

prior knowledge

Date	16 November 2022
Team ID	PNT2022TMID45545
Project name	MACHINE LEARNING BASED VEHICLE PERFORMANCE ANALAYZER

Supervised and unsupervised learning:

The image shows a YouTube video player interface. The video title is "Supervised and Unsupervised Learning In M...". The video content displays a presentation slide titled "Applications of Supervised Learning". The slide features a diagram with "Supervised Learning" at the top, branching down to "Risk Assessment" and "Image Classification". "Risk Assessment" further branches down to "Fraud Detection". A thought bubble on the left says "Areas where Supervised Learning is used". A small robot character is at the bottom left of the slide, and a "MORE VIDEOS" button is next to it. The YouTube player controls at the bottom show the video is at 5:03 / 9:40.

Supervised and Unsupervised Learning In M...

Applications of Supervised Learning

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Areas where Supervised Learning is used

Supervised Learning

Risk Assessment

Image Classification


Fraud Detection

MORE VIDEOS

5:03 / 9:40 • Applications of Supervised Learning

YouTube

Regression Classification and Clustering :

**DataCamp**
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Introduction to Machine Learning

Learning in R - Classification, Regression ...

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Regression Model

Fitting a **linear** function

Height $\approx \beta_0 + \beta_1 \times \text{Weight}$

- **Predictor:** Weight
- **Response:** Height
- **Coefficients:** β_0, β_1

MORE VIDEOS

3:33 / 6:39 • Linear Regression

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Flask :

**Python Flask Tutorial For Beginners | Flask ...**

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Info

`url_for()` function is used for dynamically building a URL for a specific function

```
from flask import Flask, redirect, url_for
app = Flask(__name__)

@app.route('/admin')
def hello_admin():
    return 'Hello Admin'

@app.route('/guest/<guest>')
def hello_guest(guest):
    return 'Hello %s as Guest' % guest

@app.route('/user/<name>')
def hello_user(name):
    if name == 'admin':
        return redirect(url_for('hello_admin'))
    else:
        return redirect(url_for('hello_guest', guest = name))

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

MORE VIDEOS

16:20 / 35:50 • Flask - URL Building

Python Certification Training

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Random Forest:

How does a Random Forest work?

Random Forest Algorithm - Random Forest ...

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TREE 1

IS DIAMETER >= 3

FALSE TRUE

IS COLOR ORANGE?

FALSE TRUE

TREE 2

IS COLOR = RED

TRUE FALSE

IS SHAPE == CIRCLE?

FALSE TRUE

TREE 3

IS DIAMETER = 1

TRUE FALSE

GROWS IN SUMMER?

FALSE TRUE

MORE VIDEOS

ORANGE CHERRY

17:00 / 45:34 • How does the Random Forest ...

CC YouTube