Twitter Thread by Pratham Prasoon



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These are the tools you will need for machine learning in Python.

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Anaconda

When you work in python, you'll be working with several frameworks and many of them work only on specific versions of python.

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Now imagine downloading a new version of python and then installing it for every framework you want to work with ■.

Meet Anaconda which allows you to run several versions of python. It comes pre-installed with several data science and machine learning frameworks.

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Pip-env is also a way of maintaining several versions of Python and comes pre installed with Python.
You can use pip env or Anaconda, whichever works for you.

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Jupyter Notebooks

Jupyter notebooks is an IDE just like VS code or Sublime. The special thing about jupyter is that you can parts of code in mini code editors called cells. This is great for prototyping and testing code.

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Google Collab

Collab is a jupyter notebook running on google's servers which gives you access to GPUs and TPUs for training machine

learning models faster for free, yes free.

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Kaggle

I like to call Kaggle the codepen for machine learning and data science.This is the place where you show off you machine learning skills. You have access to datasets for which you can make machine learning models and compete with other people around the world.

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TensorFlow

TensorFlow is a framework for machine learning,it has variants like TensorFlow.js for machine learning in the browser, TensorFlow lite for machine learning on mobile phones, and the standard TensorFlow library.

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PyTorch

PyTorch is an open-source machine learning library based on the Torch library,used for applications such as computer vision and natural language processing. It is very similar to TensorFlow in the things you can do in it with differences in the syntax.

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Matplotlib

Matplotlib is a library for plotting data into pie charts, bar charts, and whatever kinds of graphs you can imagine.

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NumPy

Numpy replaces the lists in Python with its lists, but why? Aren't the default lists good enough? The thing is that NumPy lists are much faster than Python lists, hence the wide usage of NumPy.

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SciKit Learn

SciKit learn is a machine learning library that features various classification, regression, and clustering algorithms including support vector machines. These are complex computations you may need in training your machine learning model.

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This thread took over 3 hours to make, your support by following me if you like this content will be highly appreciated! ■■

Stay tuned for more threads, good luck in your machine learning journey.

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