

TEAM ID: PNT2022TMID32368

## PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

TEAM LEADER

The screenshot shows a YouTube video player for a video titled "Clustering" by DataCamp. The video is part of a series on "Introduction to Machine Learning". 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", and "No right or wrong". A man in a black shirt is visible in the video frame. The video has 587 likes and a "Subscribe" button. The right sidebar shows related videos, including "Data Analysis: Clustering and Classification (Lec. 1, part 1)" and "Teach me STATISTICS in half an hour".

IBM [226] Machine [226] Supervised IBM-Project-303 WhatsApp Download file Downloads

youtube.com/watch?v=6z29\_mh3uTE

YouTube

DataCamp Introduction to Machine Learning

### Clustering

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

Machine Learning in R - Classification, Regression and Clustering Problems

DataCamp 138K subscribers Subscribe 587 Like Share Download

Related videos:

- Data Analysis: Clustering and Classification (Lec. 1, part 1) 12.1K views · 5 years ago
- TEACH ME statistics IN 30 MINS 42:09 1.6M views · 3 years ago
- Mix - DataCamp More from this channel for you
- 11. Introduction to Machine Learning MIT OpenCourseWare 1.3M views · 5 years ago
- AI VS ML VS DL VS Data Science 3.3M views · 2 years ago

The screenshot shows a YouTube video player for a video titled "Applications of Unsupervised Learning" by Simplilearn. The video content includes a diagram showing "Unsupervised Learning" branching into "Market Basket Analysis" and "Semantic Clustering". A robot character is shown in the video frame. The video has 11 likes and a "Subscribe" button. The right sidebar shows related videos, including "Machine Learning Algorithms | Machine Learning Tutorial" and "Linear Regression vs Logistic Regression | Data Science".

IBM [226] Supervised IBM-Project-303 WhatsApp Download file Downloads

youtube.com/watch?v=4ESQD3G\_79k&t=11s

YouTube

### Applications of Unsupervised Learning

Unsupervised Learning

- Market Basket Analysis
- Semantic Clustering

Supervised Learning Algorithms [2022 Updated]

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

Related videos:

- MACHINE LEARNING ALGORITHMS 1:11:25 307K views · 4 years ago
- Linear Regression vs Logistic Regression | Data Science... 20:27 100K views · 3 years ago
- Supervised vs Unsupervised vs Reinforcement Learning... 6:27 60K views · 1 year ago
- Mix - Simplilearn More from this channel for you
- Supervised Learning Algorithms [2022 Updated] 11 3.9M views · 2 years ago

IBM x Q2M Tutori x Q2M Machi x Q2M Supri x IBM-Proje x (H) WhatsApp x Download x Downloads x +

youtube.com/watch?v=T-QG8bYnRQs

YouTube

Search

Handwritten notes on a graph showing the cost function  $J(m)$  versus the parameter  $m$ . The graph illustrates the gradient descent process, with labels for "Gradient Descent", "Learning Rate", and "Global Minimum". The cost function is a parabola opening upwards, and the parameter  $m$  is on the x-axis. The y-axis is labeled  $J(m)$  and has values 0.5, 1, 1.5, 2.0. The x-axis has values -0.5, 0, 0.5, 1, 1.5, 2, 2.5. The minimum is at  $m=1$  and  $J(m)=0.5$ .

Convergence theorem

$$m = m - \left( \frac{\partial m}{\partial m} \right) \times \text{Learning Rate}$$

$$m = m - (-1) \times 0.01$$

$$= m + (+ve) \text{ small}$$

PySpark with Python

Tutorial 26- Linear Regression Indepth Maths Intuition- Data Science

Krish Naik

Join

Subscribe

4.9K

Share

Download

Ad - Chegg Study

Ad - chegg.com/study-pack

Subscribe

From the series

Linear functions

Mix

Data Science Course Training

300+ hours of practical assignments with 2+2 live projects. Get IBM Certified.

Ad - Skillgate

Learn more

Tutorial 27- Ridge and Lasso Regression in-depth intuition...

Krish Naik

216K views · 2 years ago

Mix - Krish Naik

More from this channel for you

Go to Settings to activate Windows

IBM x Q2M Mac x Q2M Tut x Q2M Mac x Q2M Sup x IBM-Proje x (H) What x Download x Downloads x +

youtube.com/watch?v=PHxYNGo2NcI

YouTube

Search

Handwritten notes on a graph showing the cost function  $J(m)$  versus the parameter  $m$ . The graph illustrates the gradient descent process, with labels for "Gradient Descent", "Learning Rate", and "Global Minimum". The cost function is a parabola opening upwards, and the parameter  $m$  is on the x-axis. The y-axis is labeled  $J(m)$  and has values 0.5, 1, 1.5, 2.0. The x-axis has values -0.5, 0, 0.5, 1, 1.5, 2, 2.5. The minimum is at  $m=1$  and  $J(m)=0.5$ .

