

DEEP LEARNING PATH 2020

@learn.machinelearning





discuss.mlbloggers.com

A SMALL ANNOUNCEMENT FROM US

- Our discord server is up and ready to use.
- Find the link in bio/story.
- You can ask all your questions regarding anything related to AI domain.
- You can also find project/developers to work with.
- Join, learn, share and enjoy.



GET STARTED WITH BASIC PREREQUISITES AND MACHINE LEARNING



Learn python, Descriptive statistics and probability

Understand Inferential statistics and basics of machine learning

Learn basics of linear algebra and partial derivatives

In depth of machine learning and basics of Deep learning

Do Projects

GET DEEP DIVE INTO DEEP LEARNING AND DL FRAMEWORKS

Start engaging with the DS/DL communities

Learn the basics of neural networks and their working

Start learning about deep learning frameworks like Keras, TensorFlow, PyTorch etc...

Start building your GitHub profile by doing the basic projects



LEARN HOW TO IMPROVE YOUR DL MODELS AND LEARN CNN'S

Try to improve your DL models by learning the concepts like Regularization , hyper-parameter tuning, Transfer learning and Data augmentation.

Do projects by using the above techniques

Start learning about Convolutinal neural networks (CNN) and go in-depth by doing few projects



LEARN HOW TO DEBUG MODELS AND SEQUENTIAL MODELS

Start participating in
competitions

Learn debugging the DL
models by visualizing them
or any other methods

Start learning about
Sequential models (RNN,
LSTM, GRU) and do few NLP
projects





LEARN IN DEPTH OF NLP



Learn more about word embeddings and how to generate them with different models

Start writing articles

Learn about attention models and transformer models. Do few more NLP projects

LEARN UNSUPERVISED DEEP LEARNING AND GANS

Learn more about Unsupervised deep learning (Autoencoders)

Do projects using Autoencoders

Learn about generative adversarial networks and do projects on that

Learn how to deploy DL models





GET STARTED WITH OUR 100 DAYS OF DDL CODE