

Meta Language Pattern

Instructor

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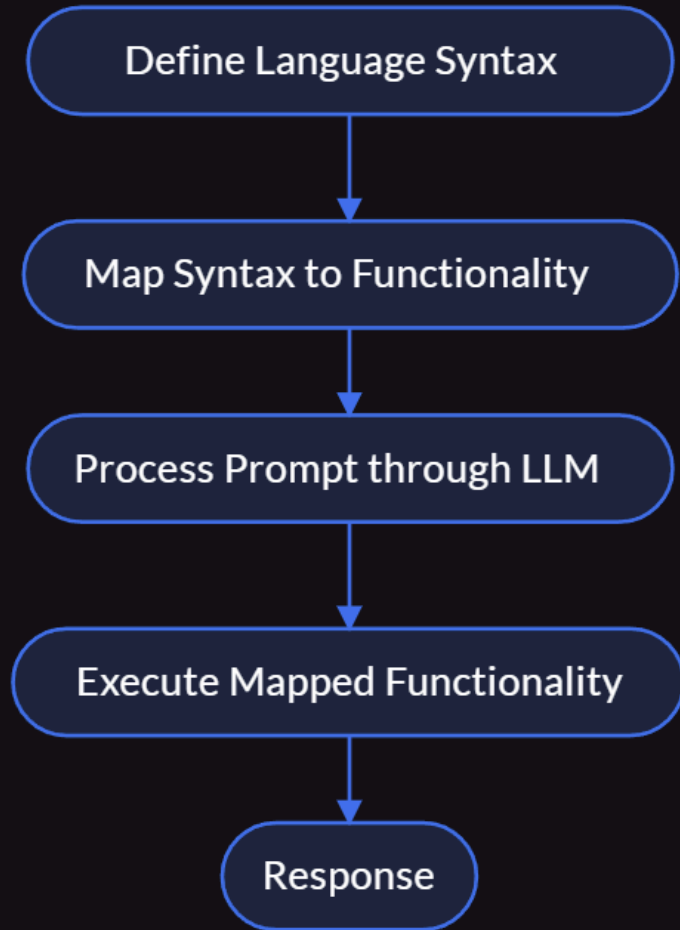
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Meta Language Pattern



- To use the Meta Language pattern, your prompt should make the following fundamental contextual statements:
 - When I say X, I mean Y (or would like you to do Y)
- You will need to replace "X" with an appropriate statement, symbol, word, pattern, etc.
- You will then need to connect this pattern to a meaning, depiction, sequence of steps, action, etc. Y.

Meta Language Pattern

Example

- **User:**

When I say "variations(<something>)", I mean give me ten different variations of <something>

- **ChatGPT:**

Certainly! Please provide the specific "<something>" you'd like variations for, and I'll give you ten different variations of it.

- **User:**

variations(a marketing slogan for a Generative AI company selling prompting services)

- **ChatGPT:**

Slogan 1

Slogan 2

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Meta Language Creation Pattern - Examples



Act as a project manager for a data science team in a tech company. We will be using a special notation now to indicate the flow of a data science project. I will provide you that notation, your task is to give a detailed plan for each step in the project as identified by the notation. Let's take an example:

Project Name: Churn Analytics for a Telecom Company

Dataset: Database with over 20000 customers data, has features including contract, payment method, paperless billing, monthly charges, total charges, gender, age range and of course churn (yes \ no)

Project Flow: Business_Understanding,3 -> Data_Understanding,5 -> Data_Cleaning,7 -> Data_Exploration,5 -> Data_Visualization,5 -> Machine_Learning,7 -> Results_Evaluation,2 -> Business_Presentation,2

This indicates the project name, details about the dataset and the project flow is in the form Step1,Days1 -> Step2,Days2 and so on where Step1 indicates what step in the data science project is going to be performed and Days1 indicates the days allocated for that project.

You should list down a detailed set of tasks which can be done in each of these steps based on the number of days provided. Like

Step 1: Business Understanding (3 days)

Day 1: <list of activities to do>

Step 2: Data Understanding (2 days)

Day 1: <list of activities to do>

Day 2: <list of activities to do>



Sure, let's break down the project "Churn Analytics for a Telecom Company" according to the provided notation. Here's a detailed plan for each step:

Step 1: Business Understanding (3 days)

Day 1:

1. Kick-off meeting with stakeholders to understand project objectives.
2. Identify key business questions related to churn.
3. Define success criteria and project scope.
4. Review existing documentation on telecom industry trends and customer churn.

Day 2:

5. Conduct interviews or surveys with domain experts to gather insights.

1. Create a list of relevant KPIs and metrics for measuring churn.
2. Identify potential business impacts of reducing churn.
3. Document the business understanding findings and goals.

Day 3:

9. Validate the project scope with stakeholders.

1. Prepare a high-level project plan and timeline.
2. Identify potential risks and challenges.
3. Finalize the business understanding phase with a stakeholder presentation.


Step 2: Data Understanding (5 days)

Day 1:


1. Collect and load the telecom customer dataset.
2. Initial data inspection to check for data integrity and completeness.
3. Explore the data dictionary and understand the meaning of each variable.

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Meta Language Creation Pattern - Examples



Project Name: Generative AI Q&A Chatbot
Dataset: Database with over 25 PDFs of company data
Project Flow: Business_Understanding,2 -> Data_Understanding,3 -> Data_Preprocessing,3
-> Create_Document_Embeddings,2 -> Build_LLM_Chatbot,5 -> Test_Chatbot,3 ->
Show_Demo,1



Certainly! Let's break down the project "Generative AI Q&A Chatbot" according to the provided notation. Here's a detailed plan for each step:

Step 1: Business Understanding (2 days)

Day 1:


1. Kick-off meeting with stakeholders to understand the objectives and goals of the chatbot project.
2. Identify the key business questions and use cases for the chatbot.
3. Define success criteria and the scope of the chatbot's capabilities.
4. Review existing documentation and resources related to the company data.

Day 2:

5. Conduct interviews with domain experts to gather insights on common questions and topics.
1. Determine the target audience for the chatbot and their needs.
2. Create a list of relevant KPIs and metrics to measure the chatbot's performance.
3. Document the business understanding findings and goals.

Step 2: Data Understanding (3 days)

Day 1:

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Thank You
