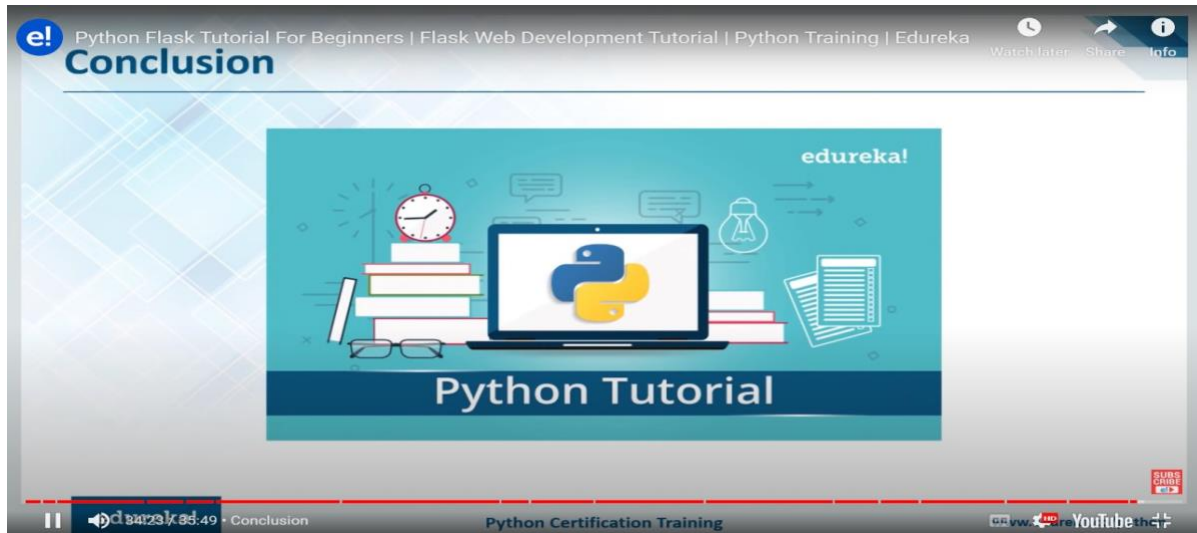
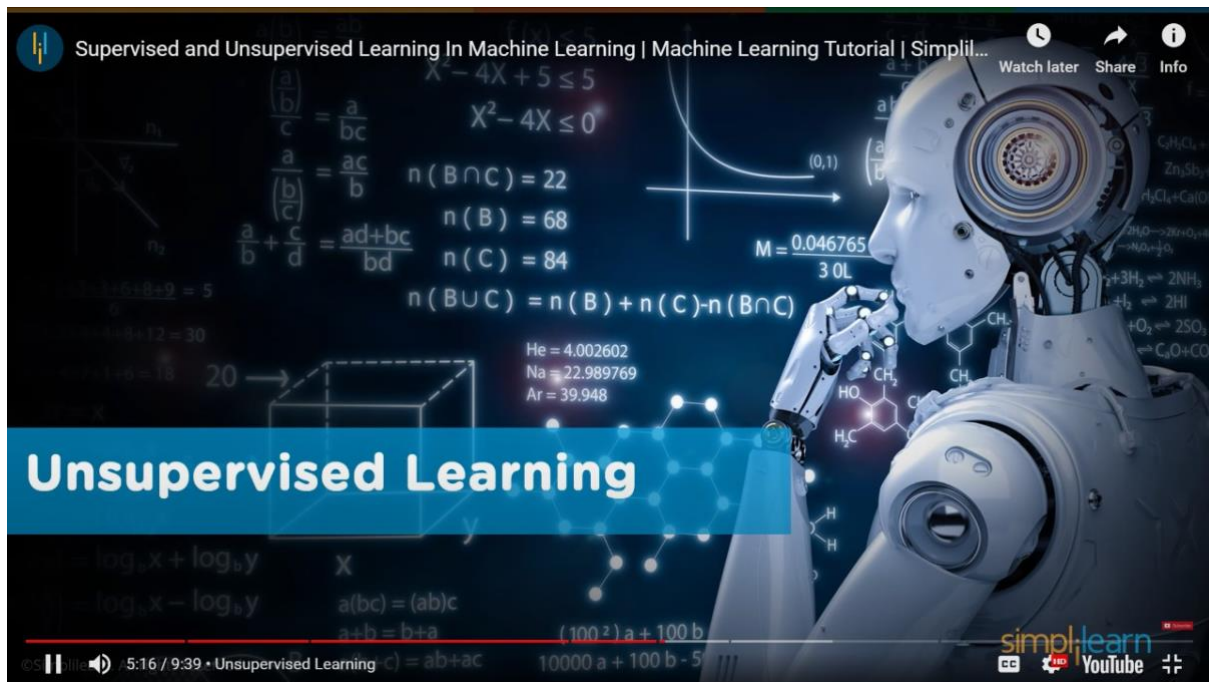


