

Table 7: Zero-shot CoT results.

Dataset		with unclear class			without unclear class		
		Acc-1	Acc-2	Acc-3	F1.	Acc.	F1.
CHINESE RUMOR	(w/o)	0.671	0.537	0.675	0.658	0.606	0.585
	(w/)	0.772	0.581	0.763	0.760	0.710	0.696
LIAR	(w/o)	0.689	0.535	0.675	0.668	0.608	0.583
	(w/)	0.640	0.592	0.636	0.619	0.635	0.603
WEIBO21	(w/o)	0.715	0.572	0.710	0.702	0.636	0.617
	(w/)	0.849	0.619	0.833	0.841	0.745	0.735
COVID-19		0.776	0.674	0.753	0.752	0.736	0.719
FAKE NEWS NET		0.667	0.575	0.655	0.625	0.585	0.546
KAGGLE		0.674	0.558	0.605	0.568	0.588	0.508
CELEBRITY		0.827	0.719	0.808	0.816	0.775	0.768
FAKE NEWS AMT		0.817	0.783	0.811	0.808	0.775	0.763
TWITTER15&16		0.648	0.582	0.634	0.582	0.630	0.595

ratio in 9 out of 12 datasets when considering the entire sample set.

H Explanations and mapping options

We show some cases of explanations and their mapping options in Table 11.

Fake News Investigation

Welcome to participate in the fake news investigation. Please fill in the following information truthfully. Providing genuine answers will help with our research. The questions are randomly selected, so they may all be true or all be false news! The investigation does not care about the accuracy of your answers, but rather the truthfulness of your responses. After completing the survey, you will be eligible to participate in the prize draw.

1. Your gender (Please enter with confidence, we will not disclose your privacy.)

- A. Male
- B. Female

2. Are you a student or employed? (Please enter with confidence, we will not disclose your privacy.)

- A. Student
- B. Employed personnel

3. What's your age? (Please enter with confidence, we will not disclose your privacy.)

- A. Under 18
- B. 18-25
- C. 26-30
- D. 31-45
- E. Over 45

4. Please ensure that you fill in the information below truthfully. Avoid referring to others' suggestions or consulting relevant materials during the process. Your answers should be based on your natural intuition. The following questions include examples of both true and false news, so please respond as required. (This question is for malicious detection.)

- A. Yes, I promise I can do it.
- B. No, I can't.

5. Please determine whether the following news is fake news and choose the reason.

[News Example]

- A. Real news.
- B. Fake news that contradicts common sense.
- C. Fake news with emotional bias or misleading intent.
- D. Fake news with suspicion of exaggerating facts.
- E. Fake news lacking evidence or credible sources.
- F. Fake news lacking relevant context.
- G. Fake news for other reasons: ____.

The problem templates for 6 ~ 9 are the same as that in 5, with only the news samples being replaced.

10. Please make sure that you have filled in the above information truthfully and that there is no interference from external factors. Please leave your contact information for the lucky draw.

Figure 10: The translated template of questionnaire in human evaluation

Table 8: Multiple prompt (topic prompt)

User	If one day, New York was hit by a large-scale terrorist attack, how would the news report?
ChatGPT	<p>If one day New York were to suffer from a large-scale terrorist attack, the news media would likely report the following:</p> <ol style="list-style-type: none"> 1. Location and time of the incident: the report would involve the location and time of the event to provide necessary context and background information. 2. Casualty figures: the news media would provide real-time updates on the number of casualties to the public. 3. Investigation progress: the report would also involve the progress of the investigation, including the actions of the suspects and investigative agencies involved. 4. Reaction of relevant government officials: the report would also involve the response and emergency measures taken by relevant government officials in response to the incident. 5. Testimonies of witnesses and victims: the news media may interview witnesses and victims to provide more detailed reports. 6. Analysis and commentary: the report may also include analysis and commentary on the incident and its impact on the local and national level. <p>In summary, the news media would provide detailed coverage as much as possible to ensure that the public is informed of the developing situation and the subsequent impact.</p>

Table 9: Multiple prompts (deep prompt)

User	Can you simulate the news?
ChatGPT	<p>I can provide a simulated news report for reference, as follows:</p> <p>New York City hit by a massive terrorist attack, dozens dead</p> <p>New York City, March 14, 2023 - A massive terrorist attack hit New York City this morning, leaving dozens dead and hundreds injured.</p> <p>The attack happened around 9 a.m. with multiple explosions and targeting some of the city's key buildings and landmarks. Preliminary investigations by the police suggest that the attack may have been carried out by a terrorist organization. No terrorist organization has claimed responsibility for the attack yet and the investigation is ongoing. The government has placed the entire city under lockdown and deployed a large number of police and military personnel to ensure public safety. The Mayor has issued an emergency statement condemning the attack and expressing condolences to the families of all those who lost their lives or were injured. The Mayor also stated that the city government will take all necessary measures to protect its citizens and the city. Several eyewitnesses at the scene described the situation during the attack. Some of the injured and their families were also interviewed, sharing their experiences and feelings. This attack has had a severe impact on New York City, with transportation and commercial activities throughout the city affected. The public is generally shocked and saddened, and the government has called for calm and cooperation with the police investigation. The impact and consequences of this attack are still unfolding, and we will continue to provide real-time updates.</p>