TEAM ID: PNT2022TMID39954

PROJECT NAME: DemandEst - AI powered Food DemandForecaster

Unsupervised Learning

5:16 / 9:39 • Unsupervised Learning
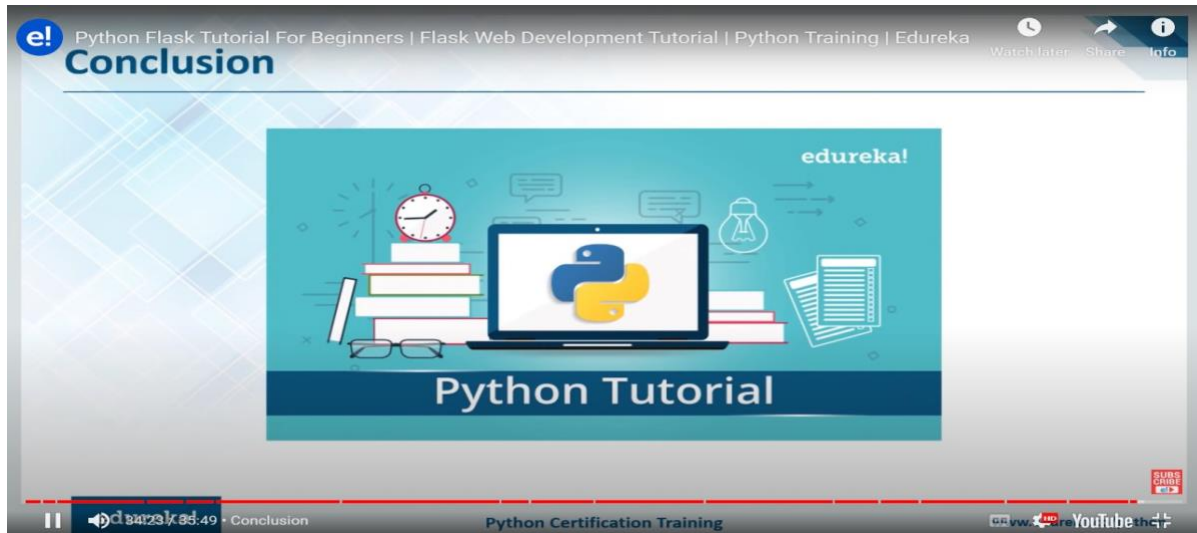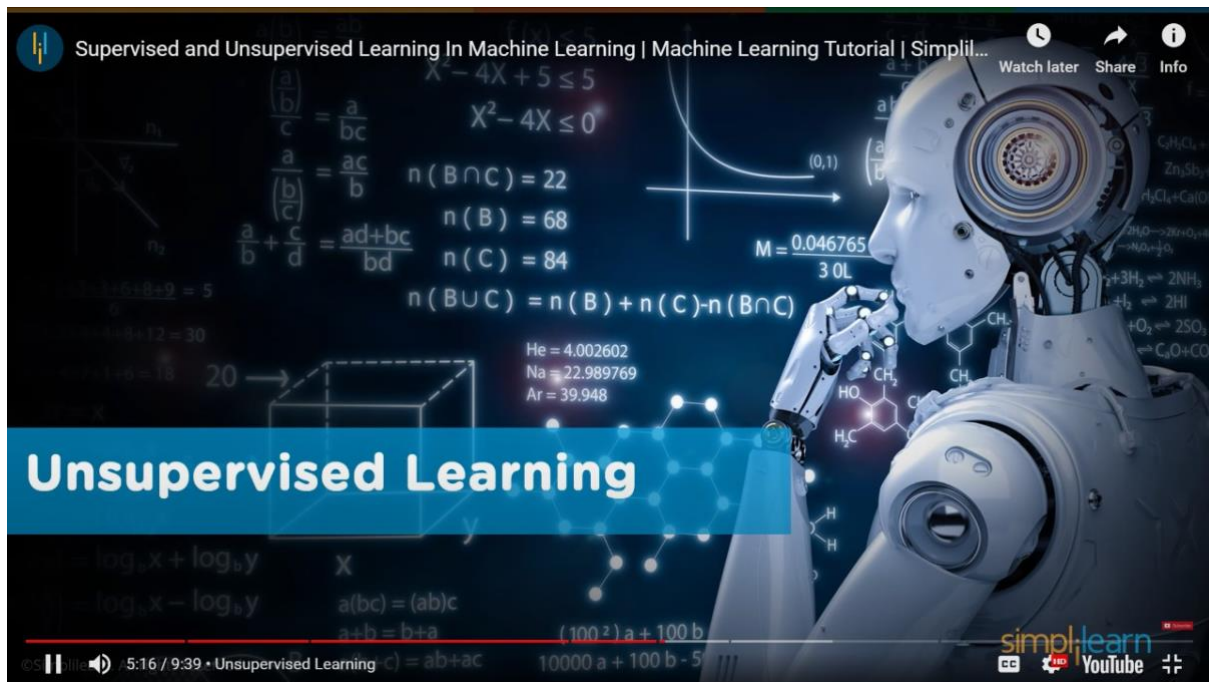
Types of Supervised Learning
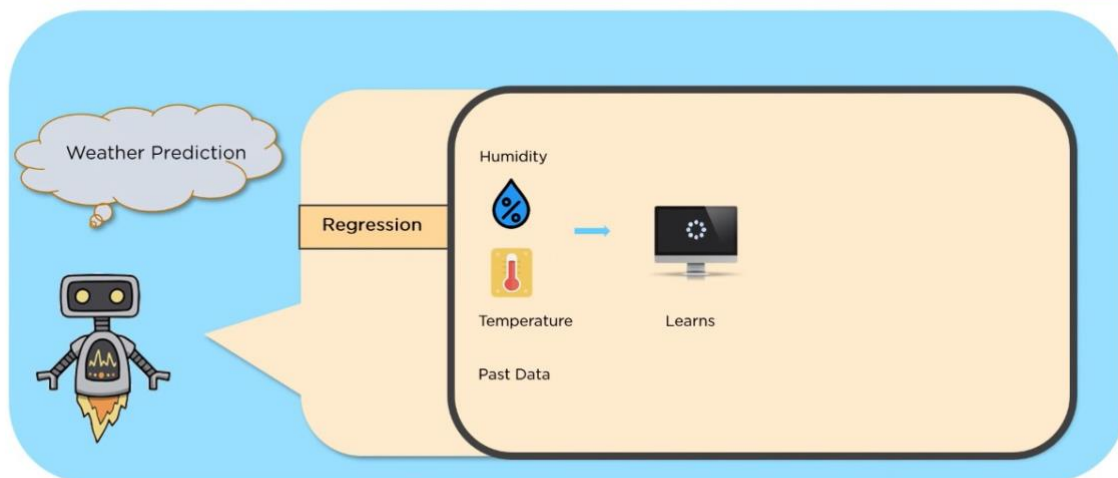
Weather Prediction