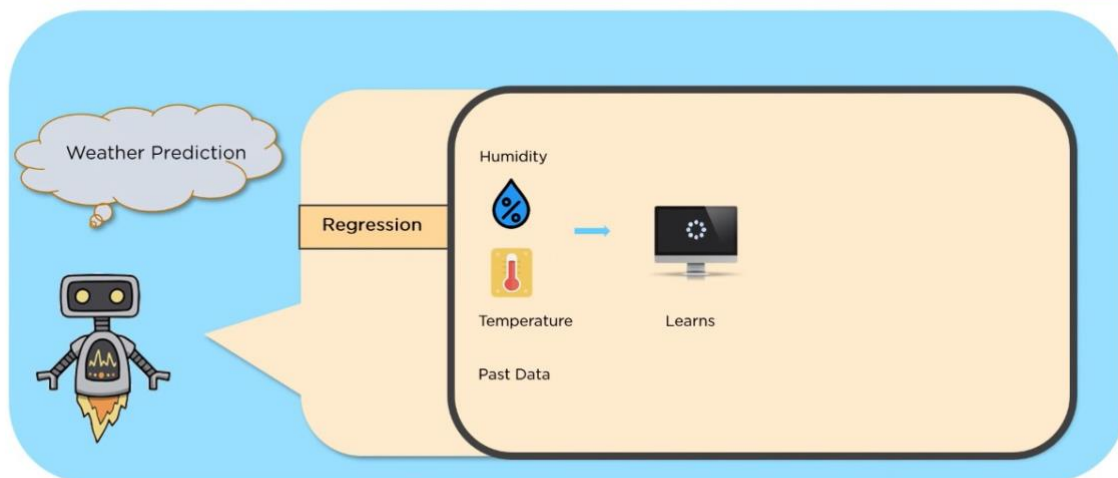
TEAM ID: PNT2022TMID39954

PROJECT NAME: DemandEst - AI powered Food DemandForecaster





Types of Supervised Learning



Machine Learning Tutorial Python - 9 Decision Tree
Jupyter Untitled Last Checkpoint: 11 minutes ago (unsaved changes)

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Code

9	0	0	1
10	1	2	0
11	1	2	1
12	1	0	0
13	1	0	1
14	1	1	0
15	1	1	1

```
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

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Regression

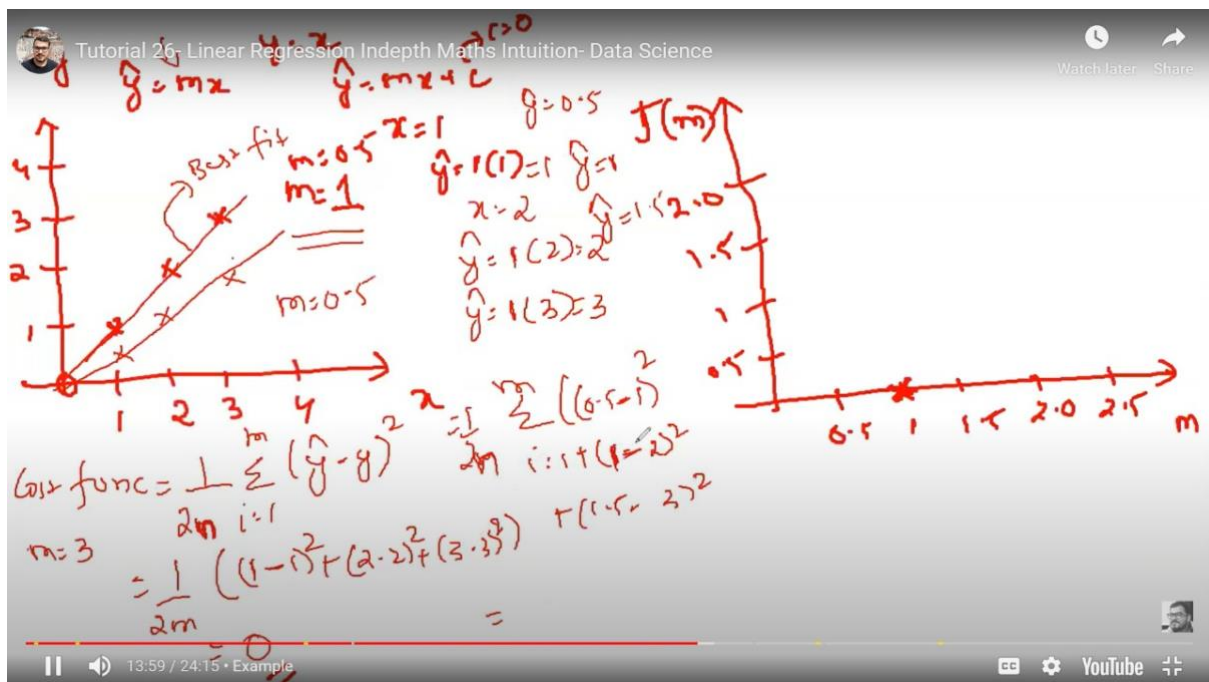
PREDICTORS → REGRESSION FUNCTION → RESPONSE

- Relationship: **Height - Weight?**



3:05 / 6:39 • Regression

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Unsupervised Learning

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

5:20 / 9:39 • Unsupervised Learning

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