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"Sycophancy" or "Empathy"? DeepReflect – An LLM-based system designed to analyze and generate responses to personal queries

Anonymous ACL submission

Abstract

Large language models (LLMs) are increasingly used for personal queries, recent research has involved analyzing responses under psychosocial framing. This work introduces Deep-Reflect, a comparative framework for analyzing human and AI generated responses to personal queries across multiple paradigms of values and social behavior. Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque

1 Introduction

Large language models (LLMs) are increasingly engaged as conversational partners in personal domains, offering users not only informational guidance but also affective support (Zhang et al., 2025; Phang et al., 2025; Anthropic, 2025). Their appeal lies in features such as anonymity, immediacy, and the absence of social risk—qualities shared with online communities like Reddit. Yet, unlike human interlocutors, LLMs lack grounding in lived social contexts, raising critical questions about how their responses should be evaluated and trusted in a social context.

Emerging research often identifies two contrasting tendencies in LLM outputs in isolation: empathic responses resembling desirable and supportive therapeutic dialogue, and sycophantic ones that uncritically echo a user's perspective. Whether such responses are judged as empathic or sycophantic can depend on the psychosocial framework applied. This ambiguity underscores a critical gap:

systematic methods are needed to analyze the responses and compare them to human written ones. This project uses the latter as proxies for normative ground truths, providing a measurement of these behaviors and values across the different psychosocial paradigms.

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The comparisons made are across Rogerian person-centered therapy (PCT), Goffman's theory of face (ToF), and Rokeach's Value Survey (RVS) framework. The framework is designed to be extensible, allowing researchers to incorporate additional paradigms as the field evolves. Additionally, we use the insights from these analyses to inform the generation of customized responses with chain-of-thought control mechanisms.

1.1 Research Questions

The context of queries can substantially shape LLM outputs, influencing not only personal questions posed by consumers but also analytical evaluations conducted by researchers, particularly within the LLM-as-a-judge paradigm. As research increasingly highlights patterns and concerns regarding the impacts of LLMs in personal queries and deliberation, there is a critical need for a framework that can analyze and compare responses across multiple value-based perspectives in contexts without clear normative answers, while also remaining extensible for researchers to incorporate additional paradigms as the field evolves. This motivates the following research questions:

RQ1: How can a technical framework that systematically analyzes and compares responses from humans and LLMs across various psychosocial value paradigms be designed?

RQ2: What inter- and intra-paradigm comparative insights can this framework yield across four different psychosocial frameworks and how accurate are these? **RQ2a:** To what extent can identical features be annotated with divergent connotations

across paradigms—empathic under Rogerian PCT versus sycophantic under Goffman's ToF?

RQ3: How do LLM-generated responses compare to human-authored responses in the context of personal questions without definitive normative answers?

Finally, we examine how the results may come to influence consumer behavior and broader societal outcomes. We explore a potential control mechanism with Chain of Thought (CoT) reasoning. Our work enables a systematic comparative analysis of potential benefits and risks, and presents a framework for analysis which can be used by researchers and consumers for leveraging the insights in the intentional design of response LLM generation.

1.2 Contributions

The key contributions of this work are: (1) the design and implementation of an extensible framework for analyzing and comparing responses to personal queries across three distinct psychosocial paradigms; (2) a comparative analysis under Rogerian Person-Centered Therapy (PCT), Goffman's theory of face and Rokeach's Value Survey (RVS) framework, illustrating how the choice of the paradigm can shape the perception of a response; and (3) insights into the relative strengths and weaknesses of LLM versus human responses, and how these insights can inform the generation of customized responses to personal queries.

2 Prior Literature

Contextualize your work and provide insights into major relevant themes of the literature as a whole. Use each paper (or theme) as a chance to articulate what is special about your paper. Start out broadsocial background and theory - Discuss what other frameworks were considered like Virtue ethics and philosophical ones, CBT, Schwartz values etc. but why they were not chosen. Why I Focused on Rogerian psychotherapy as it is person centered no specific diagnosis needed (or available).