Regression

Humidity

Temperature

Past Data

Learns

```
In [10]: from sklearn import tree

In [11]: model = tree.DecisionTreeClassifier()

In [12]: model.fit(inputs_n,target)

Out[12]: DecisionTreeClassifier(class_weight=None, criterion='gini', max_depth=None,
                                max_features=None, max_leaf_nodes=None,
                                min_impurity_decrease=0.0, min_impurity_split=None,
                                min_samples_leaf=1, min_samples_split=2,
                                min_weight_fraction_leaf=0.0, presort=False, random_state=None,
                                splitter='best')
```

Create sklearn model using DecisionTreeClassifier
10:37

10:44 / 14:45 • Create sklearn model using DecisionTreeClassifier

Machine Learning in R - Classification, Regression and Clustering Problems

Introduction to Machine Learning

Regression

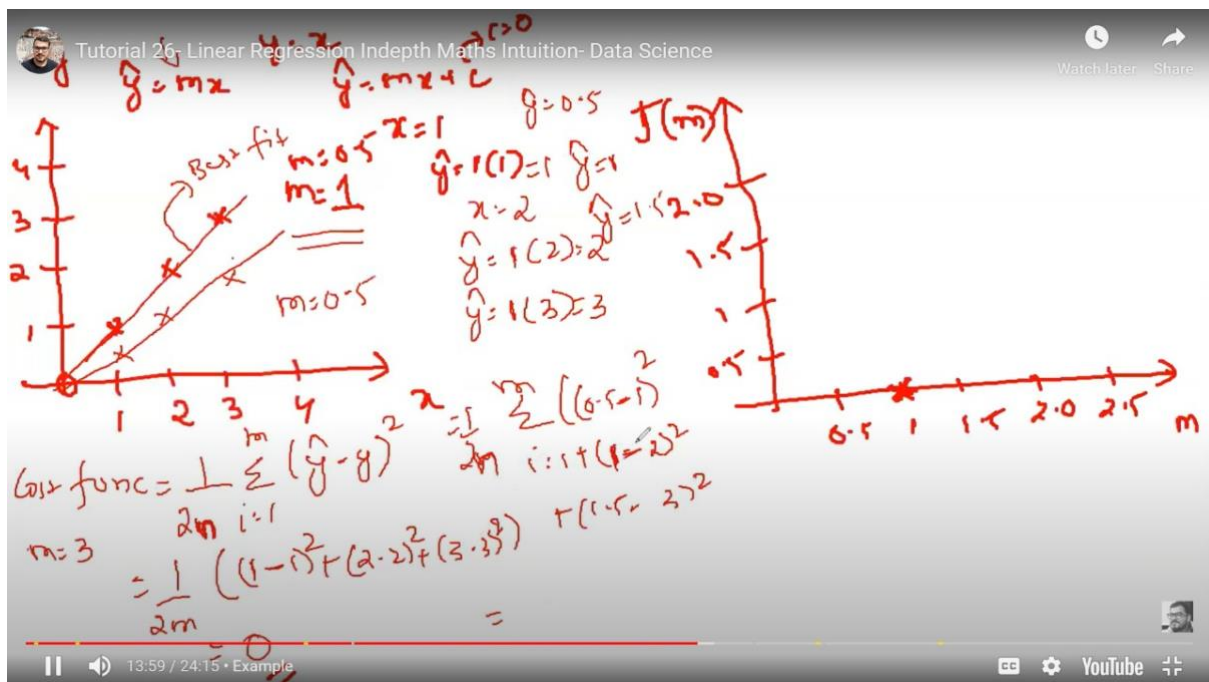PREDICTORS → **REGRESSION FUNCTION** → RESPONSE

• Relationship: **Height** - **Weight**?

3:05 / 6:39 • Regression

Unsupervised Learning

In Unsupervised Learning, the algorithm is trained using data that is unlabeled