30-Day Kaggle → GitHub Data Analyst Plan

🔰 WEEK 1 — Foundations & First Notebook (Days 1–7)

Day 1 — Setup & Orientation

- Create / polish Kaggle profile
- Create GitHub repos:
  - eda-sales-analysis
  - eda-customer-analysis
  - eda-public-dataset
- Install locally (optional):
  - Python
  - Jupyter Notebook
- Read 2 top Kaggle EDA notebooks (observe structure, not code)

Day 2 — Dataset Selection

- Choose ONE dataset from Kaggle:
  - Sales dataset
  - Customer churn dataset
  - Retail / e-commerce dataset
- 👉 Criteria:
  - CSV format
  - 5k–200k rows
  - Clear business meaning

Day 3 — Data Understanding & Cleaning

- In Kaggle Notebook:

    - Load dataset
    - Check:
        - .info()
        - .describe()
        - Missing values
    - Handle:
        - Nulls
        - Duplicates
        - Data types
- 📌 Add Markdown explaining why you clean things.

Day 4 — Exploratory Data Analysis (EDA)

- Univariate analysis
- Bivariate analysis
- GroupBy analysis
- Basic correlations
- 📊 Use:
    - Bar charts
    - Histograms
    - Boxplots

Day 5 — Insights & Storytelling

- Identify 3–5 meaningful insights
- Write them clearly in Markdown
- Avoid obvious statements
- Bad ❌: “Sales are high in Region A”
- Good ✅: “Region A contributes 35% of revenue despite having fewer customers, indicating higher average

order value.”

Day 6 — Polish & Publish Notebook

- Add:
  - Title
  - Introduction
  - Conclusion
- Publish notebook on Kaggle
- Download .ipynb

Day 7 — GitHub Project #1

- Upload notebook to GitHub repo
- Write clean README
- Add project link to:
  - GitHub profile
  - Kaggle profile
- 🎉 Project 1 complete

🧩 WEEK 2 — SQL + Second EDA (Days 8–14)

Day 8 — SQL Fundamentals

- Practice on:
  - HackerRank (SQL)
- Focus on:
  - SELECT
  - WHERE
  - GROUP BY
  - HAVING
  - JOIN

Day 9 — Intermediate SQL

- Practice:
  - Subqueries
  - Window functions (ROW_NUMBER, RANK)
  - CASE WHEN
- 📌 Save queries in a .sql file

Day 10 — Second Dataset Selection

- Choose:
  - Customer churn
  - Subscription data
  - Banking dataset
- Think in terms of:
  - “What decision can this data help make?”

Day 11 — EDA Notebook #2

- Repeat process:
  - Data cleaning
  - EDA
  - Visualizations
  - Insights
- This time:
  - Focus on customer behavior

Day 12 — Business Insights

- Write insights like:
  - Who churns more?
  - What patterns lead to churn?
  - What actions can reduce churn?

Day 13 — Publish & Push

- Publish notebook on Kaggle
- Push to GitHub
- Write README

Day 14 — Review & Improve

- Improve charts
- Simplify explanations
- Remove unnecessary code
- 🎉 Project 2 complete

🚀 WEEK 3 — Advanced EDA & Visualization (Days 15–21)

Day 15 — Visualization Skills

- Learn:
  - Better Seaborn plots
  - Color choices
  - Chart labels

Day 16 — Third Dataset (Public / Social)

- Choose:
  - Traffic accidents
  - Health data
  - Climate data
  - Public policy dataset

Day 17 — Deep EDA

- Time-based analysis
- Trends
- Seasonal patterns

Day 18 — Insight Quality Upgrade

- Ask:
  - Why is this happening?
  - What could be done?
- Think like an analyst, not a student.

Day 19 — Publish Notebook #3

- Best notebook so far
- Cleanest storytelling

Day 20 — GitHub Project #3

- Upload notebook
- Write README
- Add images if useful

Day 21 — Portfolio Linking

- Update GitHub profile README
- Add:
  - Project links
  - Kaggle profile link
- 🎉 Project 3 complete

🎯 WEEK 4 — Strengthening & Visibility (Days 22–30)

Day 22 — Kaggle Profile Optimization

- Add bio
- Add links
- Pin best notebooks

Day 23 — GitHub Cleanup

- Rename repos cleanly

- Improve READMEs
- Add .gitignore

Day 24 — Resume Alignment

- Update resume:
  - Add projects
  - Add Kaggle profile
  - Add SQL skills

Day 25 — Interview-Style Practice

- Practice explaining:
  - Your datasets
  - Your insights
  - Your decisions

Day 26 — Peer Review

- Share notebook link
- Ask:
  - Is insight clear?
  - Is story logical?

Day 27 — Improve Weak Areas

- Refine worst project
- Improve plots & explanations

Day 28 — Optional 4th Mini Project

- Small dataset
- Quick analysis
- Optional

Day 29 — Final Polish

- Grammar check

- Formatting
- Consistency

Day 30 — Showcase Day 🎉

- Share GitHub profile
- Apply for internships
- Confidently say:
  - “I have hands-on experience with real datasets.”

🧠 Final Advice (Important)

- Don’t rush.
- Don’t copy notebooks.
- Don’t focus on quantity.
- 3 excellent projects > 10 average ones.