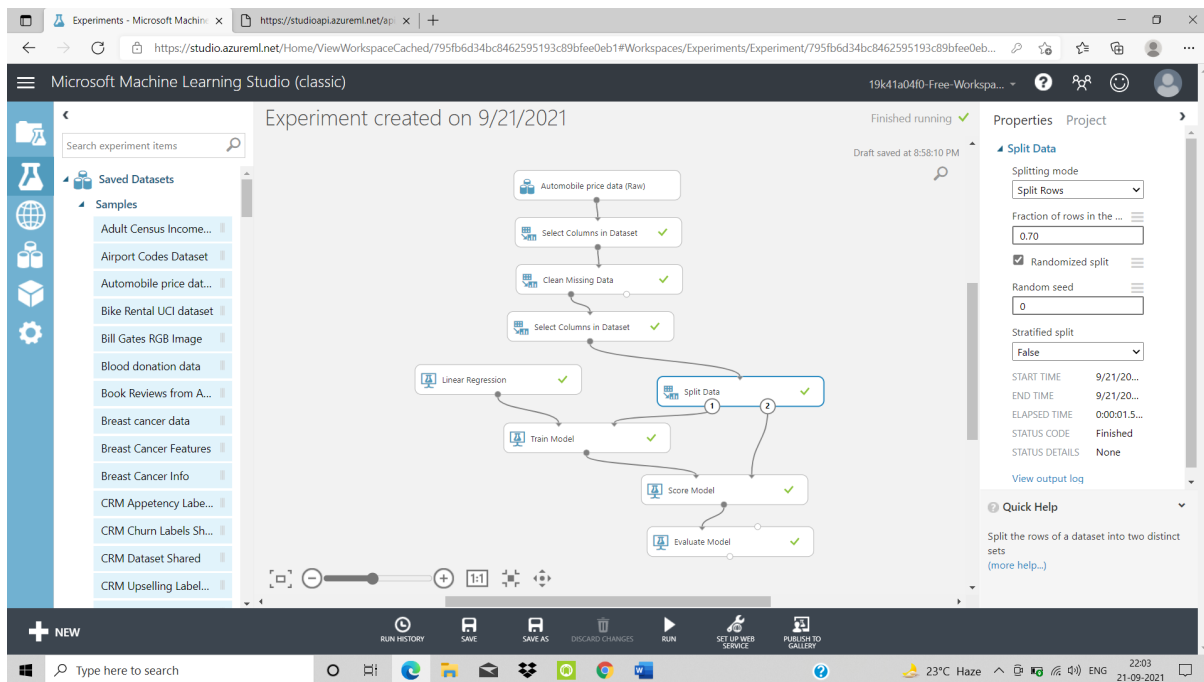
Microsoft Machine Learning Studio (classic) interface showing an experiment workflow. The workflow includes steps: Automobile price data (Raw), Select Columns in Dataset, Clean Missing Data, Select Columns in Dataset, Linear Regression, Split Data, Train Model, Score Model, and Evaluate Model. The experiment is finished running. The Properties pane on the right shows the 'Select Columns in Dataset' step configuration, indicating 'All columns' are selected.



