

TEAM ID: PNT2022TMID18078

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

TEAM LEADER

YouTube video player showing a DataCamp video titled "Clustering". The video is part of the "Introduction to Machine Learning" series. The video content includes a list of bullet points:

- **Clustering:** grouping objects in clusters
 - *Similar* within cluster
 - *Dissimilar* between clusters
- **Example:** Grouping similar animal photos
 - No labels
 - No right or wrong

The video features a presenter, Nathan Kutz, who is speaking and gesturing. The video player interface shows the DataCamp logo, the video title, and the number of subscribers (138K). The video has 587 likes and 121K views. The video player also shows a list of recommended videos on the right side, including "Data Analysis: Clustering and Classification (Lec. 1, part 1)", "Teach me STATISTICS in half an hour!", "Mix - DataCamp", "11. Introduction to Machine Learning", and "AI VS ML VS DL VS Data Science".

YouTube video player showing a video titled "Applications of Unsupervised Learning". The video is part of the "Machine Learning Algorithms" series. The video content includes a diagram illustrating the applications of Unsupervised Learning:

```
graph TD
    A[Unsupervised Learning] --> B[Market Basket Analysis]
    A --> C[Semantic Clustering]
```

The diagram also includes a thought bubble labeled "Areas where Unsupervised Learning is used" and a small robot character. The video player interface shows the video title, the number of subscribers (138K), and the video has 587 likes and 121K views. The video player also shows a list of recommended videos on the right side, including "Machine Learning Algorithms | Machine Learning Tutorial [...]", "Linear Regression vs Logistic Regression | Data Science...", "Supervised vs Unsupervised vs Reinforcement Learning [...]", "Mix - Simplilearn", and "Supervised Learning Algorithms [2022 Updated]".

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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')
In [ ]: model.score(inputs_n,target)
```

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Machine Learning Tutorial Python - 9 Decision Tree

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IBM x Supervised and Unsupervised WhatsApp x +

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Applications of Unsupervised Learning

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Supervised Learning Algorithms [2022 Updated]

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Supervised and Unsupervised...

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Introduction to Machine Learning

Clustering


- **Clustering:** grouping objects in clusters
 - *Similar* within cluster
 - *Dissimilar* between clusters







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5:18 / 6:39 • Applications of Regression >


Machine Learning in R - Classification, Regression and Clustering Problems


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Nathan Kutz
121K views • 6 years ago



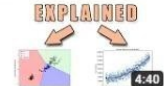
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helping you to find out the derivative of the slope when m

Convergence Theorem

SOLAR PROJECTS

Structural Analysis & Design

Convergence Theorem

Gradient Descent

Convergence Theorem

$$m = m - \left(\frac{\partial m}{\partial \text{learning rate}} \right) \times \text{learning rate}$$

18:31 / 24:15 • Convergence Theorem >

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Machine Learning Algorithms

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Flask – Redirect & Errors



Standardized status codes

Prototype



Flask.abort(code)

Sl.no	Status Code
1	HTTP_300_MULTIPLE_CHOICES
2	HTTP_301_MOVED_PERMANENTLY
3	HTTP_302_FOUND
4	HTTP_303_SEE_OTHER
5	HTTP_304_NOT_MODIFIED
6	HTTP_305_USE_PROXY
7	HTTP_306_RESERVED

Sl.no	Code	Description
1	400	Bad Request
2	401	Unauthenticated
3	403	Forbidden
4	404	Not Found
5	406	Not Acceptable
6	415	Unsupported Media Type
7	429	Too Many Requests

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TEAM MEMBER 2

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DataCamp Introduction to Machine Learning

Regression

PREDICTORS → REGRESSION FUNCTION → RESPONSE

Relationship: Height - Weight?

Machine Learning in R - Classification, Regression and Clustering Problems

65K views 6 years ago

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- Applications 1:06
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All Statistical classification Machine learning

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Flask – HTTP Methods

First we look at the HTML file

```
<html>
<body>

  <form action = "http://localhost:5000/login" method = "post">
    <p>Enter Name:</p>
    <p><input type = "text" name = "nm" /></p>
    <p><input type = "submit" value = "submit" /></p>
  </form>

</body>
</html>
```

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ENG 12:45 03-11-2022

TEAM MEMBER 3

The screenshot shows a YouTube video player interface. The video is titled "Machine Learning in R - Classification, Regression and Clustering Problems" by DataCamp. The video player shows a man speaking, with a diagram overlay on the left. The diagram consists of a box labeled "PREDICTORS" with an arrow pointing to a box labeled "REGRESSION FUNCTION".

Below the video player, the video title "Machine Learning in R - Classification, Regression and Clustering Problems" is displayed, along with the DataCamp logo (138K subscribers) and a "Subscribe" button. The video has 587 likes and 65K views, posted 6 years ago.

On the right side of the video player, there is a list of recommended videos:

- Data Analysis: Clustering and Classification (Lec. 1, part 1)** by Nathan Kutz, 121K views, 6 years ago.
- Mix - DataCamp** - More from this channel for you.
- 11. Introduction to Machine Learning** by MIT OpenCourseWare, 1.3M views, 5 years ago.
- Market Basket Analysis Using R/Excel- 26th April 2016** by Equiskill Insights LLP, 4.1K views, 6 years ago.
- Random Forest & Decision Trees using R** by Michael Malak, 11K views, 8 years ago.

The browser's address bar shows the URL "youtube.com/watch?v=6za9_mh3uTE". The Windows taskbar at the bottom shows the Start button, a search bar, and several open applications including Edge, File Explorer, and Chrome. The system clock indicates the time is 15:58 on 03-11-2022.



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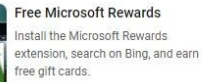
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From the series

Regression analysis

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Python 3.0

```
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 [2]: inputs = df.drop('salary_more_than_100k',axis='columns')
target = df['salary_more_than_100k']

In [ ]: Input
```

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