Convergence theorem

$$m = m - \left( \frac{\partial m}{\partial m} \right) \times \text{Learning Rate}$$

$$m = m - (-1) \times 0.01$$

$$= m + (+ve) \text{ small}$$

PySpark with Python

Tutorial 26- Linear Regression Indepth Maths Intuition- Data Science

Krish Naik

Join

Subscribe

4.9K

Share

Download

Ad - Chegg Study

Ad - chegg.com/study-pack

Subscribe

From the series

Linear functions

Mix

Data Science Course Training

300+ hours of practical assignments with 2+2 live projects. Get IBM Certified.

Ad - Skillgate

Learn more

Tutorial 27- Ridge and Lasso Regression in-depth intuition...

Krish Naik

216K views · 2 years ago

Mix - Krish Naik

More from this channel for you

Go to Settings to activate Windows

Handwritten notes on a graph showing the cost function  $J(m)$  versus the parameter  $m$ . The graph illustrates the gradient descent process, with labels for "Gradient Descent", "Learning Rate", and "Global Minimum". The cost function is a parabola opening upwards, and the parameter  $m$  is on the x-axis. The y-axis is labeled  $J(m)$  and has values 0.5, 1, 1.5, 2.0. The x-axis has values -0.5, 0, 0.5, 1, 1.5, 2, 2.5. The minimum is at  $m=1$  and  $J(m)=0.5$ .

Convergence theorem

$$m = m - \left( \frac{\partial m}{\partial m} \right) \times \text{Learning Rate}$$

$$m = m - (-1) \times 0.01$$

$$= m + (+ve) \text{ small}$$

PySpark with Python

Tutorial 26- Linear Regression Indepth Maths Intuition- Data Science

Krish Naik

Join

Subscribe

4.9K

Share

Download

Ad - Chegg Study

Ad - chegg.com/study-pack

Subscribe

From the series

Linear functions

Mix

Data Science Course Training

300+ hours of practical assignments with 2+2 live projects. Get IBM Certified.

Ad - Skillgate

Learn more

Tutorial 27- Ridge and Lasso Regression in-depth intuition...

Krish Naik

216K views · 2 years ago

Mix - Krish Naik

More from this channel for you

Go to Settings to activate Windows

Handwritten notes on a graph showing the cost function  $J(m)$  versus the parameter  $m$ . The graph illustrates the gradient descent process, with labels for "Gradient Descent", "Learning Rate", and "Global Minimum". The cost function is a parabola opening upwards, and the parameter  $m$  is on the x-axis. The y-axis is labeled  $J(m)$  and has values 0.5, 1, 1.5, 2.0. The x-axis has values -0.5, 0, 0.5, 1, 1.5, 2, 2.5. The minimum is at  $m=1$  and  $J(m)=0.5$ .

Convergence theorem

$$m = m - \left( \frac{\partial m}{\partial m} \right) \times \text{Learning Rate}$$

$$m = m - (-1) \times 0.01$$

$$= m + (+ve) \text{ small}$$

PySpark with Python

Tutorial 26- Linear Regression Indepth Maths Intuition- Data Science

Krish Naik

Join

Subscribe

4.9K

Share

Download

Ad - Chegg Study

Ad - chegg.com/study-pack

Subscribe

From the series

Linear functions

Mix

Data Science Course Training

300+ hours of practical assignments with 2+2 live projects. Get IBM Certified.

Ad - Skillgate

Learn more

Tutorial 27- Ridge and Lasso Regression in-depth intuition...

Krish Naik

216K views · 2 years ago

Mix - Krish Naik

More from this channel for you

Go to Settings to activate Windows

YouTube video player interface showing a video titled "Flask – Variable Rules". The video content includes a Python code snippet for a Flask application and a comparison of route definitions.

