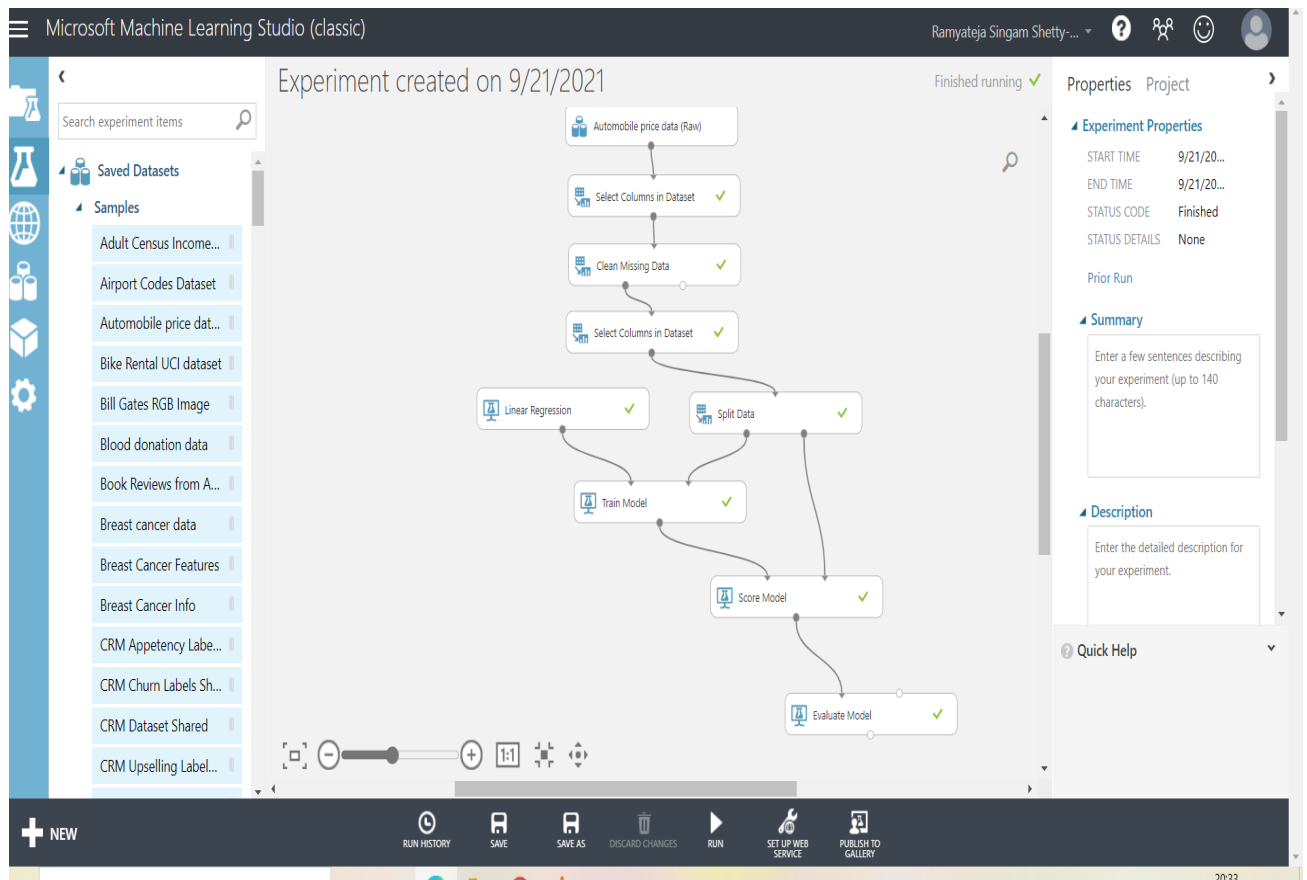


AI ASSIGNMENT

19K41A04H5

Machine Learning Project Workflow:

Workflow:



Explore Data:

Microsoft Machine Learning Studio (classic) Experiment created on 9/21/2021

Search experiment items

Saved Datasets

- Adult Census Income...
- Airport Codes Dataset
- Automobile price dat...
- Bike Rental UCI dataset
- Bill Gates RGB Image
- Blood donation data
- Book Reviews from A...
- Breast cancer data
- Breast Cancer Features
- Breast Cancer Info
- CRM Appetency Labe...
- CRM Churn Labels Sh...
- CRM Dataset Shared
- CRM Upselling Label...

