

# Recognizing AI Hallucinations

**What are AI hallucinations?** AI generates convincing, but incorrect or non-existent information. The model "invents" answers that seem plausible, based on the data it was trained on, without actually understanding the facts (average  $\pm 1\%$ ).

## Forms of Hallucinations

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**Factual inaccuracies:**

Convincing-sounding but fabricated 'facts', statistics, or events.

**Incorrect details:** Incorrect date, amounts, names, product functions, or technical specifications.

**Logical and arithmetic errors:** For example, "5.11 is greater than 5.3" or contradictory reasoning within the same output.

**Fabricated sources and references:** Non-existent studies, articles, experts, or quotes.

**Misinterpretation of context:** Answers that, while containing correct elements, do not fit the specific question or context.

Your hallucination control check	
✓ <b>Verifiable</b>	Are the facts, figures, data, and names verifiable through reliable sources?
✓ <b>Accurate</b>	Are the details correct? Are there no calculation errors or incorrect specifications?
✓ <b>Consistent</b>	Based on your existing knowledge and expertise? Would a colleague phrase or conclude this in the same way?
✓ <b>Realistic</b>	Do the mentioned concepts, roles, persons, or organizations really exist?