

(d) News Article Relevance Rating

Please consider the following forecasting question and its background information. After that, I will give you a news article and ask you to rate its relevance with respect to the forecasting question.

Question: Q

Question Background: B

Article: {article}

Please rate the relevance of the article to the question, at the scale of 1-6

1 – completely irrelevant

2 – slightly relevant

3 – somewhat relevant

4 – relevant

5 – highly relevant

6 – completely relevant directly reveals the answer

Guidelines:

- scale 1-5 don't reveal the answer, only scale 6 reveals the answer.

- If the article has events of similar types which may have happened on different subjects, it also considers relevant to the question to some degree.

- You don't need to access any external sources. Just consider the information provided.

- If the text content is an error message about JavaScript, paywall, cookies or other technical issues, output a score of 1.

Your response should look like the following, don't generate other words in the response:

Rating:

(e) Probability $P(Y = \hat{Y} | X_i = 1, \mathbf{X}_{N_i} = \mathbf{x}_{N_i})$

Given some event: {events}

Most important event: {current event}

Instructions: Based on the information, especially the most important event, compute the probability that the answer for the following question is yes. Question: Q

The mentioned named entities are real in life, no need to check that. You compute the probability based on your world knowledge about the mentioned named entities and the internal logic in the situation. Output your answer (a probability number between 0 and 1).

(f) Probability $P(\mathbf{X}_{N_i} = \mathbf{x}_{N_i})$

Given a situation describing some events: {events}

Instructions: Reason the probability of the situation. The mentioned named entities are real in life, no need to check that. You compute the probability based on your world knowledge about the mentioned named entities and the internal logic in the situation. Output your answer (a probability number between 0 and 1).

(g) Naive RAG

Your task is to answer the prediction question. The question asks about whether a future event would happen or not. Output a probability between 0 and 1 representing the likelihood of the event happening. Output the probability in the following format:

<Probability>...</Probability>

Use the provided articles as context to inform your prediction. The articles are provided below.

Question: Q

Background: B

Create date of the question: D

Context Articles: {retrieved articles}

(h) Agentic RAG

You are a prophet agent who can answer a query based on the data and the background information. Use the tools below to help you answer the question.

Your task is to answer the prediction question. The question asks about whether a future event would happen or not. Output a probability between 0 and 1 representing the likelihood of the event happening. Output the probability in the following format:

<Probability>...</Probability>

Question: Q

Background: B

Create date of the question: D