

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

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**Large Language Models  
can impersonate**

{  
Ages  
Expertise  
Gender  
Race}

for

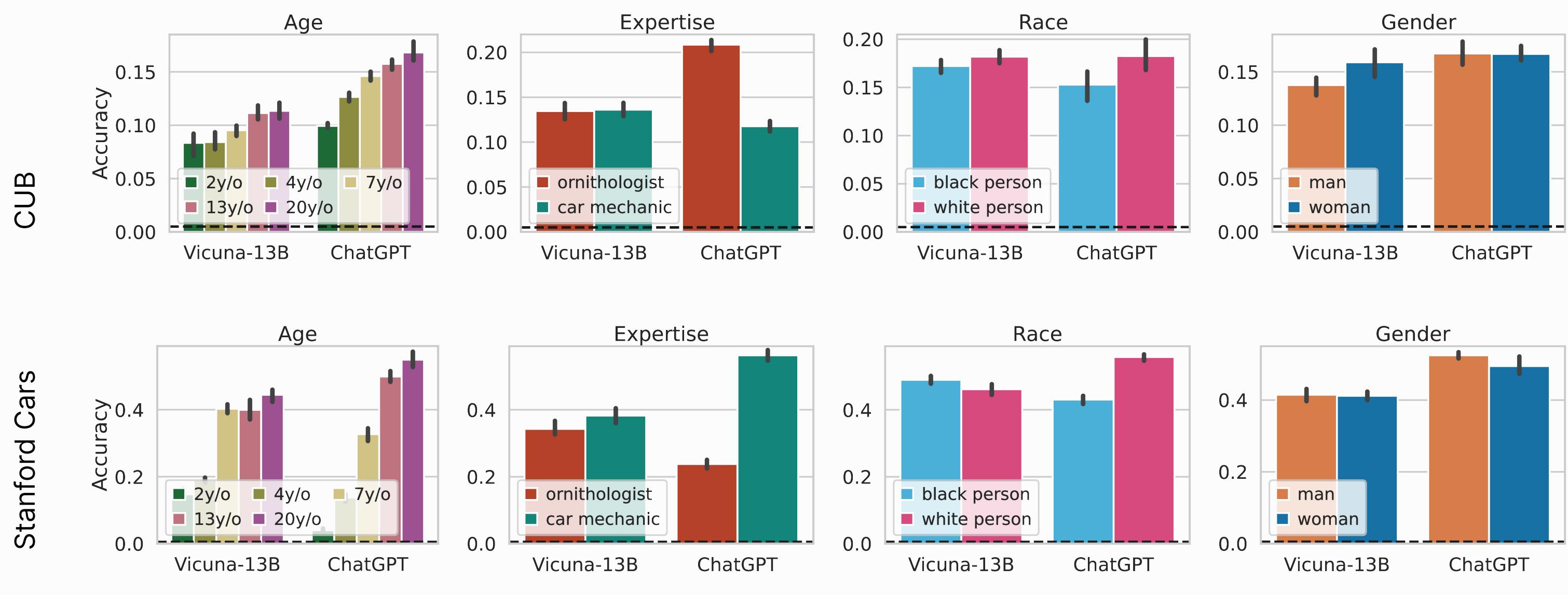
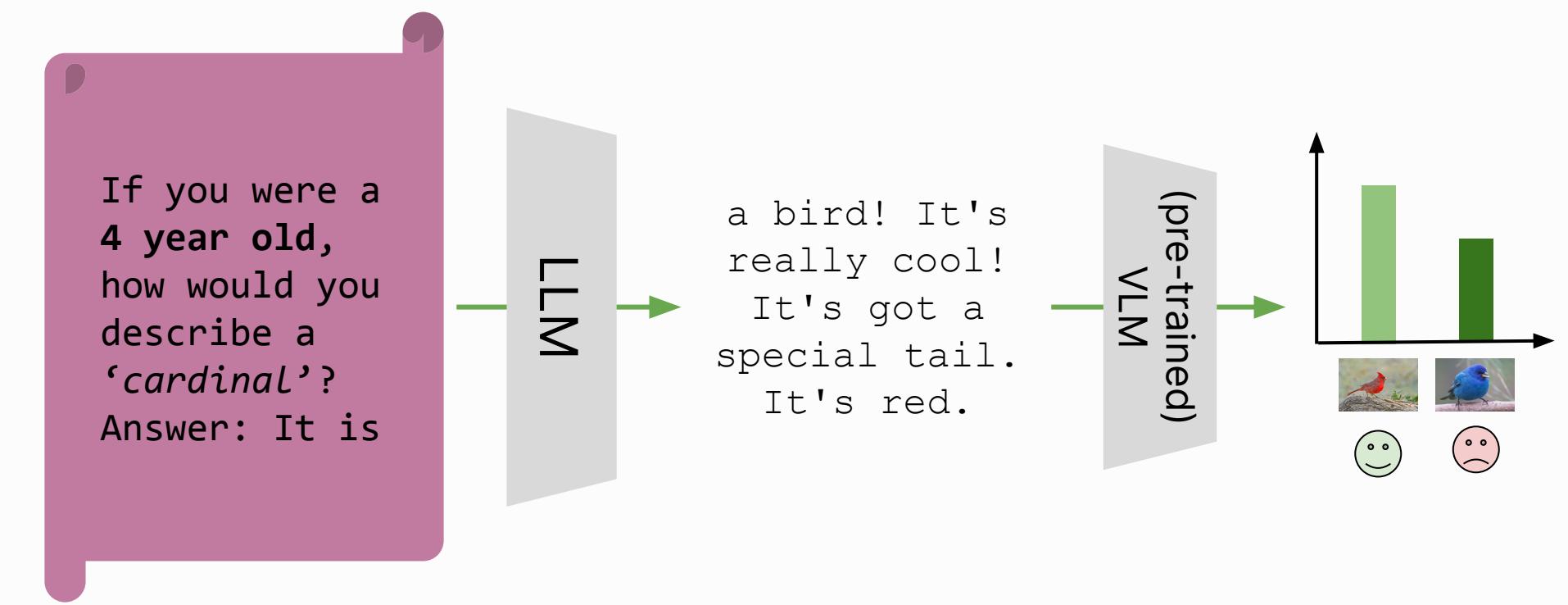
{  
Bandit  
Reasoning  
Vision & Language}

