
Following is a schedule to learn data science step by step considering **4 hours** of dedicated, focused study every single day. This program is perfect for beginners with no knowledge of data science and programming.

Week 1 and 2: Excel and Statistics

* Excel

- Google templates gallery for personal finance etc :

https://docs.google.com/spreadsheets/u/0/?ftv=1

- Budget planner: https://www.vertex42.com/ExcelTemplates/budgets.html
- Chandoo's youtube channel:

https://www.youtube.com/channel/UC8uU wruBMHeeRma49dtZKA

- Chandoo's website: https://chandoo.org/

* Statistics

- Khan academy: https://www.khanacademy.org/math/statistics-probability
- Khan academy youtube:

https://www.youtube.com/playlist?list=PL1328115D3D8A2566

- Statistics by Marin : https://www.youtube.com/playlist?list=PLqzoL9-eJTNBZDG8jaNuhap1C9q6VHyVa
 - Statquest youtube channel: https://www.youtube.com/user/joshstarmer

Week 3 and 4: Python

* Python

- Codebasics python tutorials (first 16) -

https://www.youtube.com/playlist?list=PLeo1K3hjS3uv5U-Lmlnucd7gqF-3ehIh0

- Codebasics python HINDI tutorials (first 16)-

https://www.youtube.com/playlist?list=PLPbgcxheSpE1DJKfdko58 AIZRITOTjpO

- Make sure to work on exercises

* R

- Marin's lectures: https://www.youtube.com/playlist?list=PLqzoL9-eJTNBIVXxWvJkq0dtVut2sICUW

Week 5, 6, 7, 8: Numpy, Pandas, Data Visualization Libraries

- * NumPy and Pandas
 - Codebasics Numpy playlist:

https://www.youtube.com/playlist?list=PLeo1K3hjS3uset9zIVzJWqplaWBiacTEU

- Codebasics pandas playlist (first 9):

https://www.youtube.com/playlist?list=PLeo1K3hjS3uuASpe-1LjfG5f14Bnozjwy

* Visualization library

- Matplotlib: codebasics matplotlib playlist:

https://www.youtube.com/playlist?list=PLeo1K3hjS3uu4Lr8 kro2AgaO6CFYgKOl

- Seaborn: codebasics seaborn tutorials:

https://www.youtube.com/playlist?list=PLJIOr9Je9wzHT-ptgfelpt2Nyx4VGX_j9

- * Kaggle exploratory data analysis
 - Notebooks: https://www.kaggle.com/notebooks
 - Datasets: https://www.kaggle.com/datasets

Week 9, 10, 11, 12: Machine Learning

- * Machine learning
 - codebasics ml playlist (first 16):

https://www.youtube.com/playlist?list=PLeo1K3hjS3uvCeTYTeyfe0-rN5r8zn9rw

- data science regression project: same playlist as above. Tutorial 18 to 25
- HINDI codebasics ml playlist (first 14):

https://www.youtube.com/playlist?list=PLPbgcxheSpE0aBsefANDYe2X -tyJbBMr

Week 13, 14, 15, 16: Deep Learning

- * Deep learning (artificial neural network, convolutional neural network, recurrent neural network)
- codebasics deep learning playlist:

https://www.youtube.com/playlist?list=PLeo1K3hjS3uu7CxAacxVndI4bE o3BDtO

Week 17, 18, 19, 20: SQL & MongoDB

* SQL

- kudavenkat playlist (first 16):

https://www.youtube.com/playlist?list=PL08903FB7ACA1C2FB

- khanacademy SQL course: https://www.khanacademy.org/computing/computer-programming/sql
- * MongoDB
- https://www.coursera.org/learn/introduction-mongodb

Week 21, 22, 23, 24: BI tools

- * Tableau
- Codebasics sales insights project:

https://www.youtube.com/playlist?list=PLeo1K3hjS3usDI9XeUgjNZs6VnE0meBrL

- HINDI codebasics sales insights project:

https://www.youtube.com/playlist?list=PLPbgcxheSpE2B7YFfOualUTIRhgnQR7Kn

- Abhishek Agarwal:

https://www.youtube.com/playlist?list=PL6 D9USWkG1C4raCOTITf oq4XnNNNtm9

- Bharti consultancy:

https://www.youtube.com/playlist?list=PLyD1XCIRA3gQmN73dHwQWr4R08ABZFMtZ

- * Power BI (project)
- codebasics sales insights project:

https://www.youtube.com/playlist?list=PLeo1K3hjS3uva8pk1Fl3iK9kCOKQdz1l9

- personal finance management project:

https://www.youtube.com/watch?v=pqSoCa2NGj4

Soft skills

- * Learn anything effectively: https://www.youtube.com/watch?v=yZFrSDjRvjk
- * Group learning
 - Codebasics discord server: https://discord.gg/r42Kbuk
 - Hold each other accountable

Books and other resources

- * Free book on statistics: http://greenteapress.com/thinkstats/thinkstats.pdf
- * Another good book on statistics (not free) Naked Statistics Charles Wheelan