2.1 Theoretical Foundations

2.2 Rogerian Psychotherapy

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2.2.1 Psychosocial use and Empathic LLMs

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2.3 Rokeach Value Survey as an analytical instrument

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2.3.1 Values and Ethics in LLM research

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2.4 Goffman's theory of face

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2.4.1 Social Sycophancy in LLMs

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2.5 Gaps in the Literature and Open Challenges

In sum, as LLM-chatbots have become increasingly human-like and more users seek companionship with them, studies have highlighted both the advantages and disadvantages of their use. While some have raised concerns around "emotional dependence" (Fang et al., 2025), several others have explored empathic perceptions of LLM responses and found them advantageous not only in the field of medical support and mental health but also in everyday personal queries (Lee et al., 2024; Sorin et al., 2024). However, different psychosocial paradigms tend to frame LLM responses in markedly divergent terms. What may be perceived as 'empathy' under a psychotherapeutic paradigm could instead be critiqued as an instance of 'social sycophancy' by frameworks informed by Goffman's Theory of Face (Cheng et al., 2025). Importantly, in the absence of clear normative answers, the same statement may be categorised as 'face-preserving behaviour' or 'unconditional positive regard'.

DeepReflect provides a comparative framework to address this gap by assessing how evaluative judgments are shaped by the psychosocial paradigm through which a response is framed. Moreover, it is designed to be extensible by researchers, enabling the incorporation of both conventional paradigms, such as Rokeach's values framework, and contemporary discovery-based approaches, such as Anthropic's Values in the Wild (Huang et al., 2024), whereas prior work has tended to focus on a single paradigm in isolation.

Finally, our investigation of controlling generations avoids replicating prior work that seeks to mitigate sycophancy exclusively (Cheng et al., 2025). Instead of treating sycophancy as a defect to be eliminated in isolation, DeepReflect provides a system to situate response generation within extensible psychosocial frameworks. This ensures that outputs are not merely reactive to user prompts but can be guided by well-established instruments for values and personal-growth.

In practice, this involves chain-of-thought reasoning (Wei et al., 2022) that explicitly incorporates the chosen framework. Unlike approaches that mimic deliberation across hypothetical per-

spectives (Vijjini et al., 2024), this control strategy extends the contractualist, rule-based tradition of questioning developed in (Jin et al., 2022). Its key distinction lies in embedding the questioning within expert-informed guidelines. While these prior investigations emphasized plurality of viewpoints and normative exception-handling, this work foregrounds the role of pre-existing psychosocial instruments in shaping the ongoing, ever-changing conversations of personal reflection.

3 Dataset

Two datasets were constructed for this project using the Pushshift Reddit Archives (Baumgartner et al., 2020), originally collected between 2006 and 2023 through the Pushshift API¹. Posts and comments were extracted from two subreddits: (1) r/AITAH and (2) r/Anxiety. For each post, three components were considered: the body the original post written by the author (OP), the most upvoted human-written comment (denoted hc1 in Figure 1), and the comment with which the OP engaged the most (hc2). Additional detail regarding data filtering and text preprocessing is provided in Section 5. Because the dataset predates the public release of GPT-3.5 in November 2022—and given that large language models (LLMs) only entered widespread public use after early 2023 (Liang et al., 2025)—all posts and comments in our data can reasonably be considered human-authored.

3.1 Subreddit Selection

The r/Anxiety subreddit is a community dedicated to individuals experiencing anxiety and related mental health challenges. Membership does not require a formal diagnosis or medical documentation, which enables broad analyses from psychosocial perspectives. Posts often center on personal struggles, coping strategies and the impact on daily life.

The r/AITAH subreddit (short for "Am I The Asshole") is a community where users seek judgment on personal dilemmas and social interactions. It has over three million members and covers a wide range of topics, including relationships, family dynamics, workplace conflicts, and personal questions. Users typically describe their situations in detail and ask the community to determine whether they were in the wrong (the "asshole") or not. The

crowd-sourced social judgments captured in these posts makes r/AITAH a valuable source for examining behaviors and values expressed in digital discussions of personal matters. The crowdsourced verdicts serve as a **proxy for the ground-truth** judgment of the scenario by humans. This is especially valuable for comparing human responses to the situation against the language model responses under the Goffman's ToF and Rogerian PCT paradigms which serve as signals for "Sycophantic" and "Empathic" behaviors respecitively.

We construct a balanced dataset of 1000 posts evenly split between the two most common verdicts: "You're The Asshole" (YTA) and "Not The Asshole" (NTA) directly from the Pushshift Reddit Archives.

