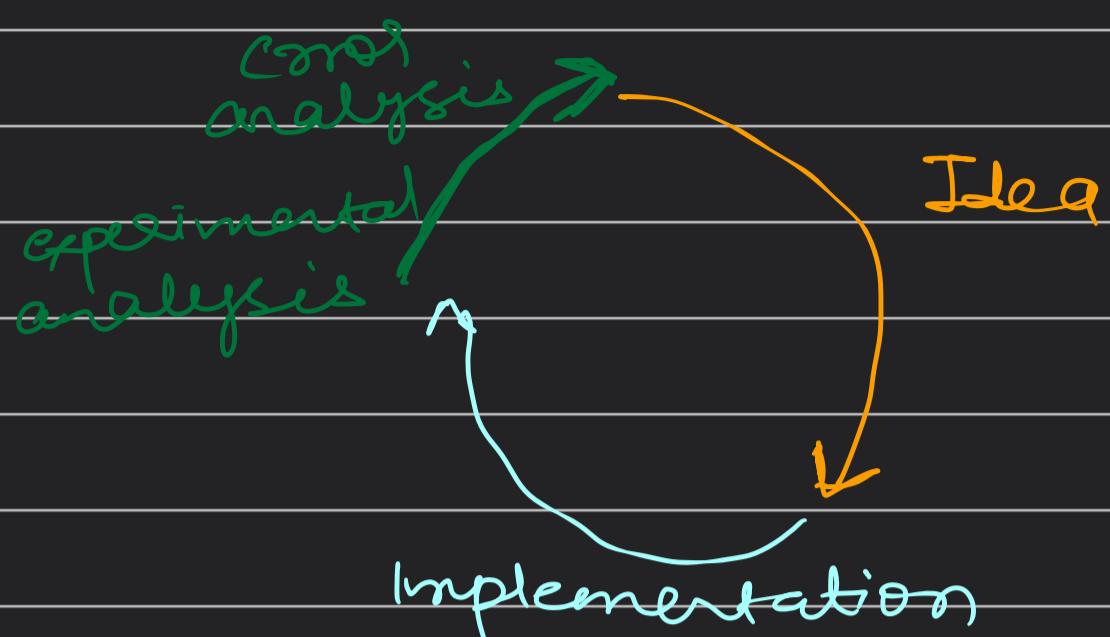


# Iterative Prompt Development



- Be clear and specific in your first attempt
- Analyze why result are not giving desired output.
- Refine Idea & prompt
- Repeat

Rather than having a perfect prompt, you should have process of developing good prompt for your specific application

For example after an output the length can be controlled using restricting number of "characters", word, sentences.

use upto 3 sentences

use atleast 50 words

use under 280 characters.

So what we do ?

for an iterative manner we use our previously discussed tactics or

best practices to come with a good output.

A good example for Iterative approach modification of prompt based upon issues we encounter while generating output.

Issue 1 : Text too long

⇒ Limit number of words or characters

Issue 2 : Text focus on wrong details

⇒ Ask to focus on relevant info that is intended to particular audience  
This also helps reduce hallucinations

Issue 3 : Output needs organization

Ask to extract info and organize based upon a structure.

Iterative Process :

- Try something
- Analyze where result does not give what you want
- Clarify instruction and give it more time to think.
- Refine prompt with a batch of examples.

## SUMMARIZATION

Some key points for summarizing

- Summarize with word / sentence / character limit
- Summarize with focus on particular info or specific topics  
for ex  $\Rightarrow$  Shipping and delivery, price and value
- Use "extract" instead of summarize
- Utilize multiple summarization using an array and for-loop.

## INFERRING :

Inferring as task where model takes some test input and perform some kind of analysis -

Text extraction

↳ extracting labels, names

↳ extracting sentiment (+ve, -ve)

In traditional ML we would have to build a separate model for every give task above of inferring.

few things and the way can be inferred will based completely on the prompt

# ① sentiment (tve / -ve)

prompt  $\Rightarrow$  "what is the sentiment of following review, delimited by triple backticks ?

Give your answer in single word either "positive" or "negative".

## ② Identifying emotions

prompt  $\Rightarrow$  "Identify list all atleast 5 emotions that prevalent in the text. The text is delimited by triple backticks".

## ③ Identifying particular emotion say Anger

## ④ Identifying particular "product" or "item"

## ⑤ Doing all the above task in single prompt and return result in JSON

## ⑥ Inferring topics

ex prompt  $\Rightarrow$  "Identify 5 topics that are being discussed in the following text, which delimited by 3 backticks.

make each item one or two words long  
Format your response with a Python list separated by commas.

Text Sample : " " " " " " " "

Also we can provide few example in our prompt so that easy for LLM to generate output.

Everything or every prompt above is zero - shot learning we didn't give it training data (an example)

