Adaptive prompt generation module

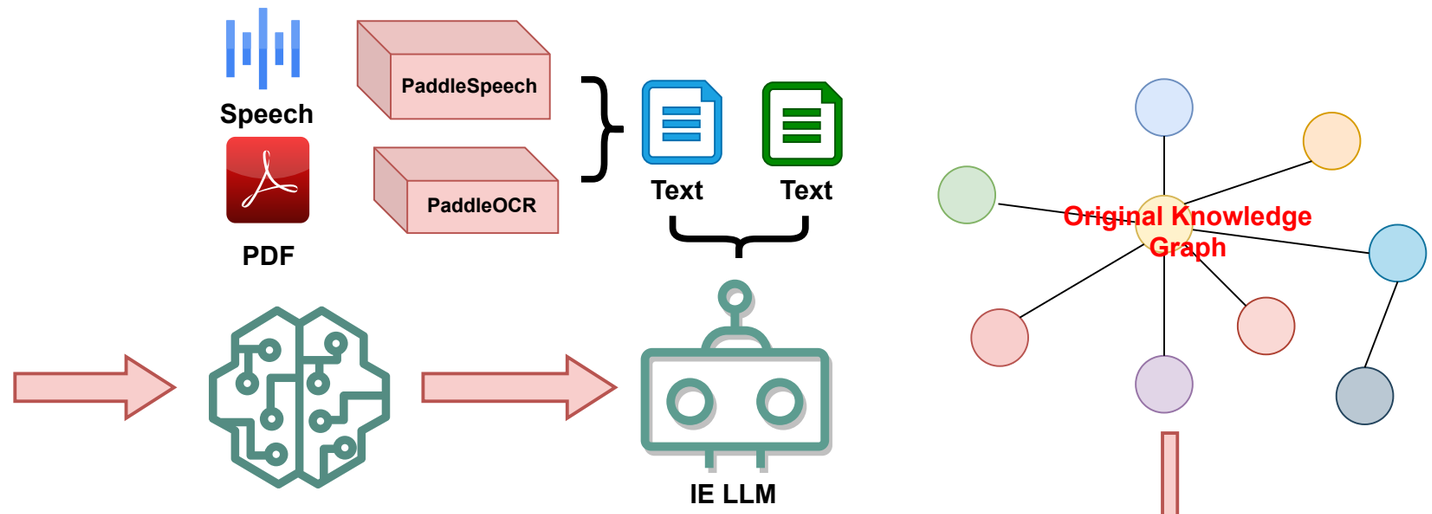
A : IE Stage

The task involves transforming the provided text into a knowledge graph, represented as a list of triples. Follow the Rules.
###Rule
a. The triples must be in the form of [Head_entity, Relationship, Tail_entity].
b. In your answer, please strictly only include the triples
c. Do not include any explanation
d. refer to examples.###

Here are some examples:
{few_shot_examples}

Orginal Prompt
IE Task & Few-shot

Please extract triplets from the following text.
Text: {input_text}

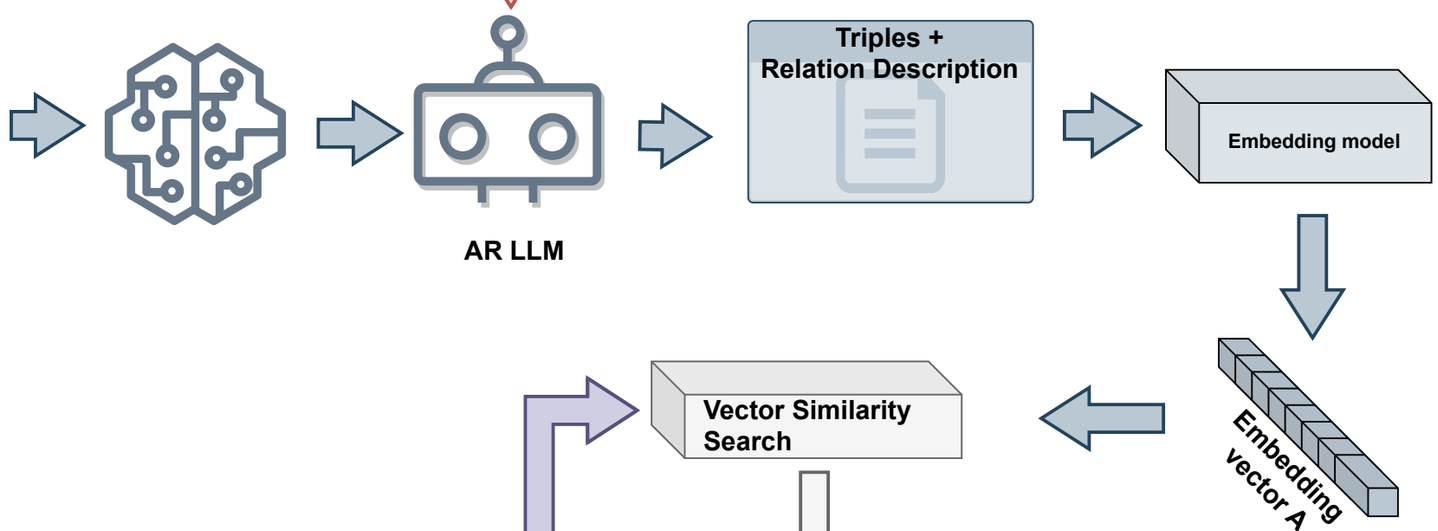


B : AR Stage

You get a piece of text, and a list of triples in the format [Head_entity, Relationship, Tail_entity] extracted from the text. For relations, the task is to write a detailed semantic description that clarifies the semantic information and context of the triple. Follow the Rules.
###Rule
a. In your answer, please strictly only include the triples and relation description
b. The relational semantic information generated by multiple triples cannot be repeated.
c.The generated relations and their descriptions must conform to the contex information.
###

Orginal Prompt
ToN Task & Few-shot

Please generate relational semantic descriptions based on triples.
Text: {input_text},Triples: {triples}, Relations: {relations}



C : KGN Stage

The task is to normalize the relations in the triples extracted from the same text into the relations that conform to the schema by using the given text data as the context.
###Rule:
a. A triple is removed if its relation does not approximately match the relation of the schema layer.
b. If the relation of the triple approximately matches the relation of the schema layer, the relation of the triple is replaced by the relation of the schema layer
b. the format of output is : {Head_entity,Relation,Tail_entity}
###
Please modify the relations in the triples according to the semantic information of the relations in the schema layer.

Orginal Prompt
KGN Task & Few-shot

Text: {input_text}, Triples: {Head_entity,Relation,Tail_entity},shema{relation,relational information}