Automobile price data (Raw)

Select Columns in Dataset

Clean Missing Data

Select Columns in Dataset

Linear Regression

Split Data

Train Model

Score Model

Evaluate Model

Properties

Select Columns in Dataset

Select columns

Selected columns: All columns

Exclude column names: normalized-losses

Launch column selector

START TIME 9/21/2021 ...

END TIME 9/21/2021 ...

ELAPSED TIME 0:00:00.000

STATUS CODE Finished

STATUS DETAILS Task output was present in output cache

Quick Help

Selects columns to include or exclude from a dataset in an operation. Formerly known as Project Columns. (more help...)

23°C Light rain 20:39 21-09-2021

Microsoft Machine Learning Studio (classic) Experiment created on 9/21/2021

Search experiment items

Saved Datasets

- Adult Census Income...
- Airport Codes Dataset
- Automobile price dat...
- Bike Rental UCI dataset
- Bill Gates RGB Image
- Blood donation data
- Book Reviews from A...
- Breast cancer data
- Breast Cancer Features
- Breast Cancer Info
- CRM Appetency Labe...
- CRM Churn Labels Sh...
- CRM Dataset Shared
- CRM Upselling Label...

Automobile price data (Raw)

Select Columns in Dataset

Clean Missing Data

Select Columns in Dataset

Linear Regression

Split Data

Train Model

Score Model

Evaluate Model

Properties

Clean Missing Data

Columns to be cleaned

Selected columns: All columns

Launch column selector

Minimum missing valu... 0

Maximum missing valu... 1

Cleaning mode Remove entire row

START TIME 9/21/20...

END TIME 9/21/20...

ELAPSED TIME 0:00:00.0...