**Flask – Variable Rules**

Consider the following code:

```
from flask import Flask
app = Flask(__name__)

@app.route('/flask')
def hello_flask():
    return 'Hello Flask'

@app.route('/python')
def hello_python():
    return 'Hello Python'

if __name__ == '__main__':
    app.run()
```

Buttons: `/python` = `/python/`, `/flask` ≠ `/flask/`

edureka! Python Certification Training

Python Flask Tutorial For Beginners | Flask Web Development Tutorial | Python Training | Edureka

2.4K likes, 1 share, 1 download

Related videos on the right:

- FLASK PYTHON**: Flask Framework in Python (Tamil) | Flask Complete Tutorial... (Tutor Joos Stanley, 37K views, 1 year ago)
- PYTHON FULL COURSE**: Python Tutorial - Python Full Course for Beginners (Programming with Mosh, 35M views, 3 years ago)
- Mix - edureka!**: More from this channel for you.
- PLAY ALL**: Python Full Course
- PYTHON WEBSITE**: build a meme Python website (Flask Tutorial for Beginners) (NetworkChuck, 17K views, 2 months ago)
- Learn SQL in 60 Minutes**: Web Dev Simplified (1.2M views, 4 years ago)

TEAM MEMBER 1

YouTube video player interface showing a video titled "Applications of Unsupervised Learning". The video content includes a diagram illustrating the areas where unsupervised learning is used.

**Applications of Unsupervised Learning**

Areas where Unsupervised Learning is used:

- Market Basket Analysis
- Semantic Clustering

SimpleLearn

Supervised Learning Algorithms [2022 Updated]

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

Related videos on the right:

- Supervised vs Unsupervised vs Reinforcement Learning** | Data Science (edureka!, 331K views, 3 years ago)
- K-Means Clustering** (StatQuest with Josh Starmer, 1M views, 4 years ago)
- MACHINE LEARNING ALGORITHMS** | Machine Learning Tutorial (SimpleLearn, 507K views, 4 years ago)
- Deep Learning in 3 Minutes** | What is Deep Learning? | Deep Learning (SimpleLearn, 919K views, 3 years ago)
- Supervised Learning Algorithms** [2022 Updated] (SimpleLearn)
- Linear Regression vs Logistic Regression** | Data Science (edureka!)



Machine Learning in R - Classification, Regression and Clustering Problems

# Clustering

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



Machine Learning in R - Classification, Regression and Clustering Problems

DataCamp 126K subscribers

587 likes

Share Download

Search

Sign in

1243 05-11-2022

Recommended videos:

- Data Analysis: Clustering and Classification (Lec. 1, part 1) Nathan Kutz 121K views · 5 years ago
- Linear Regression vs Logistic Regression | Data Science... ibrahim 330K views · 3 years ago
- Machine Learning in R with caret: A tutorial for building a... Raphaël Chouin 2.2K views · 1 year ago
- 11. Introduction to Machine Learning MIT OpenCourseWare 1.3M views · 5 years ago
- When To Use Classification or Regression? Oscar Alving Ferreira 23K views · 4 years ago
- Difference between classification and regression... Tarek Port

Tutorial 26- Linear Regression Indepth Maths Intuition- Data Science



helping you to find out the derivative of the slope when

SOLAR PROJECTS Structural Analysis & Design

Convergence Theorem

FAANG Engineer Ad · scale.com

Tutorial 27- Ridge and Lasso Regression Indepth Intuition... Krish Naik 214K views · 2 years ago

Video 1: Introduction to Simple Linear Regression datamininggaze 1.1M views · 7 years ago

Machine Learning Tutorial Python - 4: Gradient Descent... codebasics 427K views · 4 years ago

Interview Prep Day 2- Linear Regression Interview Question... Krish Naik 62K views · 2 years ago

Search

Sign in

1243 05-11-2022

Machine Learning Tutorial Python - 9 Decision Tree

codebasics 889K subscribers

4.7K views · 2 years ago

Machine Learning Tutorial Python - 10 Support Vector...

codebasics 277K views · 3 years ago

Live Day 4- Discussing Decision Tree And Ensemble Machine...

Kunal Malik 108K views · Started 8 months ago

Random Forest Algorithm Clearly Explained!

Normalized Nand 182K views · 1 year ago

What is Machine Learning

Machine Learning Tutorial Python | Machine Learning For...

codebasics

Classification Trees in Python from Start to Finish

StatQuest with Josh Starmer 134K views · 2 years ago

Decision Tree Classification Clearly Explained!

Normalized Nand

Udemy Official Site - 196,000+ Online Courses

See millions of courses from around the world already learning on Udemy.