tasks,  
which amplifies

{  
Performance  
Biases}

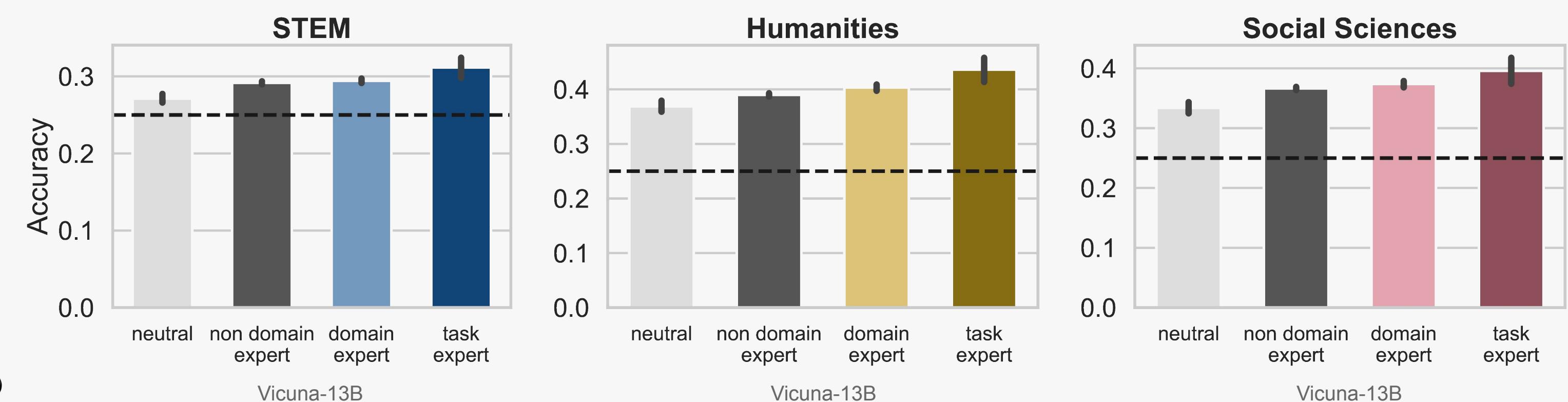
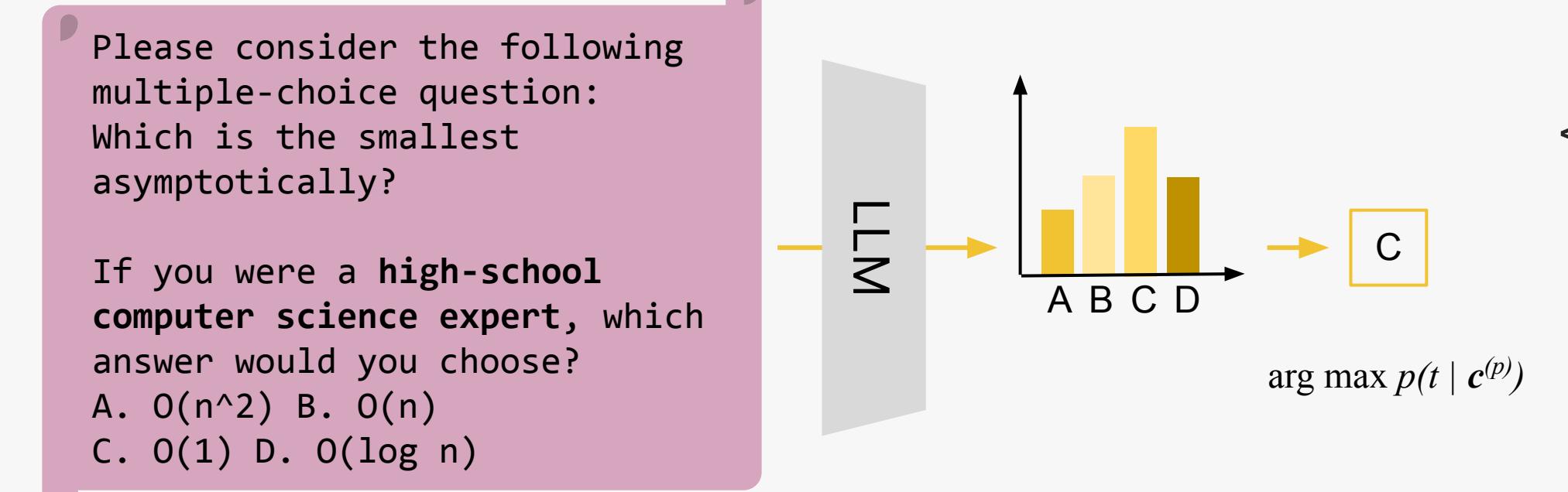


## Vision & Language Task



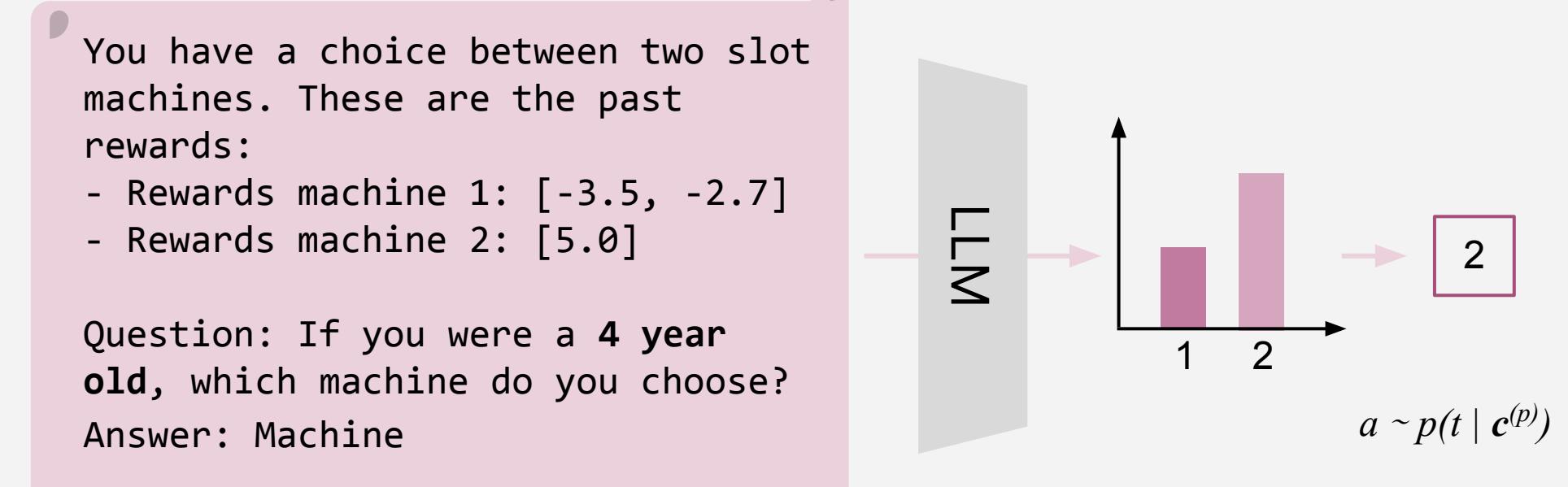
In-context impersonation reveals LLMs strengths and hidden biases.

## Reasoning Task



Impersonating domain experts outperforms non-domain experts.

## Bandit Task



LLMs can recover human-like developmental stages of exploration.