STATUS CODE Finished

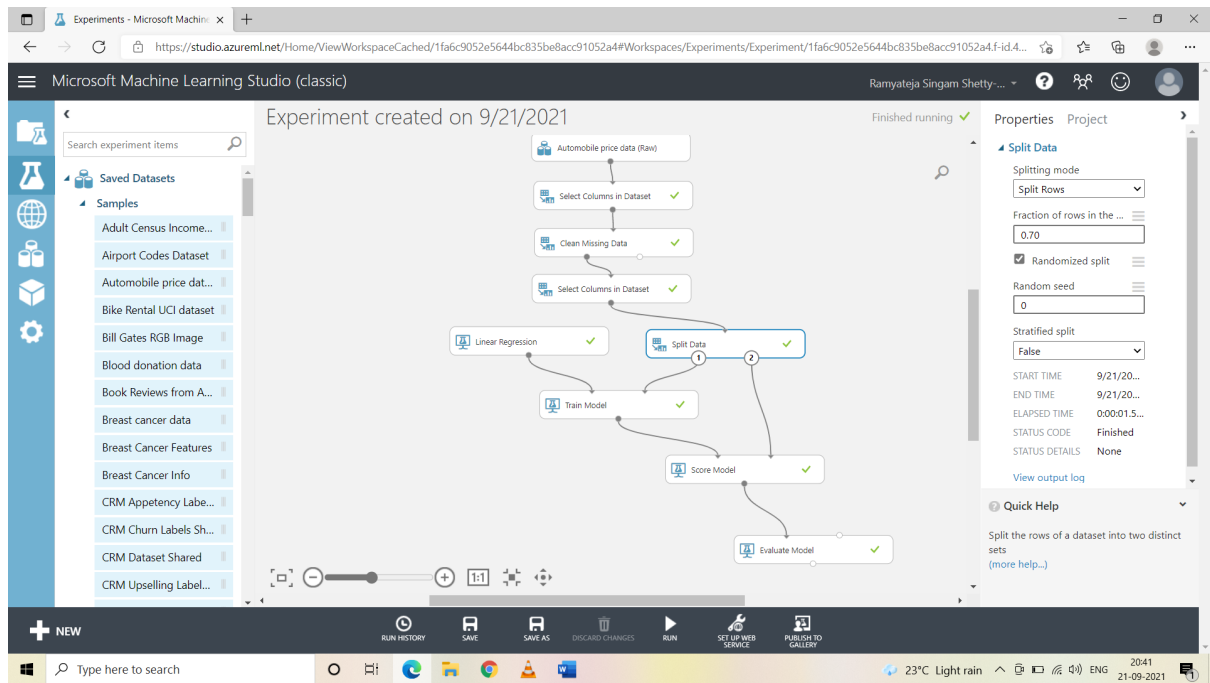
STATUS DETAILS Task output

Quick Help

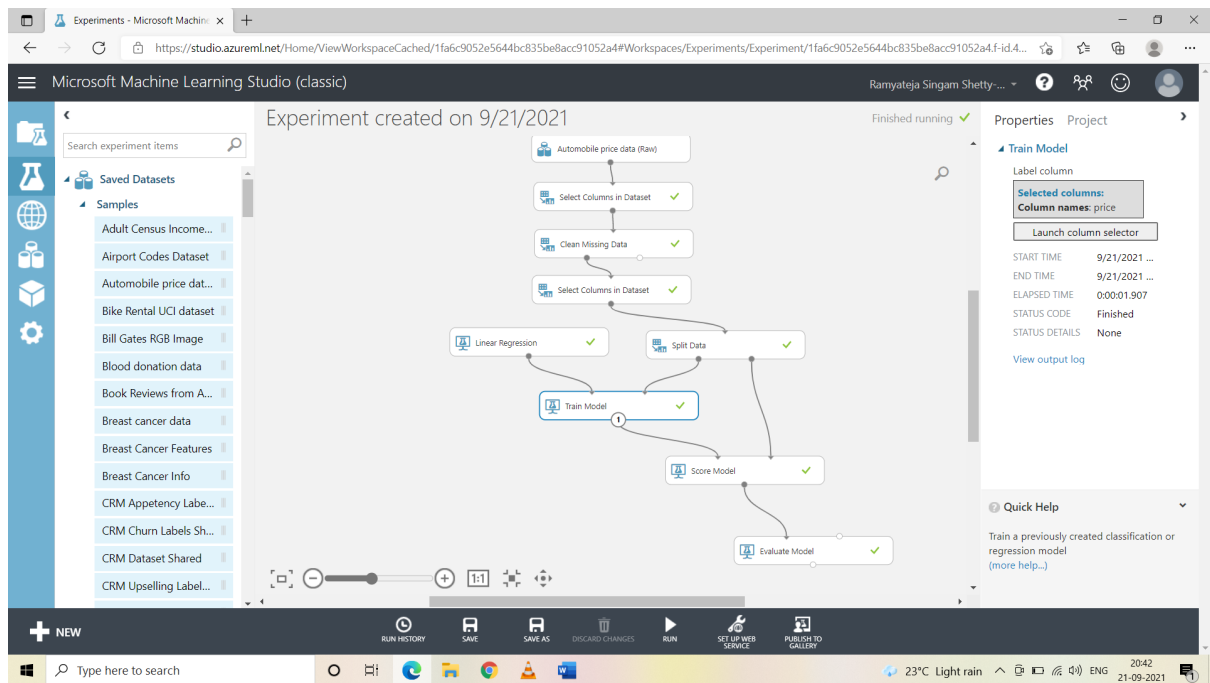
Specifies how to handle the values missing from a dataset (more help...)

23°C Light rain 20:40 21-09-2021

Split Data:



Model Training and Algorithm:



Using Linear Regression to train the model:

Experiment created on 9/21/2021

Finished running

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 20:43

END TIME: 9/21/2021 20:47

ELAPSED TIME: 0:00:00.0...

STATUS CODE: Finished

STATUS DETAILS: Task output was present in...

Quick Help: Creates a linear regression model (more help...)

Score Model and Evaluation Model:

Experiment created on 9/21/2021

Score Model

Scored dataset

rows: 58, columns: 26

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

