ChatGPT Data Analysis Prompt List (100+ Prompts included)

Categories

Analyzing Datasets Prompts	Task Description	Prompts
	Load and preview the data	Can you load and preview the data?
	Describe the data	Can you describe the data?
	Explain this dataset in one paragraph	Can you explain this dataset in one paragraph?
	Explain this dataset in simple terms	Can you explain this dataset in simple terms?
	Explain this dataset like I'm 5 years old	Can you explain this dataset like I'm 5 years old?
	Identify the main takeaway	What's the main takeaway from this dataset?
	Describe the rows and columns	What are the rows and columns in this dataset?
	Provide insights	What insights do you see here? Give me a numbered list."
	Create a graph	Can you create a graph using this data?
	Create a chart	Can you create a chart using this data?
	Create a heatmap	Can you create a heatmap using this data?
	Identify trends	What are the trends shown in this data?
	Top 10 points	Can you list the top 10 key points?
	Turn into Article	Can you write me an article based on this dataset?
	Quick recap	Can you write a one sentence recap of this data?
	Clean Data	Can you clean this dataset?
	Segment Data	Can you segment this data and create a table?
	Create a presentation	Can you create a presentation based this dataset?
	Create 10 visuals	Can you create 10 visuals to represent different data?
	Word Cloud	Can you create a visual word cloud?
	Beautify the graphs	Can you make the graphs more beautiful?
	Visual Chart	Create a visual chart, based on this data.
	trends in a visual format	Show me the top trends in a visual format
	Key Lessons	What is the key lesson from this dataset?

Analyzing Financial Data	Task Description	Prompts
	Load and preview the data	Can you load and preview the data?
	Describe the data	Can you describe the data?
	Plot the closing price	Can you plot the closing price?
	Find the date with the highest closing price	What's the date with the highest closing price?
	Calculate the percentage change	Can you calculate the daily percentage change
	Calculate moving averages	Can you calculate a 7-day moving average?
	Create a candlestick chart	Can you create a candlestick chart?
	Find the largest single day gain and loss	What's the largest single day gain and loss?
	Analyze volume	Can you analyze the volume?
	Check for seasonality	Can you check for seasonality?
	Compare price with volume	Can you compare the closing price with volume?
	Calculate volatility	Can you calculate the price volatility?
	Decompose the time series	Can you decompose the closing price time series?
	Test for stationarity	Can you test for stationarity using the Augmented Dickey-Fuller test?
	Autocorrelation and partial autocorrelation plots	Can you show the autocorrelation and partial autocorrelation plots?
	Implement a time series model	Can you implement an ARIMA model to predict future prices?
	Plot Bollinger Bands	Can you plot Bollinger Bands?
	Find important dates	Can you identify dates of significant changes in volume or price?
	Plot a histogram of the daily returns	Can you plot a histogram of daily returns?
	Rolling window operations	Can you perform a rolling sum over a 7-day window?
	Price Increase	What's the duration of the fastest price increase from low to high?
	Price Decrease	What's the duration of the fastest price decrease from high to low?

Image editing & alteration	Task Description	Prompts
	Main colors	Identify the main colors and objects in the image.
	Change brightness/contrast	Change the image with filters, brightness/contrast adjustments.
	Resize Image	Resize the image to a specified pixel dimension while keeping its shape the same.
	Read Metadata	Look at the image's metadata like when it was created or last changed.
	Aspect Radio Data	Figure out the image's aspect ratio.
	Compare Images	Compare this image with another one for similarities or differences.
	Change Color Scheme	Change the image's color scheme from RGB to grayscale.
	Break down the image	Break the image down into its separate parts or objects.

	Find Edges	Use edge detection to find the boundaries in the image.
	Examine Texture	Examine the image's texture for use in image processing tasks.
	Resize Image	Resize the image to specific dimensions (insert pixels here).
	Crop for vertical	Crop this image to a vertical format of 1080x1920.
	Crop for square	Crop this image to a square format of 1080x1080.
	Crop without distortion	Crop the image without distorting its aspect ratio.
	Convert to black and white	Convert this image to black and white.
	Enhance Resolution	Enhance the image quality using sharpening techniques.
	Apply filters	Apply artistic effects to the image (such as oil painting effect).
	Add text	Overlay text onto the image.
	Rorate or Flip	Flip or rotate the image.
	Watermark	Apply a watermark to the image for copyright protection.
	Transform into color palette	Transforms this photos into a color palette and export a PNG
Converting files types	**Task Description**	**Prompts**
	Convert to MP3	Change this Song to MP3
	Convert to SRT	Convert this text to SRT file (subtitles)
	WAV to MP3	Convert this WAV file to MP3
	PNG to JPEG	Convert PNG to JPEG
	MP4 to GIF	Covert this MP4 into a GIF
Analyzing Code	**Task Description**	**Prompts**
	Explain it	Can you explain this code
	Key Purpose	What's the key purpose for this code?
	Suggest improvements	can you review the code and suggest improvements
	Extract Functions	Extract all the function definitions from the code.
	List Modules	Find and list all the imported modules in the code.
	Fun Functions	Run specific functions or methods in the code (if applicable).
	Find Errors	Analyze the code for potential errors or inefficiencies.
	Modify	Modify the code (e.g., implement a new function, adjust existing logic).
	Explain specific sections	Explain what specific sections or lines of code are doing.
	Test it	Test the code with different input parameters.
	Create Flowchart	Create a flowchart or diagram to visualize the code execution.
	Explain any class	Identify and explain any classes and their methods in the code.
	Check against guidelines	Check if the code follows PEP8 style guidelines.
	Find potential Errors	Find the lines of code that are most likely to throw exceptions.

	Find security issues	Identify any potential security issues in the code.
	Identify dependencies	Identify the dependencies of this script.
	Give time estimate	Provide an estimate of how long the script will run with certain inputs.
	Suggest improvements	Suggest ways to optimize or refactor the code for better performance or readability.
	Create a test	Create a unit test for a specific function or method.
	Identify main algorithm	Identify the main algorithm(s) used in the code and explain how they work.
	Explain structure	Explain any complex data structures used in the code.
	Identify any potential multithreading	Identify any potential multithreading or multiprocessing opportunities.

Additional Resource:

Download Data sets:
https://www.kaggle.com/datasets

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