Demographic information at the subreddit level is not available. However, research indicates that Reddit users overall are predominantly American (49.9%), male (67%), and young (22% aged 18–29 years; 14% aged 30–49 years) (Barthel et al., 2016; Statista, 2025). While this dataset is not representative of the general population, it reflects a demographic more likely to engage with LLMs for personal queries. This demographic is broadly aligned with the WEIRD (Western, Educated, Industrialized, Rich, Democratic) population, and it must therefore be acknowledged that the results of this study are necessarily constrained to this population.

4 DeepReflect

4.1 System Design

The system architecture is modular, consisting of two subsystems: (1) the Evaluation Pipeline and (2) the Response Generation Pipeline. A high-level overview is presented in Figure 1.

Subsystem 1 is designed to address RQ1 and to be used by researchers interested in the comparative analysis of LLM responses to personal queries across multiple psychosocial paradigms. Four psychosocial paradigms have been implemented in this work. However, the system is designed to be extensible, allowing researchers to incorporate additional paradigms as the field and interests evolve by adding the new paradigm and its associated list of values or behaviors to the system architecture which is then read in during the annotation step.

Subsystem 2 is designed to generate responses to personal queries through a custom-designed chainof-thought (CoT) reasoning mechanism and can

¹https://github.com/pushshift/api

be used by both researchers for analyses (see Section 5) and by consumers for response generation.

Table 1: Values associated with the Rogerian PCT and Goffman ToF paradigms, with the latter aligned to (Cheng et al., 2025) to ensure comparability are given below. The full list of values for all four paradigms is available in the Appendix B.

Paradigm	Values List	
Rogerian PCT	, Emotional Safety, Ac-	
(Empathy)	tive Listening, Unconditional Positive Regard, Non- judgmental Acceptance	
Goffman ToF (Sycophancy)	Emotional Validation, Moral Endorsement, In- direct Language, Indirect Action, Accepting Framing	

4.1.1 Evaluation Framework

The evaluation framework consists of the following steps in a pipeline architecture (see Figure 1):

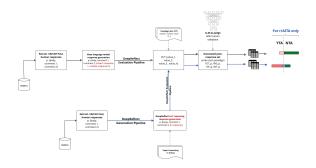


Figure 1: Pipeline architecture for DeepReflect.

- 1. **Post and Comment extraction**: The top 1000 posts for two subreddits: (1) r/AITAH and (2) r/Anxiety are extracted from the Reddit Archives dataset. For each post, three components are considered: i. the body the original post written by the author (OP), ii. the most upvoted human-written comment, and iii. the comment with which the OP engaged the most. Additional detail regarding the top post filtering and text preprocessing are provided in Section 5.
- 2. Basic Language Model Response Generation: For each post and body, a baseline response is generated using an API call to the LLM. This response is appended to a dataframe (p in Figure 1) containing: (i) The

original post title and body (ii) the top mostupvoted human comment, and (iii) the comment the OP engaged the most with (available for 50% of the posts). The resulting dataset therefore consists of the original post body, paired with two sources of responses to personal queries - human-written and AI responses.

- 3. Importing Paradigms and the Associated Values: The following psychosocial paradigms are implemented in this work: (1) RVS, (2) Rogerian PCT, (3) Goffman's ToF, and (4) Anthropic's Value Tree (AVT). Each paradigm is associated with a unique list of values or behaviors as described in Section 2. The selected paradigms and their associated lists of values are read into the system for annotations in the next step.
- 4. Feature Extraction and Annotation: For each post and set of responses, features are extracted and annotated at the sentence level. The annotations are made by GPT-40 with the LLM-as-a-judge (Zheng et al., 2023) procedure for the 4 psychosocial paradigms. So, if a sentence exhibits a value or behavior, it is annotated as 1, otherwise it is annotated as 0 for each value under the paradigm. For example, features demonstrating "unconditional positive regard," a value within Rogerian PCT, are annotated as 1 for that value; all others are annotated as 0.

For the annotation step, human validation is performed with one expert annotater familiar with the research problem. The human annotater annotates on 100 post-response pairs. This validation along with LLM annotations are used to calculate Cohen's Kappa and accuracy metrics in order to gauge the reliability of the annotations.

$$\kappa = \frac{p_o - p_e}{1 - p_e},$$

 $p_o = \text{observed agreement (accuracy)}$

 $p_e =$ expected agreement by chance

See section 5 for validation metrics.

5. **Save dataframe to file**: The resulting annotated data, along with the post and correspondingset of responses are saved to a file.

