

Speech Emotion Recognition



List of Resources - Weekly Wise

Important Note:

You can audit the Coursera Courses and access the videos of the courses for free, no need to complete any assignment/ lab.

Steps to join coursera course for free:

Step 1:

The screenshot shows a course page from DeepLearning.AI. At the top, there's a logo for DeepLearning.AI. Below it, the title "Structuring Machine Learning Projects" is displayed in a large, bold font. Underneath the title, it says "This course is part of [Deep Learning Specialization](#)". There's a note indicating the course is taught in English with 22 languages available, and a warning that some content may not be translated. The instructors listed are Andrew Ng and two others, with a link to "Top Instructor". A blue button at the bottom left says "Enroll for Free Starts May 26". To the right of the button, it says "Financial aid available". At the very bottom, it shows the number "460,105 already enrolled".

Click on Enroll for free.

Step 2:

This course is part of a 5-course Specialization

Structuring Machine Learning Projects is part of the Deep Learning certificate.

This Specialization includes:

- ✓ Unlimited access to all 5 courses
- ✓ Shareable certificate of completion from DeepLearning.AI
- ✓ EMI payment options
- ✓ 14 day refund period

How much time do you need to finish?

1 month 3 months 6 months

Continue

[Audit the course](#)

Click on Audit.

We guess you guys have basic understanding of Python language, anyways for learning purpose -

<https://www.coursera.org/learn/python-crash-course>

OR

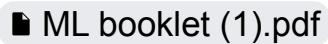
If you want to just brush up python in short time you can watch you tube tutorials like one given below:

[Python Crash Course in Hindi | 5 Python Projects | Complete Python Tutorial](#)

For basics of ML, refer the course link below
Supervised Machine Learning course from Coursera-
<https://www.coursera.org/learn/machine-learning/>

OR

You can just read the following document. It is self sufficient to understand the basic concepts in ML.



The above content is general. Not specific to our project. Our project is Deep Learning which comes under NLP.

Youtube channel -

If you're finding it difficult to understand the Coursera videos, you can refer to the link below:

https://youtube.com/playlist?list=PLKnIA16_RmvYuZauWaPIRTC54KxSNLtNn&si=5q10b95x72WmjCko

Week 1-

You can start with the basics of deep learning.

Link to the slides of the following coursera courses:

<https://drive.google.com/file/d/1cjEMMoyDgi7qv5JLm5b2kqlxr1EsL2B/view?usp=sharing>

- 1) If you are completely new to deep learning, you can start with this course.



Neural Networks and Deep Learning

<https://www.coursera.org/learn/neural-networks-deep-learning?action=enroll>

- 2) If you already know the above concepts or have completed the above course, move forward with this one.\



Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

<https://www.coursera.org/learn/deep-neural-network?specialization=deep-learning>

Week 2 -

- 1) DeepLearning.AI

Sequence Models

This course is part of Deep Learning Specialization

<https://www.coursera.org/learn/nlp-sequence-models?action=enroll>

Week 3 -

- 1) <https://www.coursera.org/specializations/natural-language-processing?specialization=deep-learning>

Complete the 4 courses given here in sequence.

[Natural Language Processing with Classification and Vector Spaces](#) Course details ▾

Course 1 • 33 hours • 4.6 ★ (4,319 ratings)

[Natural Language Processing with Probabilistic Models](#) ▼

Course 2 • 30 hours • 4.7 ★ (1,670 ratings)

[Natural Language Processing with Sequence Models](#) ▼

Course 3 • 21 hours • 4.5 ★ (1,110 ratings)

[Natural Language Processing with Attention Models](#) ▼

Course 4 • 26 hours • 4.4 ★ (987 ratings)

Youtube reference:

https://youtube.com/playlist?list=PLKnIA16_RmvZo7fp5kkIth6nRTeQQsjfX&si=lKlamSXSoqZwgXrq