

A Online Appendix

Prompts used to adapt COLA [33] for news believability detection:

Linguist agent: *"You are a linguist trained to analyze written language. Accurately and concisely explain the linguistic elements in the following text, including: grammatical structure, tense and inflection, figurative or virtual speech, rhetorical devices, lexical choices, and how these elements affect meaning. Only provide linguistic analysis. Do not summarize the content or give irrelevant commentary. {News}"*

Domain expert agent: *"You are a political scientist trained to analyze political content in text. Accurately and concisely explain the key elements in the following quote, such as characters, events, political parties, organizations, and religious or ideological references. Also, explain their relevance or relationship to politics (if any). Do nothing else. {News}"*

Social-media practitioner agent: *"You are a heavy social media user trained to analyze social content. Analyze the following article, focusing on the content, hashtags, Internet slang and colloquialisms, emotional tone, and implied meaning. Do nothing else. {News}"*

Debating agent: *" News: {news}. Linguistic analysis: {Linguistic_Response} ". Domain Expert analysis: {Domain_expert_response}. Social-media practitioner analysis: {Social_media_user_response}. Based on the content provided, do you think the news statement is more aligned with the belief that it is ****{target}****? Identify the top three pieces of evidence from the above sources that justify your conclusion, and explain why they support or undermine the believability of the news.*

Final believability judgment agent: *Determine whether the following news statement is believable or not believable. {News}. Judge this in relation to the following arguments: Arguments that the statement is believable: {believe_response}. Arguments that the statement is not believable: {disbelieve_response}. Choose from: A: Believable B: Not Believable. Constraint: Answer with only the option above that is most accurate and nothing else.*

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