Udemy.com/Python

Python Certification Training

Python Flask Tutorial For Beginners | Flask Web Development Tutorial | Python Training | Edureka

# 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

Python Certification Training

## TEAM MEMBER 2

IBM | Supervised and Unsuper | Anaconda | Start Coding | Downloads | Firewall Authentication |

youtube.com/watch?v=8E5QJ8G\_75c

Search

### Types of Supervised Learning

Supervised Learning Algorithms [2022 Updated]  
Tutorial | Simplilearn  
149K views · 4 years ago

Machine learning | Computers and information technology

- Supervised vs Unsupervised vs Reinforcement Learning | Data Science | 19:25
- Linear Regression vs Logistic Regression | Data Science | 30:27
- Ajo Avasse kurti collection review haul video in Tamil. | 477 views · 1 day ago
- StatQuest: K means clustering | 1M views · 4 years ago
- Supervised Learning Algorithms [2022 Updated] | 11

IBM | Machine Learning | Supervised and | Anaconda | Start Coding | Downloads | Firewall Authentication |

youtube.com/watch?v=6za9\_mh3aTE

Search

### Regression

Machine Learning in R - Classification, Regression and Clustering Problems  
65K views · 6 years ago

DataCamp | 138K subscribers | Subscribe

587 | Share

#### Chapters

- Classification | 9:34
- Applications | 1:08
- Regression | 2:13
- Linear Regression | 3:25
- Applications of Regression | 4:03

Statistical classification | Machine learning

Data Analysis: Clustering and Classification (Lec. 1, part 1)



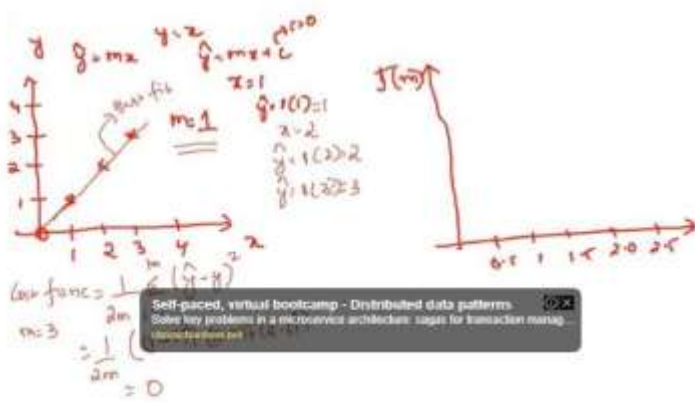
IBM Tutorial 26- Machine Learning Supervised Anacoda Downloads Firewall Authen

youtube.com/watch?v=1-OG6ohmPQs

Gmail YouTube Maps

YouTube

Search



Self-paced, virtual bootcamp - Distributed data patterns. Solve key problems in a microservice architecture: logs for transaction manag...

Python with Python

### Tutorial 26- Linear Regression Indepth Maths Intuition- Data Science

243K views · 2 years ago

Krish Naik 679K subscribers

Join Subscribe

4.9K

Share

Learn-Live-AI Ad - www.univ.ai/landing-page-univ-ai

From the series Regression analysis

IT Madras CCE - Data Science & AI Real-world Experience from 50+ Projects & Case Studies. Get Certified from IT Madras CCE. Ad - info@ipast.com

Tutorial 27- Ridge and Lasso Regression Indepth Intuition...

Krish Naik 216K views · 2 years ago

Mix - Krish Naik

More from this channel for you

Type here to search

IBM Python Tutorial Machine Supervised Anacoda Downloads Firewall Authen

youtube.com/watch?v=j4L\_CvImD0

Gmail YouTube Maps

YouTube

Search

English Tamil Google Translate

## Flask - HTTP Methods

First we look at the HTML file

```

<html>
<body>

<form action = "http://localhost:5000/login" method = "post">
  <input type = "text" name = "username" />
  <input type = "password" name = "password" />
  <input type = "submit" value = "Submit" />
</form>

</body>
</html>

```

edureka! Python Certification Training

Python Django Tutorial For Beginners

### Python Flask Tutorial For Beginners | Flask Web Development Tutorial | Python Training | Edureka

200K views · 3 years ago

edureka!

Python Courses Related

**FLASK PYTHON** Tutor Jovs Stanley 27K views · 1 year ago

**Learn PYTHON** Tamil Hacker 2.3K views · 3 years ago

**IT BASICS** Teach Me Cyber 101 views · 15 hours ago

**STATIC VARIABLES, STATIC METHODS & STATIC BLOCK** Sundeeep Ganeshi Karthikey 173K views · 3 years ago

Mix - edureka!

