Data Analyst theory roadmap

Skill	Best Indian Channel
Data Analytics overview	**Codebasics (Dhaval Patel)**
Excel (Basic → Advanced)	**Excel with ExcellsFun Hindi / Codebasics**
Python for Data Analysis	**Codebasics**, **CampusX**
SQL	**Codebasics**, **WsCube Tech**
Statistics	**CampusX**, **Codebasics**
Power BI	**Codebasics** (India's best)
Tableau	**Great Learning Hindi**
Git & GitHub	**Apna College**, **CodeWithHarry**
AI tools for analysts	**Codebasics**, **CampusX**

🟩 PHASE 1 — FOUNDATION (Month 1)

Day	Topic	YouTube Video (Hindi)	Task
Day 1	What is Data Analytics	**Codebasics – "What is Data Analytics?"**	Write 1-page notes
Day 2	Types of Analytics	**Codebasics – Types of Data Analytics**	Notes + diagram
Day 3	Data Analyst Career	**Codebasics – Data Analyst Roadmap (India)**	GitHub README
Day 4	Tools overview	**Codebasics – Tools for Data Analyst**	List tools
Day 5	Revision	—	Revise + commit

📌 Topic 2: Basic Excel for Data Analytics (Week 2–3)

Day	Topic	YouTube Video
Day 1	Excel Basics	**Codebasics – Excel Full Course (Hindi)**
Day 2	Sorting & Filtering	Same playlist
Day 3	IF, COUNTIF, SUMIF	Same playlist

Day	Topic	YouTube Video
Day 4	VLOOKUP/XLOOKUP	Same playlist
Day 5	Pivot Tables	Same playlist
Day 6	Charts & Dashboard	Same playlist
Day 7	Mini Project	Create Excel dashboard

📌**Activity:**

Upload Excel file + screenshots → GitHub

📌 Topic 10: Statistics for Data Analytics (Week 4)

Day	Topic	YouTube Video
Day 1	Mean, Median, Mode	**CampusX – Statistics for Data Science (Hindi)**
Day 2	Variance, Std Dev	Same playlist
Day 3	Correlation	Same playlist
Day 4	Normal Distribution	Same playlist
Day 5	Revision	Handwritten notes

🟦 PHASE 2 — CORE SKILLS (Month 2)

📌 Topic 3: Python for Data Analytics (Week 5–6)

Day	Topic	YouTube Video
Day 1	Python Basics	**Codebasics – Python for Data Analysis (Hindi)**
Day 2	Lists, Dicts	Same playlist
Day 3	NumPy	Same playlist
Day 4	Pandas Basics	Same playlist
Day 5	Pandas Operations	Same playlist
Day 6	Practice	Kaggle Notebook
Day 7	Revision	GitHub commit

📌 Topic 4: SQL for Data Analytics (Week 7–8)

Day	Topic	YouTube Video
Day 1	SQL Basics	**Codebasics – SQL for Data Analysts (Hindi)**
Day 2	WHERE, ORDER BY	Same playlist
Day 3	GROUP BY	Same playlist
Day 4	JOINS	Same playlist
Day 5	Subqueries	Same playlist
Day 6	Practice	Write queries
Day 7	Mini Project	SQL case study

🟨 PHASE 3 — ADVANCED (Month 3)

📌 Topic 5: Advanced Python (EDA) (Week 9–10)

Topic	YouTube
Data Cleaning	**Codebasics – Pandas EDA Hindi**
Visualization	**CampusX – Matplotlib/Seaborn**
EDA Project	Kaggle dataset

📌**Outcome:**

1 full EDA project → GitHub + Kaggle

📌 Topic 7: Advanced Excel (Week 11)

Topic	YouTube
Power Query	**Codebasics – Advanced Excel Hindi**
Dashboards	Same playlist

🟧 PHASE 4 — VISUALIZATION (Month 4)

📌 Topic 11: Power BI (Week 12–13)

Topic	YouTube
Power BI Basics → Advanced	**Codebasics – Power BI Full Course (Hindi)**

📌 **Project:** Sales dashboard

📌 **Topic 12: Tableau (Week 14)**

Topic	YouTube
Tableau Basics	**Great Learning – Tableau Hindi**

🟥 PHASE 5 — TOOLING & EDGE (Month 5)

📌 Topic 6: AI Tools for Data Analysts

Topic	YouTube
ChatGPT for SQL/Excel	**Codebasics – AI for Analysts**
Auto EDA	**CampusX – AI Tools**

📌 Topic 8: Git & GitHub

Topic	YouTube
Git Basics	**Apna College – Git & GitHub Hindi**

📌 Topic 9: Web Dev for Analysts

Topic	YouTube
Streamlit	**Codebasics – Streamlit Hindi**

📝 NOTES STRATEGY (VERY IMPORTANT)

Subject	Notes?
Analytics theory	✅ Yes
Statistics	✅ Yes
Excel	Optional
Python	❌ Code only
SQL	❌ Queries only
BI tools	❌ Screenshots

🔥 DAILY GITHUB GREEN STRATEGY

Every day commit **one of these**:

- README update

- Notebook cell

- SQL query

- Screenshot

- Notes PDF

Even **5 minutes = green day**.

CHECKLIST

☐ YOU HAVE DONE THE KAGGLE PROJECTS AND GIT MAINTAINANCE

☐ YOU ARE READY TO BECOME DATA ANALYST BY YOUR THEORY AND PROJECTS