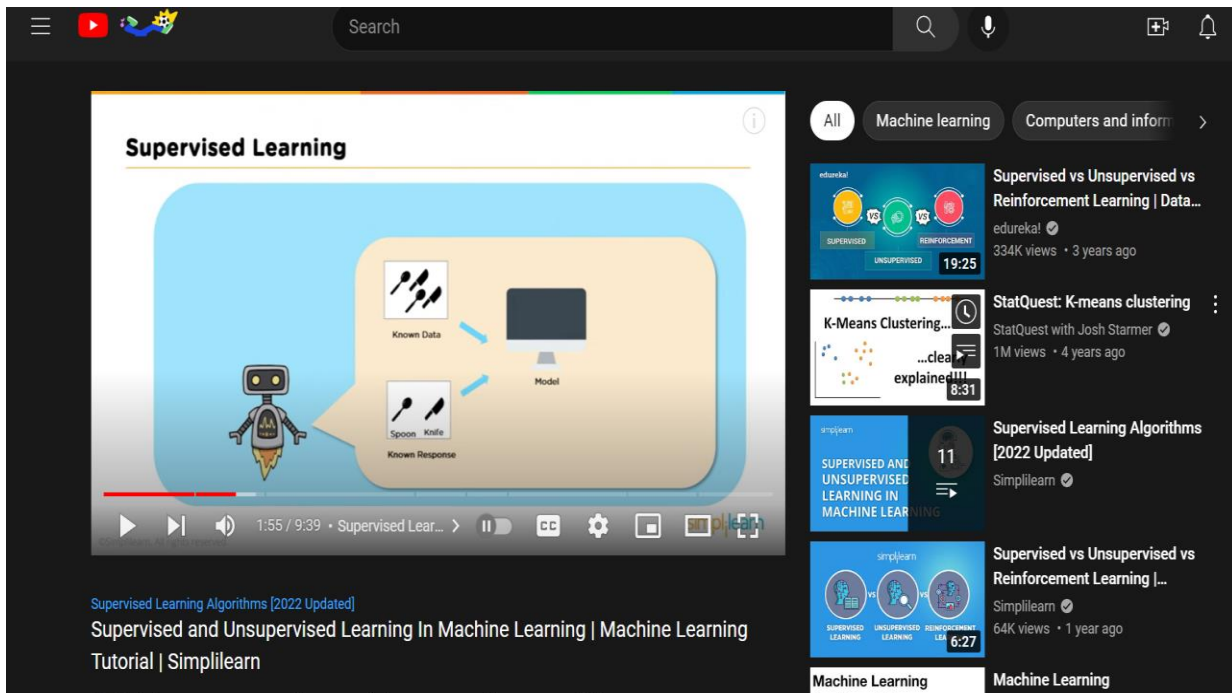


TEAM ID: PNT2022TMID23326

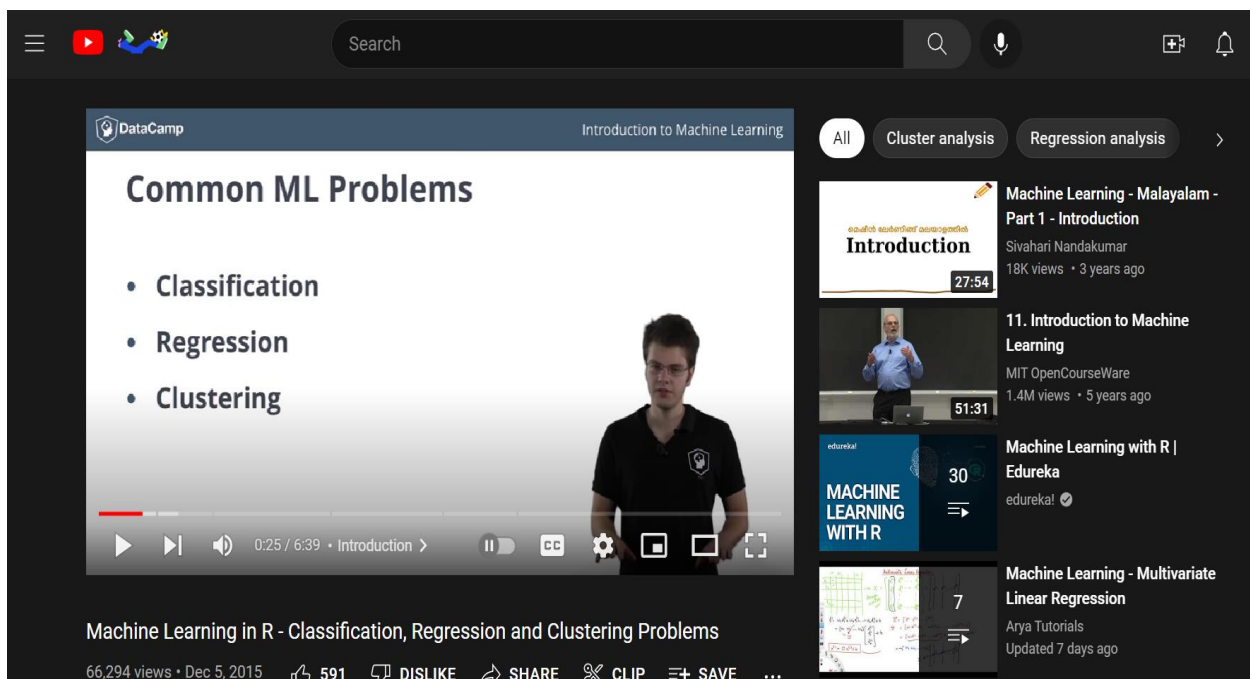
PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

