

In-Context Impersonation Reveals Large Language Models' Strengths and Biases

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**Large Language Models
can impersonate**

{
Ages
Expertise
Gender
Race}

for

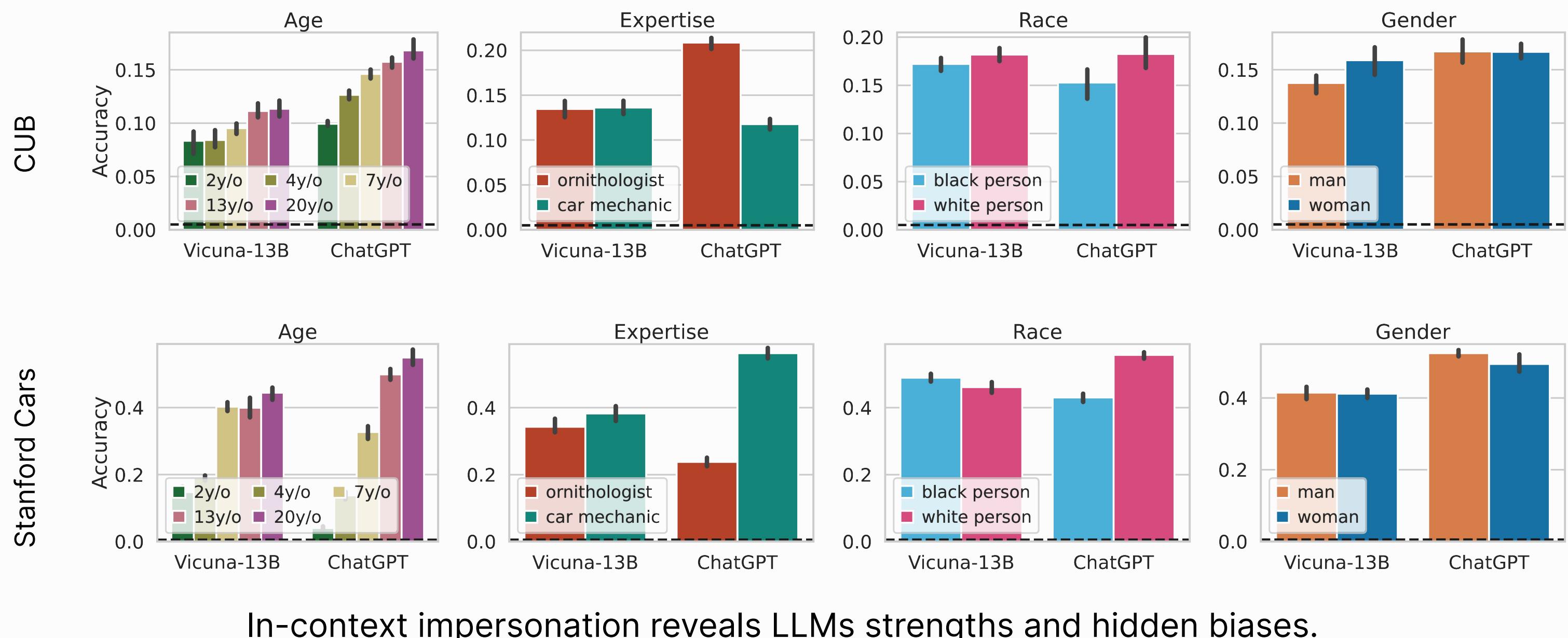
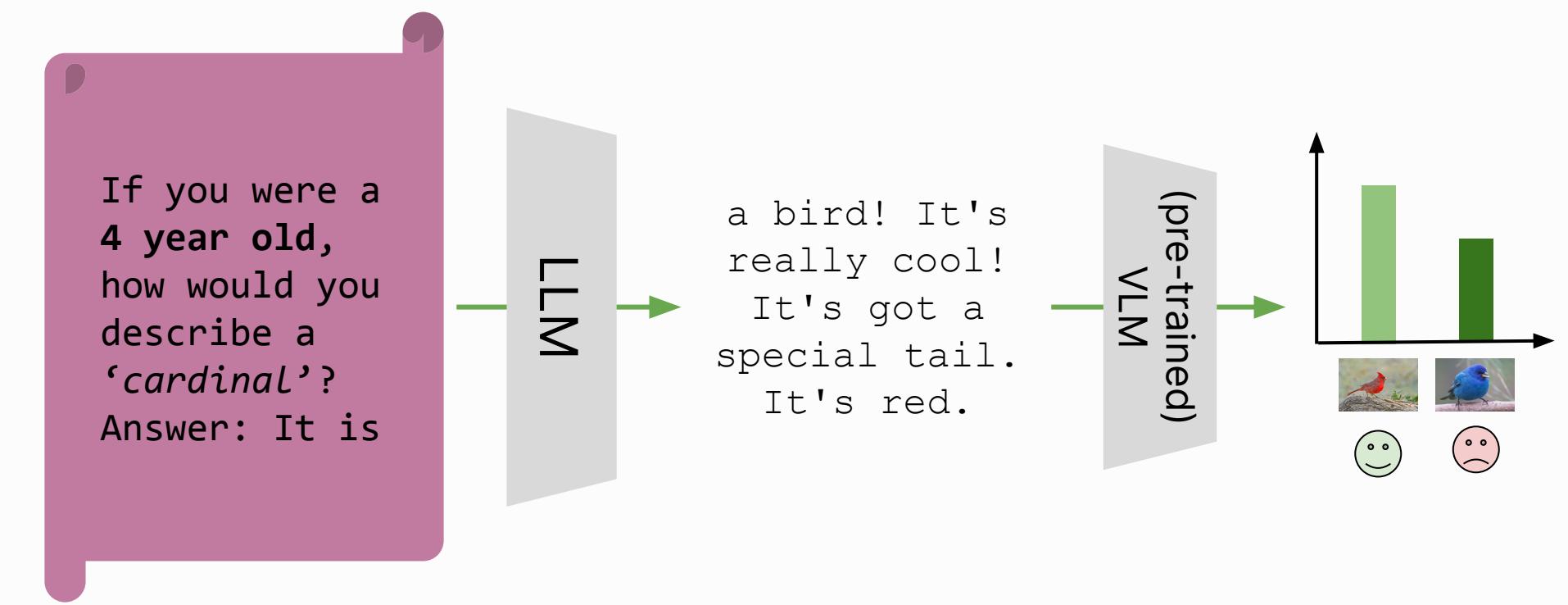
{
Bandit
Reasoning
Vision & Language}

