

ServiceNow-with-Machine-Learning

Perform your Machine Learning on any table inside ServiceNow and store the model for prediction at later stages.

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Step 1 : Choose table

Machine Learning

Table Name *

x_248338_machine_l_cars

Table name on which to perform learning.

Next

Step 2 : Select Training Data and Output Data

Machine Learning

Table Name *

x_248338_machine_l_cars

Table name on which to perform learning.

Next

Data Columns *

acceleration
carname
cylinders
displacement
horsepower

Training Data Columns

Label Column *

mpg

Output Label

Table Query(if any)

Table Query

ServiceNow Query Builder - Limit Records

Next

Step3 : Select No. of Test Records to calculate accuracy. Also if you want to convert any labeled column to numerical one, use converters field. Use JavaScript in converters in the shown format.

Machine Learning

Table - x_248338_machine_l_cars

Shuffle *

False

Shuffle Data before training

Split Test Records *

35

TestSet Size

Converters

```
{
  internal_name_of_column: (value) => {
    return value === 'TRUE' ? [0,1] : [1,0];
  }
}
```

Use JS to convert labeled data to numerical one. Labeled column needs be an array. Other columns need to return numeric data only.

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Next

Step 4 : Use charts to get insights from data

Machine Learning

Select Column

horsepower

Show Chart

Select Chart

Histogram

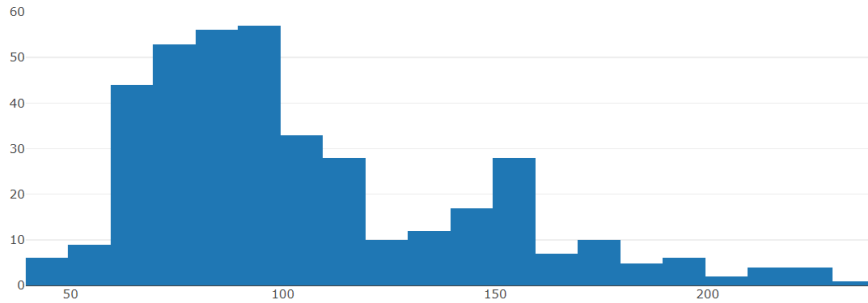
Line Chart

Violin Plot

Box Plot

Table

Histogram



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Next

Step 5 : Select Algorithm, set learning rate, iterations and batch size and click train.

Machine Learning

Select Type *

Regression

Machine learning type to perform

Select Algorithm *

Linear Regression

Machine learning algorithm to perform

Learning Rate *

1

Good values to start- 0.0001, 0.001, 0.01, 0.1, 1, 10

Batch Size *

40

Batch size to perform learning

Purpose *

MPG Prediction

Purpose of model

Back

Re-train

Save Model

i

Training started

Please dont press anything else

OK

Step 6 : Wait for model to get trained and see the accuracy.

Machine Learning

Select Type *

Regression

Machine learning type to perform

Select Algorithm *

Linear Regression

Machine learning algorithm to perform

Learning Rate *

1

Good values to start- 0.0001, 0.001, 0.01, 0.1, 1, 10

Iterations *

100

Number of iterations to run on training data.

Batch Size *

20

Batch size to perform learning

Purpose *

Predicting mpg

Purpose of model

Back

Re-train

Save Model

Accuracy Score - 63

Step 7 : Then save the model using Save Model button.