More from this channel for you

Type here to search

## TEAM MEMBER 3

IBM Supervised and Unsupervised

youtube.com/watch?v=KESQZSG\_78c

Search

### Applications of Supervised Learning

Areas where Supervised Learning is used

Supervised Learning Algorithms [2022 Updated]

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

Simplilearn 2.52M subscribers

2.6K

Share

Machine Learning Algorithms | Machine Learning Tutorial | Simplilearn 307K views · 4 years ago

Linear Regression vs Logistic Regression | Data Science... 330K views · 3 years ago

StatQuest: K-means clustering StatQuest with Josh Starmer 1M views · 4 years ago

Supervised Learning Algorithms [2022 Updated] Simplilearn

Supervised vs Unsupervised vs Reinforcement Learning | Computer Windows, Simplilearn 50K views · 1 year ago

Type here to search

IBM Machine Learning in R - Classification, Regression and Clustering Problems Supervised and Unsupervised

youtube.com/watch?v=rzaz\_mh0uUE

Search

### Regression

PREDICTORS → REGRESSION FUNCTION

Machine Learning in R - Classification, Regression and Clustering Problems

DataCamp 138K subscribers

587

Share

Statistical classification Cluster analysis

Data Analysis: Clustering and Classification (Lec. 1, part 1) Nathan Hull 121K views · 6 years ago

Mix - DataCamp More from this channel for you

11. Introduction to Machine Learning MIT OpenCourseWare 1.3M views · 5 years ago

Market Basket Analysis Using R/Excel - 26th April 2016 Equuskill Insights LLP 4.1K views · 6 years ago

Random Forest & Decision Trees using R Settings to activate Windows Michael Malik 17K views · 8 years ago

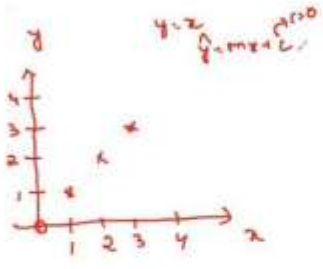
Type here to search



IBM Tutorial 26- Linear Regression

youtube.com/watch?v=f-OSRohvH2s

Search



Speak with Python

### Tutorial 26- Linear Regression Indepth Maths Intuition- Data Science

Krish Naik 675K subscribers

Join Subscribe

4.5K

Share

From the series Regression analysis

**Free Microsoft Rewards**  
Install the Microsoft Rewards extension, search on Bing, and earn free gift cards.  
Ad · Microsoft  
Download

**Tutorial 27- Ridge and Lasso Regression Indepth Intuition-**  
Krish Naik  
276K views · 2 years ago

**Mix - Krish Naik**  
More from this channel for you

**Introduction to Linear Regression in Tamil | Machine...**  
LWM · 6:03  
17K views · 3 years ago

Windows 10


Type here to search

15:58 09-11-2022

IBM Machine Learning Tutorial Python

youtube.com/watch?v=PHaYNGdNcl

Search



codebasics 652K subscribers

Subscribe

4.7K

Share

Statistical classification Machine learning

**Support Vector**  
Machine Learning Tutorial Python - 10 Support Vector...  
codebasics  
272K views · 2 years ago

**Random Forest**  
Random Forest Algorithm Clearly Explained!  
Normalized Nerd  
163K views · 1 year ago

**Data structures: Binary Tree**  
mycodechool  
1.3M views · 6 years ago

**Rajapattai Mayin Songs | Vilathi Villangal | Vikram, Deeksha...**  
Bamini Audio  
118K views · 3 years ago

Windows 10

Type here to search

15:59 09-11-2022

Python Flask Tutorial For Beginners | Flask Web Development Tutorial | Python Training | Edureka

Flask – Variable Rules

It is possible to build a URL dynamically!

By adding various parts to the rule parameter:

Consider the example:

```
from flask import Flask
app = Flask(__name__)

@app.route('/hello/<name>')
def hello(name):
    return 'hello %s!' % name

if __name__ == '__main__':
    app.run(debug = True)
```

<http://localhost:5000/hello/Edureka>

edureka! Python Certification Training

Python Django Tutorial For Beginners

Python Flask Tutorial For Beginners | Flask Web Development Tutorial | Python Training | Edureka

edureka! 2.56M subscribers

Subscribe

2.4K

Share

Python Flask Tutorial For Beginners | Flask Web Development Tutorial | Python Training | Edureka

Flask Framework in Python Tamil | Flask Complete Tutorial..

Tutor Joels Stanley

27K views · 1 year ago

Azure Course | Microsoft Azure for Beginners | Microsoft Azur..

Intelligent

455K views · 3 years ago

Web Programming with Flask - Intro to Computer Science -

FreeCodeCamp.org

252K views · 3 years ago

Mix - edureka!

More from this channel for you

PYTHON FLASK TUTORIAL

ENTITY RELATIONSHIP DIAGRAMS (ERD) Tutorial - Part 1

Loxist Software

2.7M views · 5 years ago