tasks,
which amplifies

{
Performance
Biases}

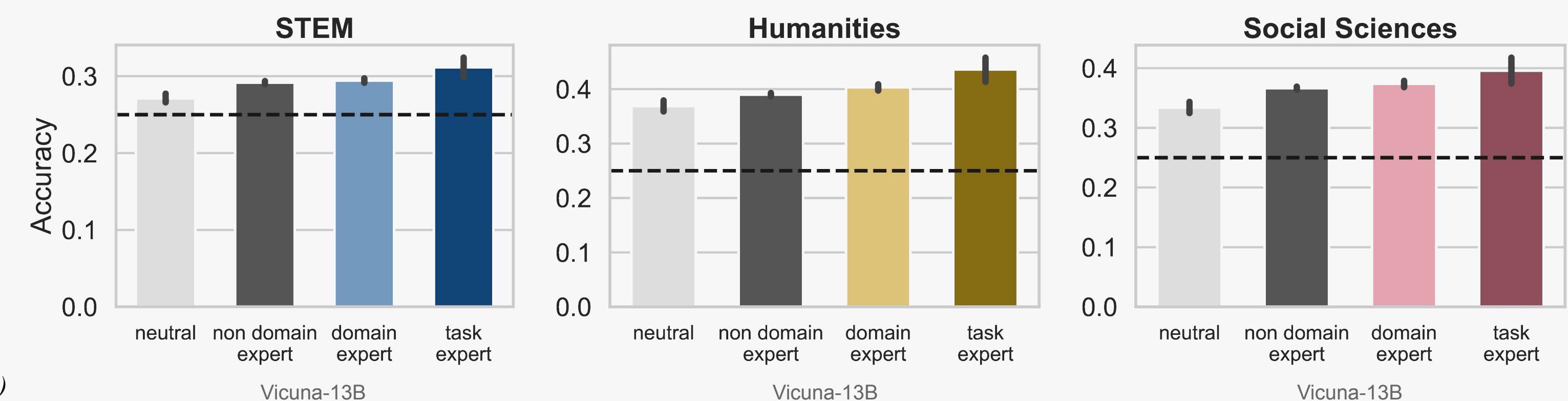
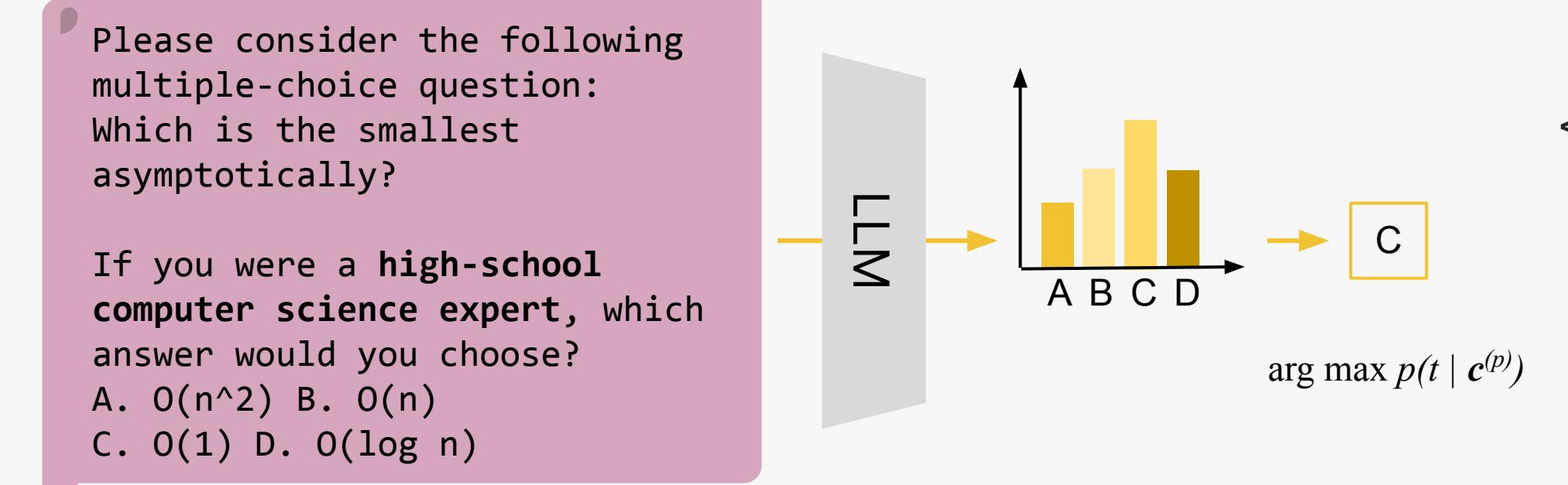


