

Prior Knowledge

Date	28 September 2022
Team ID	PNT2022TMID23849
Project Name	Digital Naturalists AI Enabled tool for Biodiversities and Researchers
Maximum Marks	4 Marks

Supervised and unsupervised learning:




Regression Classification and Clustering :

DataCamp Machine Learning in R - Classification, Regression and Clustering Problems Introduction to Machine Learning Watch later Share

Classification Problem

Goal: predict category of new observation



0:46 / 6:40 • Classification

CC YouTube

Artificial Neural Networks:

Tutorial 1- Introduction to Neural Network and Deep Learning Watch later Share

DEEP LEARNING.

- ① ANN
- ② CNN
- ③ RNN

Neural N/w

Perceptron

Jeffrey Hinton

Back propogation

Study B.Sc in Psychology @ PES
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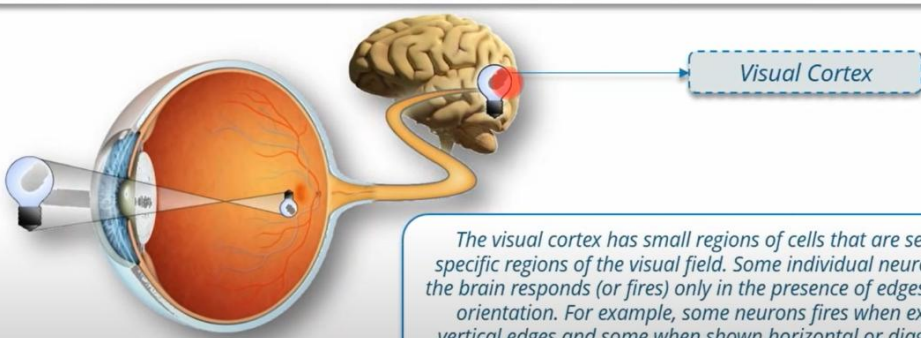
2:34 / 8:19 • Neural Network

CC YouTube

Convolution Neural Networks :

What is Convolutional Neural Network?

Convolutional Neural Network (CNN, or ConvNet) is a type of feed-forward artificial neural network in which the connectivity pattern between its neurons is inspired by the organization of the animal visual cortex.



The visual cortex has small regions of cells that are sensitive to specific regions of the visual field. Some individual neuronal cells in the brain responds (or fires) only in the presence of edges of a certain orientation. For example, some neurons fires when exposed to vertical edges and some when shown horizontal or diagonal edges

that are sensitive to specific regions of visual field so what

Convolutional Neural Network Tutorial

Flask :

Python Flask Tutorial For Beginners | Flask Web Development Tutorial | Python Tra...

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

@app.route('/blog/<int:postID>')
def show_blog(postID):
    return 'Blog Number %d' % postID

@app.route('/rev/<float:revNo>')
def revision(revNo):
    return 'Revision Number %f' % revNo

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

WARNING: Do not use the development server in a production environment.
Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)

We have watched the above videos.