TEAM LEADER-JESLIN NEHA P



The video player shows a slide titled "Supervised Learning". It features a diagram where a robot character points to a box labeled "Known Data" and another box labeled "Known Response". Arrows from these boxes point to a central box labeled "Model". Below the diagram, the video title is "Supervised Learning Algorithms [2022 Updated]" and the channel name is "Simplilearn". The video progress bar shows 1:55 / 9:39.

Supervised Learning Algorithms [2022 Updated]
Simplilearn



The video player shows a slide titled "Common ML Problems" from a DataCamp video. The slide lists three bullet points: "Classification", "Regression", and "Clustering". Below the list is a video of a man speaking. The video title is "Machine Learning in R - Classification, Regression and Clustering Problems" and the channel name is "DataCamp". The video progress bar shows 0:25 / 6:39.

Machine Learning in R - Classification, Regression and Clustering Problems
DataCamp

TEAM MEMBER 1-AMRUTHAVARSHINI T

The video player displays a slide titled "Types of Supervised Learning". The slide features a diagram where a cloud labeled "Spam Mails" points to a box labeled "Classification". This box then points to a box labeled "Learns", which is further divided into "Not spam" and "Spam". A small robot character is also present on the left side of the slide. The video player interface includes a search bar, a menu icon, and a progress bar showing 3:31 / 9:39. Below the video, the title "Supervised Learning Algorithms [2022 Updated]" and the channel name "Simplilearn" are visible.

Types of Supervised Learning

Spam Mails

Classification

Not spam

Spam

Learns

Supervised Learning Algorithms [2022 Updated]

Supervised and Unsupervised Learning In Machine Learning | Machine Learning Tutorial | Simplilearn

The video player displays a slide titled "Classification Problem" from DataCamp's "Introduction to Machine Learning" course. The slide states the "Goal: predict category of new observation" and mentions "Earlier Observations". A presenter is visible in the bottom right corner of the video frame. The video player interface includes a search bar, a menu icon, and a progress bar showing 0:54 / 6:39. Below the video, the title "Machine Learning in R - Classification, Regression and Clustering Problems" and the channel name "DataCamp" are visible.

Classification Problem

Goal: predict category of new observation

Earlier Observations

Machine Learning in R - Classification, Regression and Clustering Problems

66,294 views • Dec 5, 2015

Search

$y = mx + c$

Cost function

$$= \frac{1}{2m} \sum_{i=1}^m (\hat{y} - y)^2$$
 ↓ minimize

6:27 / 24:15 • Introduction >

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```
In [1]: import pandas as pd
df = pd.read_csv("salaries.csv")
df.head()
```

Out[1]:

	company	job	degree	salary_more_than_100k
0	google	sales executive	bachelors	0
1	google	sales executive	masters	0
2	google	business manager	bachelors	1
3	google	business manager	masters	1
4	google	computer programmer	bachelors	0

In []:

4:28 / 14:45 • Coding (start) >

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TEAM MEMBER 2-ARCHANA G

YouTube video player interface showing a video titled "Applications of Supervised Learning". The video is from the channel "Simplilearn" and has 152,274 views. The video content includes a diagram illustrating the applications of Supervised Learning, specifically Risk Assessment and Image Classification. The video player shows the video is at 4:53 / 9:39.

Applications of Supervised Learning

Areas where Supervised Learning is used

Supervised Learning

Risk Assessment

Image Classification

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K-Means Clustering... clearly explained!!!

8:31

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Machine Learning Fundamentals

Machine Learning Fundamentals

YouTube video player interface showing a video titled "Classification Applications" from the channel "DataCamp". The video is part of the "Introduction to Machine Learning" series and has 66,294 views. The video content includes a list of applications: Medical Diagnosis and Animal Recognition. The video player shows the video is at 1:46 / 6:39.

Classification Applications

- Medical Diagnosis
- Animal Recognition

Important:

Machine Learning in R - Classification, Regression and Clustering Problems

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TEAM MEMBER 3-ASWINI M

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6:27

Machine Learning Machine Learning

DataCamp Introduction to Machine Learning

Regression Applications

- Payments → Credit Scores
- Time → Subscriptions
- Grades → Landing a Job

4:31 / 6:39 • Applications of ... >

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13:17

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```

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')

In [13]: model.score(inputs_n,target)
Out[13]: 1.0

In [14]: model.predict([[2,0,1]])
Out[14]: array([1], dtype=int64)

```

13:16 / 14:45 • Create sklearn model using De...

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