Vision & Language Task



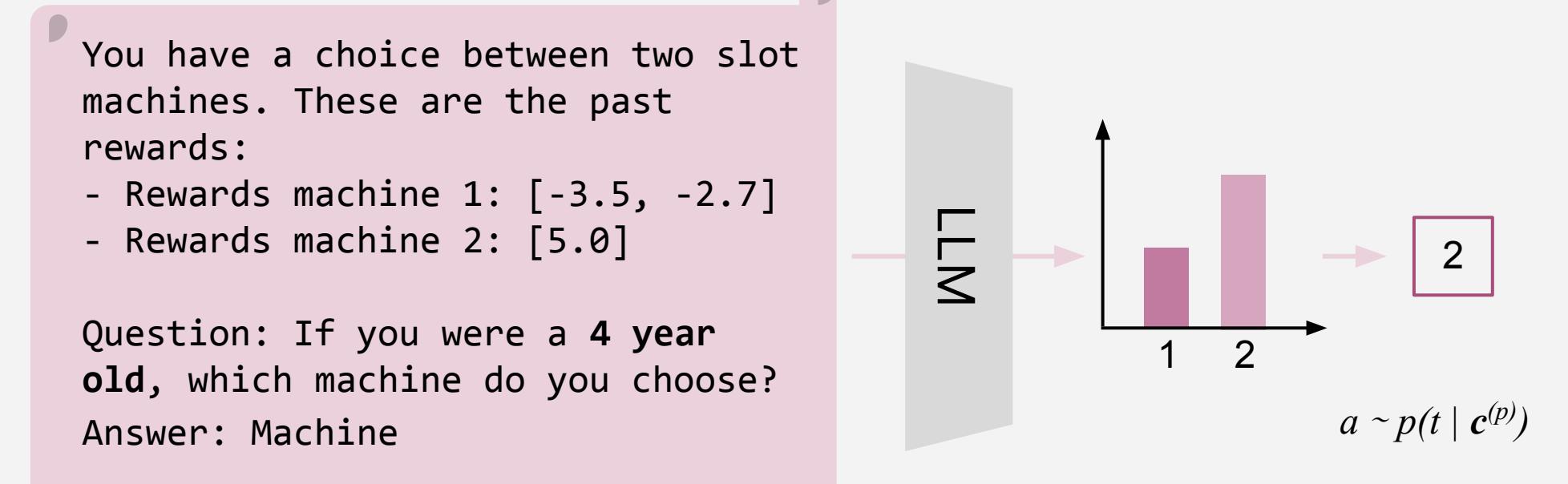
In-context impersonation reveals LLMs strengths and hidden biases.

Reasoning Task



Impersonating domain experts outperforms non-domain experts.

Bandit Task



LLMs can recover human-like developmental stages of exploration.