## Module 1 Cheatsheet: Data Science and Generative AI

## Popular GenAI tools

Name of model	Usage	Link
	A simple tool useful for data analysis and model building operations	https://www.datarobot.com/.
Mostly.AI	Synthetic data generation	https://mostly.ai/
ChatGPT	GPT based model used for text and code generation based on natural language queries	https://openai.com/chatgpt
DB Sensei	Generate SQL queries for databases using natural language queries	https://dheensei.com/

## Important prompts for data preparati

Task	Prompt
	Writes 3-P yolion code that case perform the following takes:  Sead the CWIRE, boarded one agreement who following takes:  Sead the CWIRE, boarded one agreement part in the Parkent state Dreams, assuming that the first rows of the file are the beaders for the data.
Data clusting identify and replace missing values per the following guidelines.  1. You replace the missing entries in columns centaning categories of a value with the most frequent entries.  2. Was replace the missing entries in columns with continuous data with the mean value of the column.  3. If a value is missing in the target column, you may need to drop that row	Write a Pylono to preferre the following states: Lettering the arthrosis with mining values 2 desprease, the following the arthrosis with mining values 2 desprease, the does arthrosis into consequently and continuous valued attributes. 3 desprease with the value is mining in the totaget variable. 4 fifthe value is mining in a consequently attributes, replace the mining values with the most frequent value in the column. 5 fifth value is mining in a continuous value arthrosis, replace the mining values with the most frequent value in the column.
Data Normalization: Normalize an attribute to its maximum value.	Write a Python code to normalize the content under a given attribute in a data frame df to its maximum value. Make changes to the original data, and do not create a new attribute.
Converting categorical variable into indicator variables	Write a Pylom one's repetition the following tasks.  Locurest data frame affines into indicative validate, used as dft, with the naming convention 'Name, 'unique value of the attributes'.  2. Append of into the original data frame off.  Alto update artificative from the data frame off.

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