





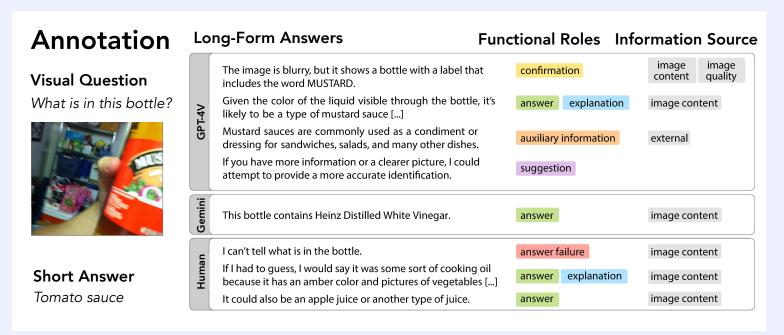
Long-Form Answers to Visual Questions from Blind and Low Vision People



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VizWiz-LF Dataset

Our dataset VizWiz-LF contains 4.2k long-form answers (avg. 30 words) to visual questions, collected from human expert describers and 6 VQA models.



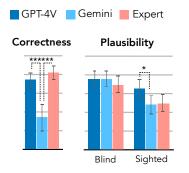
Reference (GT) Candidate (Model) Short Long Short Extracted Functional Long **Expert Answer**

Extracted

- Evaluation using long reference answers shows a better correlation with human
- * LLM metric > ROUGE/METEOR/BERTScore

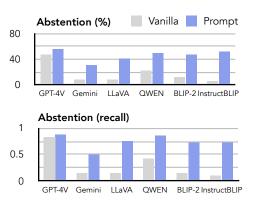
Extracted

Automatic Evaluation Human Evaluation



- * Model answers hallucinate with incorrect visual details, but blind people often perceive them as plausible
- * Sighted people's evaluation is not a strong proxy for blind people

Abstention Experiment



- * We can use functional roles to check if a model's long-form answer abstained.
- * Prompting models with abstain instructions can reduce hallucinations.