6. **Statistical Analysis**: The annotated dataframe serves as the foundation for subsequent analyses (see Section 7), including (i) comparing value distributions in Reddit versus language model responses across the four paradigms, (ii) conducting topical analyses, and (iii) addressing RQs 2 and 3 1.1 with inter-paradigm correlations.

Note that the standard softmax distribution over a vocabulary of size V for transformer based LLMs with a temperature parameter T>0 that rescales the logits before normalization is:

$$p_i^{(T)} = \frac{e^{z_i/T}}{\sum_{j=1}^{V} e^{z_j/T}}.$$
 (1)

Lower T (T < 1) sharpens the distribution, making the model more deterministic, while higher T (T > 1) flattens it, encouraging diversity in the generated responses. For response generations, T is first set to 0 which corresponds to greedy decoding, ensuring fully reproducible results for research and then to T=1.0 to see how responses vary with more stochasticity under more realistic consumer usage conditions.

4.1.2 DeepReflect Generation Pipeline

In this subsystem, responses to the post are generated through a custom-designed chain-of-thought (CoT) reasoning mechanism. Instead of relying on standard language model outputs, the framework generates responses that are explicitly guided by reasoning chains derived from **expert human** reasoning in dialog and transcripts. The expert human transcripts are retrieved from existing literature within Carl Roger's PCT paradigm (Rogers, 1989) in this instance. See figure 2 for details.

Chain-of-Thought Reasoning

The CoT generation process is formalized as follows:

$$p_{\theta}(y \mid x) = \sum_{z} p_{\theta}(y \mid x, z) p_{\theta}(z \mid x)$$

where x is the Reddit-based personal query (i.e. a post body), z is the reasoning chain derived from expert human dialog, y is the response generated by DeepReflect and θ denotes the parameters of the base language model. Here, $p_{\theta}(z \mid x)$ denotes the probability distribution over reasoning chains given the query, while $p_{\theta}(y \mid x, z)$ denotes the

probability of generating a response conditioned on both the query and reasoning trajectory.

Conditioning on *z* separates reasoning from surface realization, allowing responses to be shaped by expert-informed CoT patterns rather than unconstrained next-token prediction.

Thus patterns inherent in the dialog are into the response space. See Figure 2.

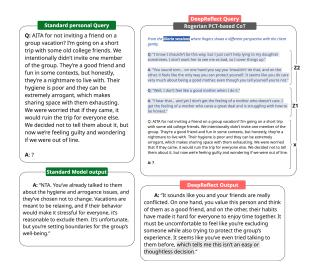


Figure 2: CoT Generation with personal queries embedded in reasoning dialogs retrieved from expert human transcripts. In this case, the dialogs are from Carl Roger's sessions with Gloria (patient) (Rogers, 1989). This dialog was selected because it reflects an implicit "NTA" judgment: Gloria expresses guilt about lying to her daughter, and Rogers facilitates exploration of these feelings by gently challenging her self-judgment..

Generated outputs can either be passed through the Evaluation Pipeline for analysis or returned directly in response to a consumer query. In the former case, we evaluate whether PCT-informed CoT reasoning alters verdict distributions (e.g., NTA → YTA or No judgment) and whether such shifts reflect statistically significant divergences in values or principles compared to base LLM responses.

As in the previous section, for evaluation purposes, T is set to both 0 and 1.0 for the CoT generations as well (see Equation 1).

5 Methods

5.1 Data preprocessing

A dataset was built from the RedditArchives for two public subreddits—AITAH, and Anxiety. For each subreddit, the top 1,000 most upvoted posts were selected, excluding weekly megathreads, deleted/removed items, and AutoModerator entries. We also removed exact and near-duplicate

texts (specifically, crossposts, copypastes and bot repeats) to prevent inflated counts and biased comparisons.

For every retained post we extracted (i) the most upvoted comment and (ii) the comment that the OP engaged with most; all artifacts were saved to standardized CSVs for downstream analysis.

Text was cleaned with minimal, semantics-preserving preprocessing: we removed non-English items, de-identified obvious personal identifiers (usernames, emails, links to personal sites), standardized whitespace and Unicode characters, and lightly constrained length (posts 50–500 words; comments 5–300 words) for comparability.

We treat each set of post and human-authored responses in a Reddit thread as a single analytical unit during stratified sampling. and each feature within the set (the post body and its responses) as a single analytical unit during manual checks, and statistical aggregation.

