

Autoencoder Code Reference

Week 11

DL Assignment 3 (10%)

Week 12

DL Assignment 4 (10%)

PPT - Week 12

Transfer Learning Reference

Transfer Learning Code Referen...

Week 13

DL Case Study 2 (10%)

PPT - Week 13

Deep Learning Summary

Related URLs

Week 14

PPT - Week 14

Week 15

DL_ComputationGraph_BPTT_S...

2024W-T3_AISC2007.01 / DL Case Study 2 (10%)

ASSIGNMENT

DL Case Study 2 (10%)

Opened: Tuesday, 19 March 2024, 2:00 AM
Due: Tuesday, 9 April 2024, 2:00 AM

For the group assignment, deploy models to identify face expressions using the given dataset.

Deploy the following models using Flask/Gunicorn etc along with Streamlit or HuggingFace

Create a short video demo-ing them and share a link to the video.

Push all the models and the training and deployment code to GitHub and share a link of a well-organized repository

Dataset can be found here [FaceExpressions.zip](#)

1. Transfer learnt model from a model trained on EfficientNet/VGG by adding additional layers
2. Build a transfer learnt model from a model trained on EfficientNet/VGG by unfreezing some existing layers
3. Build a CNN model to identify the expression given the face
4. A GAN model
5. VAE model

Submit your ipynb file run end-to-end sequentially, and convert it to HTML.

ADD SUBMISSION

Submission status

Group	Group 1
Submission status	Nothing has been submitted for this assignment
Grading status	Not graded
Time remaining	10 hours 24 mins remaining
Last modified	-
Submission comments	Comments (0)

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