

25 ChatGPT Prompts to Replace Hours of Work as a Data Analyst

💬 “I don’t know how to start this analysis.”

Analyst Uttam • 4 min read • 2025-07-21

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By the time you finish reading this blog, you’ll wonder how you ever survived without these.

That was me, sitting in front of a blank Jupyter Notebook, cursor blinking... again.

I had the business question.

I had the dataset.

But the path between them felt fuzzy.

That’s when I thought:

“What if I just asked ChatGPT to help me think like a senior analyst?”

And *that* changed everything.

Photo by Priscilla Du Preez Ø^{Yeo} on Unsplash

🚀 The Rise of AI-Assisted Analysis

Everyone’s talking about how AI will replace jobs.

But what they *should* be talking about is how AI can replace **busywork**.

If you're a Data Analyst or Data Scientist today, your job is more than SQL and charts.

It's about speed, clarity, storytelling, and **asking the right questions**.

And with the right **ChatGPT prompts**, you can shortcut your way into the mindset of a senior analyst - instantly.

So I made something special for you.

Introducing: 25 ChatGPT Prompts to Guide You Through the Entire Data Analysis Lifecycle

I created a hand-curated list of 25 prompts - not generic copy-paste lines, but **real-world battle-tested prompts** that I use in my own projects.

Each one walks with you - from problem understanding to communication.

And no, they're not "write me a SQL query" level.

They're smarter.

They think with you.

Let me walk you through what they cover...

Phase 1: Problem Framing

Prompt: *"Help me refine this vague problem: 'Sales are dropping.' Ask clarifying questions to make it solvable with data."*

 Why it helps: It gets you out of fuzzy land and into **measurable problems**.

Phase 2: Exploration

Prompt: *"Suggest an EDA checklist for a dataset with user behavior logs."*

 Why it helps: You won't miss edge cases, outliers, or segments that tell hidden stories.

Phase 3: Cleaning

Prompt: *"Based on this schema, write SQL to clean nulls, fix bad dates, and standardize entries."*

 Why it helps: Saves you hours - and headaches - when dealing with real-world messy data.

Phase 4: KPI Engineering

Prompt: *"Suggest 10 useful KPIs for a retail dashboard using sales and customer data."*

 Why it helps: You stop just building dashboards and start delivering insights.

Phase 5: Feature Engineering

Prompt: *"Create features for a churn prediction model - mix behavioral and temporal ones."*

 Why it helps: Gets you from mediocre ML to stakeholder-worthy models.

Phase 6: Storytelling

Prompt: "Help me explain: 'Retention dropped 18% after removing onboarding emails' - in 3 slides."

-  Why it helps: Turns data into decisions, not just dashboards.

Phase 7: Communication & Decisions

Prompt: "Summarize: 'Users with 5+ logins in Week 1 churn 3x less' in plain English."

-  Why it helps: Execs don't need SQL. They need clarity.

These Prompts Are Your Brain's Copilot

Each one of these was designed for real-world workflows.

Not classroom toy data.

Not textbook prompts.

They help you:

-  Ask sharper business questions
-  Think like a stakeholder
-  Present like a decision-maker
-  Ship work faster

Want All 25 Prompts in One Clean Download?

I turned them into a [beautifully organized PDF](#) with:

-  Exact prompts
-  Examples
-  Why it helps
-  What to do next

Perfect for junior analysts, job-seekers, or even experienced professionals who want a **thinking partner**.

Why This Isn't Just Another Prompt List

You've seen prompt guides before.

But most of them feel like...

"Tell me a joke."

"Write a SQL query."

That's not how real analysts work.

This guide is different.

-  It mirrors the **real data life cycle**

-  It's written by someone who's been in dashboards, DAX, messy Excel hell

 It's designed to help you **think, not just automate**

You Can Grab It on Gumroad

Top 25 ChatGPT Prompts for Data Analysts

A complete prompt guide for the entire data analysis workflow.

One PDF.

One download.

Lifelong value.

 **Buy it once. Use it forever. Become faster than most of your team.**

A Final Word

AI isn't here to steal your job.

It's here to remove the roadblocks.

You still need business logic.

You still need storytelling.

You still need curiosity.

But now... you've got a thinking partner who never sleeps.

And if you're tired of Googling how to frame a metric, define a cohort, or explain your dashboard - this is for you.

 **P.S.** Over 5,000 readers follow my blog for practical data + AI workflows.

I also launched the viral "**Top 50 SQL Interview Questions**" PDF that helped 2,000+ data professionals.

 If you found value here, consider grabbing this new guide.

It might just save you 10+ hours every month.

Other mentions by Author

• [medium.com | Published in AI & Analytics Diaries](#)

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