5.2 Procedures

For each selected post, we prompt the target language model firstly, with the base prompt² to establish a **baseline open-ended response** to the body of the post. This response is appended to a table containing: (i) the model-generated response, (ii) the top upvoted human comment, and (iii) the most engaged human comment (available for approximately half of the posts). The resulting dataframe consists of the original post body, paired with two types of responses to personal queries - human and AI responses.

Feature Extraction

- In steps 3 and 4 of the Evaluation Framework (Figure 4.1.1), features³ are annotated at the sentence level within each body–response pair. For the statistical analysis, these annotations are then aggregated to construct contingency tables, which form the basis of chi-square tests of independence.
- Note that each feature can be annotated with:
 - Values exhibited by the author.
 - Values incentivized by the author of the response. While incentivized values are

reported for completeness, the analyses focus on exhibited values, as these provide direct evidence in the text and reduce ambiguity from overlapping interpretations.

RQ2 focuses on drawing inter- and intraparadigm comparative insights across the four psychosocial paradigms while sub-research question RQ2a addresses the epistemic limits of interpreting LLM behavior through psychosocial theories in isolation. Specifically, the same feature may be perceived as 'sycophantic' under Goffman's ToF, 'empathic' under Rogerian PCT.

To support these inquiries, the file saved by the evaluation pipeline in step 5 consists of: the annotated features of the original post, annotated features within the set of the 2 different types of responses (human response, language models) for values exhibited or incentivized under the relevant four psychosocial paradigm(s).

This annotated dataset forms the basis for the subsequent analyses necessary to also address RQ3, which studies the differences in the distributions of values between human-authored and language model–generated responses to personal queries.

5.3 Experiments

The experimental design spans two major dimensions: (i) qualitative analysis of the sentence-level features (ii) quantification of the verdicts in the features by source type (two forms of human responses and three language model responses). While i. is conducted for each of the two datasets (r/aita and r/anxiety), under the four psychosocial paradigms, ii. is valid only for the r/aita dataset, where the responses may contain explicit judgments or not - forming 3 distinct classes (NTA, YTA, No judgment).

5.3.1 Experiment 1

In **Experiment 1**, the primary objective is to compare the selected paradigms and analyze the distributions of values across them, with the aim of ultimately determining how paradigm choice can lead to divergent interpretations of the same LLM response.

While values incentivized are also provided in the results, the analyses are focused on **values exhibited** under each paradigm by the two sources of response.

Statistical Methods

²Prompts for this step are provided in the appendices A.

³Note that in this context, 'feature' refers to the part of the text used for annotation from the responses and the body of the post.

The annotated dataset is used to construct contingency tables that shows how two categorical variables co-occur (with the values of a selected paradigm 1 represented across the columns and the values of the second paradigm represented across the rows). Chi-square tests are performed to assess independence between intra- and inter-paradigm values. The Benferroni correction is applied to control the family-wise error rate.

5.3.2 Experiment 2

Experiment 2 is designed to analyze the differences in judgments for the r/aita dataset across two different sources of responses: i. human-authored, and ii. LLM-authored responses for the two psychosocial paradigms - Rogerian PCT and Goffman's ToF.

Statistical Methods

Judgments are extracted from the annotated dataset under three class labels: (i) NTA, (ii) YTA, and (iii) No (explicit) judgment. These labels are used to construct a 3×3 confusion matrix, with the human-authored judgment as the ground truth and the LLM-authored judgment as the prediction. Per-Class performance metrics and pairwise error rates, including the False Negative Rate (FNR) and False Positive Rate (FPR), are reported for each class label in Section 6.

The measurements thus obtained are used to inform the analysis on how 'judgments' differ between human- and LLM-authored responses.

5.3.3 Generations

Experiments 1 and 2 are rerun, this time to investigate the efficacy of control mechanisms to align the reasoning in language model outputs more closely with that of human experts. The output response of the language model can then be run through the evaluation pipeline again to compare the distributions of values with the human-sourced responses.

The implementation of generations with the chain-of-thought reasoning is detailed under the **Generation Pipeline** subsystem described in Section ??.

5.4 Construct Validity and Evaluation Metrics

To assess construct validity, one human annotator labeled 100 randomly sampled post–response pairs across all four paradigms for each response type. The PCT paradigm encompasses 15 values, Goffman's ToF 5, RVS 36, and AVT 18.

Inter-rater reliability reached Cohen's κ above xx for all metrics, with an overall classification accuracy of yy. For the AITAH dataset, verdicts and accompanying statements in responses were used as proxies for Empathy and Sycophancy, each mapped onto five behaviors as defined by their respective theoretical traditions⁴.

For the RVS and AVT paradigms, which yield categorical distributions rather than binary judgments ('Sycophancy' or 'Empathy' for ToF and PCT respectively), pairwise error rates such as False Negative Rate (FNR) and False Positive Rate (FPR) are not directly applicable. To identify significant associations between features annotated under more than one distinct paradigm we construct frequency tables and use chi-square analysis with the Benferroni correction with further details provided in section 7.

6 Results

A no-nonsense report of what happened.

6.1 Subsection

This subsection presents the main results.

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⁴This strategy is conceptually aligned with prior work on social sycophancy (Cheng et al., 2025)

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6.2 Subsection

This subsection presents additional results and analysis.

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6.3 Comparative Findings

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7 Analysis

Discussion of what the results mean, what they don't mean, where they can be improved, etc. These sections vary a lot depending on the nature of the paper. For papers reporting on experiments with multiple datasets, it can be good to repeat Methods/Results/Analysis in separate (sub)sections for each dataset.

The LATEX and BibTEX style files provided roughly follow the American Psychological Association format. If your own bib file is named custom.bib, then placing the following before any appendices in your LATEX file will generate the references section for you:

\bibliographystyle{acl_natbib}
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7.1 Interpretation of Results

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7.2 **Theoretical Implications**

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7.3 Subsection

The framework is capable of producing several informative plots of research interest. One such summary plot is a heatmap showcasing the values exhibited in the OPs post against the responses to support the investigation of several other potential research questions in this theme of interest (discussed in the future work section). Vivamus commodo eros eleifend dui. Vestibulum in leo eu erat tristique mattis. Cras at elit. Cras pellentesque. Nullam id lacus sit amet libero aliquet hendrerit. Proin placerat, mi non elementum laoreet, eros elit tincidunt magna, a rhoncus sem arcu id odio. Nulla eget leo a leo egestas facilisis. Curabitur quis velit. Phasellus aliquam, tortor nec ornare rhoncus, purus urna posuere velit, et commodo risus tellus quis tellus. Vivamus leo turpis, tempus sit amet, tristique vitae, laoreet quis, odio. Proin scelerisque bibendum ipsum. Etiam nisl. Praesent vel dolor. Pellentesque vel magna. Curabitur urna. Vivamus congue urna in velit. Etiam ullamcorper elementum dui. Praesent non urna. Sed placerat quam non mi. Pellentesque diam magna, ultricies eget, ultrices placerat, adipiscing rutrum, sem.

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8 Conclusion

/textcolorblack!40Quickly summarize what the paper did, and then chart out possible future directions that anyone might pursue. Finish with a strong conclusion. Avoid subjective wording such as "unprecedented", "pioneering", or "groundbreaking".

8.1 Summary of Findings

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8.1.1 Discussion

Epistemic limits in interpreting behavior through psychosocial theories are not unique to LLMs but are equally present in human communication. Recent advances in NLP provide opportunities to systematically translate qualitative theories into quantitative analyses, thereby enabling a more rigorous investigation of these epistemic limits. Nevertheless, this remains an open challenge that extends beyond the scope of NLP research and requires engagement from the broader social science and humanities communities. It would be misleading to assume that an observed feature is purely "sycophantic" or "empathic" without due consideration for the context of the personal interaction and the needs of the individual.

8.2 Future Directions

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Limitations

API calls incur costs - funding and time limitations - can broaden DeepReflect to include other models (LLMs) and other psychosocial frameworks - especially frameworks on ethics which have been historically used in personal decision-making on which rich literature exists from historic accounts of deep human philosphical thought such as Kantian ethics, Utilitarianism, and Virtue Ethics, Stoicism, Gita -Vedic Philosoph, Buddhism. The Reddit dataset is rich and can be dissected in ways to aid a more nuanced understanding of the social values and influences that shape our personal lives and interactions. ACL 2023 requires all submissions to have a section titled "Limitations", for discussing the limitations of the paper as a complement to the discussion of strengths in the main text. This section should occur after the conclusion, but before the references. It will not count towards the page limit. The discussion of limitations is mandatory. Papers without a limitation section will be desk-rejected without review. While we are open to different types of limitations, just mentioning that a set of results have been shown for English only probably does not reflect what we expect. Mentioning that the method works mostly for languages with limited morphology, like English, is a much better alternative. In addition, limitations such as low scalability to long text, the requirement of large GPU resources, or other things that inspire crucial further investigation are welcome.

9 Ethics Statement

We encourage all authors to include an explicit ethics statement on the broader impact of the work, or other ethical considerations after the conclusion but before the references.

The ethics statement will not count toward the page limit (8 pages for long, 4 pages for short papers).

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	nose. And if you ever saw it, you would even	gram management and science in the babel program.	1256
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307	Shashank Srivastava, and Snigdha Chaturvedi. 2024.	Honesty, Helpfulness, Harmlessness, Respect for	1356
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315	preprint arXiv:2201.11903.	C.1 Basic Response Generation Prompt	1361
	• •	You are a helpful assistant responding to a person	ab2que
316	Yutong Zhang, Dora Zhao, Jeffrey T. Hancock, Robert	Please provide a thoughtful, supportive response	tasthe
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324	llm-as-a-judge with mt-bench and chatbot arena. In	You are responding to a personal query using Perso	rs60ent
325	Proceedings of the 2023 Conference on Empirical	Follow this reasoning process:	1370
326	Methods in Natural Language Processing (EMNLP).	1	1371
327	Association for Computational Linguistics.	1. Acknowledge the person's feelings without judge	menzt
	A 70		1373
328	A Prompts	3. Explore their perspective with genuine curiosi	
329	B Complete List of Values and Behaviors	4. Support their autonomy and self-determination	-
	<u>-</u>		
330	by Paradigm		1376
331	B.1 Rokeach Value Survey (RVS)		1377
000	Torminal Values. A comfortable life. An excit		1378
332	Terminal Values: A comfortable life, An exciting life, A capacity of accomplishment. A good of		1379
333	ing life, A sense of accomplishment, A world at	Response: [Your final response]	1380
334	peace, A world of beauty, Equality, Family security,	C.3 Annotation Prompt for LLM-as-a-Judge	1381
335	Freedom, Happiness, Inner harmony, Mature love,	_	
336	National security, Pleasure, Salvation, Self-respect,	Evaluate the following text for the presence of va	
337	Social recognition, True friendship, Wisdom	[PARADIGM NAME] framework.	1383
338	Instrumental Values: Ambitious, Broad-		1384
339	minded, Capable, Cheerful, Clean, Courageous,	Text: [TEXT TO ANALYZE]	1385
340	Forgiving, Helpful, Honest, Imaginative, Indepen-	1	1386
341	dent, Intellectual, Logical, Loving, Obedient, Po-	Values to check: [LIST OF VALUES]	1387
342	lite, Responsible, Self-controlled	1	1388
		For each value, respond with 1 if present, 0 if abs	seset:
343	B.2 Rogerian Person-Centered Therapy	- Value 1: [0/1]	1390
344	(PCT)	- Value 2: [0/1]	1391
345	Empathy, Active Listening, Non-judgmental Ac-		1392
	ceptance, Unconditional Positive Regard, Emo-		
346 347	tional Safety, Genuineness, Congruence, Psy-	D Statistical Analysis Details	1393
348	chological Freedom, Self-actualization, Personal	D.1 Cohen's Kappa Calculation	1394
349	Growth		1395
		•	
350	B.3 Goffman's Theory of Face (ToF)	Kappa:	1396
351	Emotional Validation, Moral Endorsement, Indi-	$p_o - p_e$	1007
352	rect Language, Indirect Action, Accepting Fram-	$\kappa = \frac{p_o - p_e}{1 - p_e}$	1397
353	ing, Face-saving, Politeness, Deference, Social Har-	where p_o is the observed agreement and p_e is the	1398
	6, , , , 2 , 2 , 2	FO The state of	

mony, Conflict Avoidance

1354

expected agreement by chance.

1399

D.2 Chi-Square Test for Independence

 For categorical paradigms (RVS, Anthropic Value Tree), we used chi-square tests:

$$\chi^2 = \sum \frac{(O_{ij} - E_{ij})^2}{E_{ij}}$$

where O_{ij} are observed frequencies and E_{ij} are expected frequencies under independence.