ChatGPT for a Productive Life

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Basic Prompts (Easy Level)

1. "Display the number of rows and columns in my dataset."
2. "Show all column names in my dataset."
3. "Check the data type of each column in my dataset."
4. "Convert the column **[Column_Name]** to a specific data type (e.g., integer, float, string)."
5. "Rename the column **[Old_Column_Name]** to **[New_Column_Name]**."
6. "Drop the column **[Column_Name]** from the dataset."
7. "Find unique values in the column **[Column_Name]**."
8. "Replace missing values in **[Column_Name]** with the mean/median/mode."
9. "Convert date/time column **[Column_Name]** to a proper datetime format."
10. "Find the top 5 largest values in the column **[Column_Name]**."

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Intermediate Prompts (Moderate Level)

1. "Count the frequency of each unique value in **[Column_Name]**."
2. "Extract year, month, and day from a date column **[Column_Name]**."
3. "Find the correlation coefficient between **[Column_1]** and **[Column_2]**."
4. "Filter the dataset for rows where **[Column_Name]** is between **[Min_Value]** and **[Max_Value]**."
5. "Detect and replace outliers in **[Column_Name]** using the IQR method."
6. "Create a scatter plot between **[Column_1]** and **[Column_2]**."
7. "Convert categorical values in **[Column_Name]** to numerical labels."
8. "Group by **[Category_Column]** and count the number of occurrences."
9. "Create a box plot for **[Column_Name]** to visualize outliers."
10. "Check for highly correlated features and drop redundant ones."

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Advanced Prompts (Difficult Level)

1. "Impute missing values using regression-based techniques."
2. "Normalize or standardize **[Column_Name]** using Min-Max scaling or Z-score normalization."
3. "Perform feature selection to identify the most important columns for analysis."
4. "Use pivot tables to summarize the dataset by **[Category_Column]**."
5. "Create a heatmap to visualize correlations between numeric features."
6. "Train a simple linear regression model to predict **[Target_Column]** based on **[Feature_Column]**."
7. "Use logarithmic or square root transformation to normalize skewed data."
8. "Cluster similar data points using K-Means clustering on **[Feature_Columns]**."
9. "Perform sentiment analysis if the dataset contains text-based reviews or comments."
10. "Detect anomalies in numerical data using the Isolation Forest method."

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Expert Prompts (Professional Level)

1. "Train and evaluate a Random Forest model for classification using **[Feature_Columns]** to predict **[Target_Column]**."
2. "Perform time series decomposition on **[Column_Name]** to extract trend and seasonality."
3. "Use cross-validation to tune hyperparameters for a machine learning model."
4. "Build and evaluate a deep learning model using TensorFlow or PyTorch for predictions."
5. "Use LSTM (Long Short-Term Memory) models to forecast future values in a time-series dataset."

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