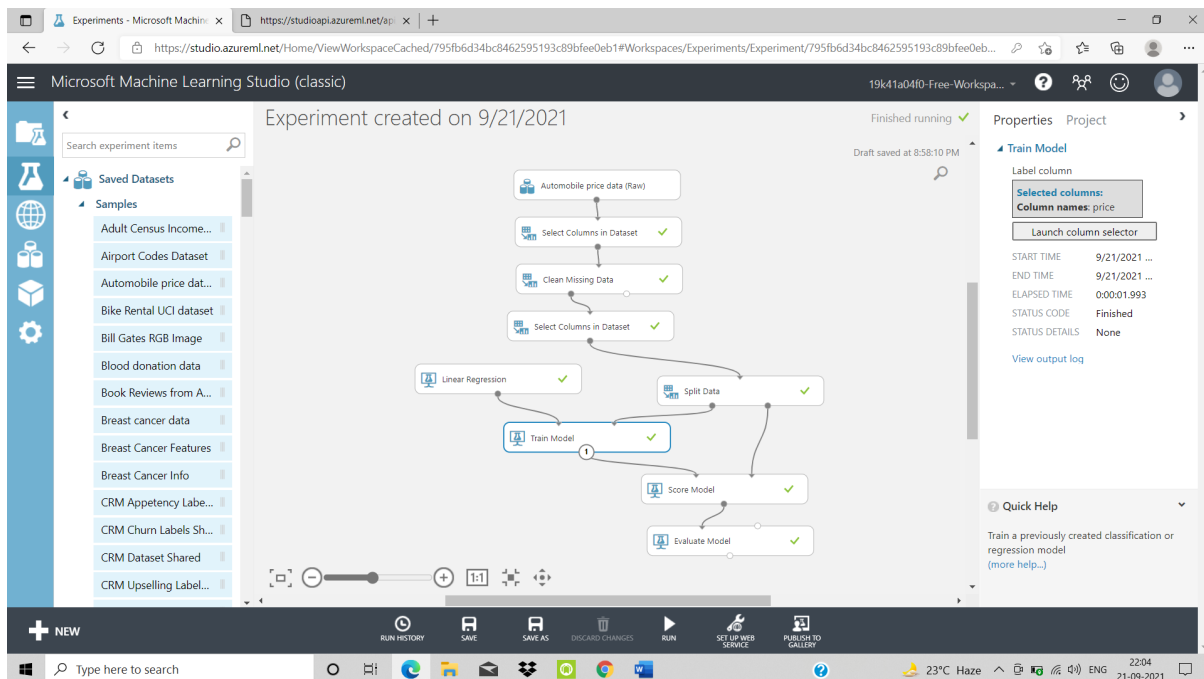
Microsoft Machine Learning Studio (classic) interface showing the same experiment workflow as above. The workflow includes steps: Automobile price data (Raw), Select Columns in Dataset, Clean Missing Data, Select Columns in Dataset, Linear Regression, Split Data, Train Model, Score Model, and Evaluate Model. The experiment is finished running. The Properties pane on the right shows the 'Clean Missing Data' step configuration, indicating 'All columns' are selected to be cleaned, with 'Remove entire row' as the cleaning mode.



Split data:



Model training and algorithm:



Using linear regression to train the model:

Experiment created on 9/21/2021

Finished running ✓

Draft saved at 8:58:10 PM

Properties Project

Linear Regression

Solution method: Ordinary Least Squares

L2 regularization weight: 0.001

☒ Include intercept term

Random number seed:

☒ Allow unknown categories

START TIME: 9/21/2021 ...

END TIME: 9/21/2021 ...

ELAPSED TIME: 0:00:01.797

STATUS CODE: Finished

STATUS DETAILS: None

[View output log](#)

Quick Help

Creates a linear regression model (more help...)

Score model and evaluation model:

Experiment created on 9/21/2021

Finished running ✓

Properties Project

Experiment created on 9/21/2021

Score Model

Scored dataset

	fuel-system	bore	stroke	compression-ratio	horsepower	peak-rpm	city-mpg	highway-mpg	price	Scored Labels
Au...										
B...	mpfi	3.54	3.07	9.3	110	5250	21	28	15510	13284.899402
B...	spdi	3.03	3.39	7.6	102	5500	24	30	7689	7658.867692
B...	mpfi	3.19	3.4	9	85	5250	27	34	8195	8863.220012
B...	2bbl	3.03	3.11	9.6	70	5400	38	43	6295	5905.454253
B...	spfi	3.43	3.23	9.2	90	5000	24	29	11048	10750.34708
B...	mpfi	3.46	3.1	8.3	155	4750	16	18	34184	38369.412133
B...	2bbl	3.15	3.29	9.4	69	5200	31	37	5499	5894.125916
C...	mpfi	3.03	3.39	7.6	102	5500	24	30	7957	9549.224752
C...	mpfi	3.62	3.39	8	182	5400	16	22	41315	30915.948926
C...	mpfi	3.78	3.15	9.5	114	5400	19	25	22625	19695.952699

Statistics

Visualizations

To view, select a column in the table.

Evaluation results:

