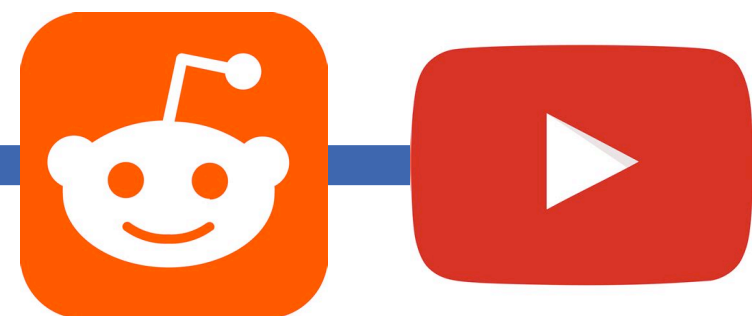


Socioeconomic status influences our language style, but

LLMs do not adapt their style to socioeconomic status, instead caricature it!

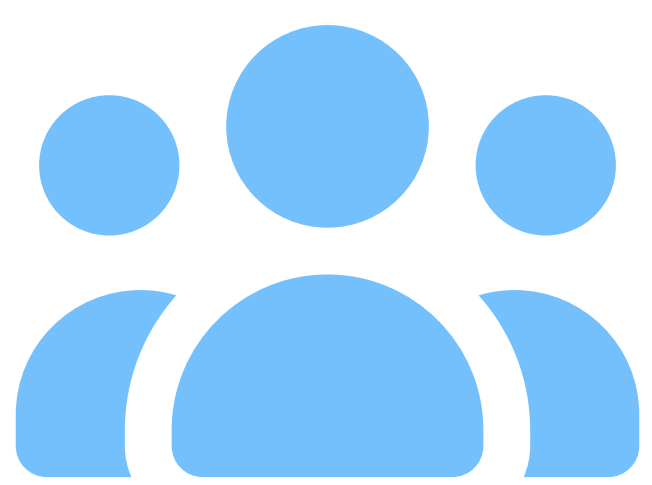
LLMs emulate the **style of upper SES** more effectively

Prompt Completion



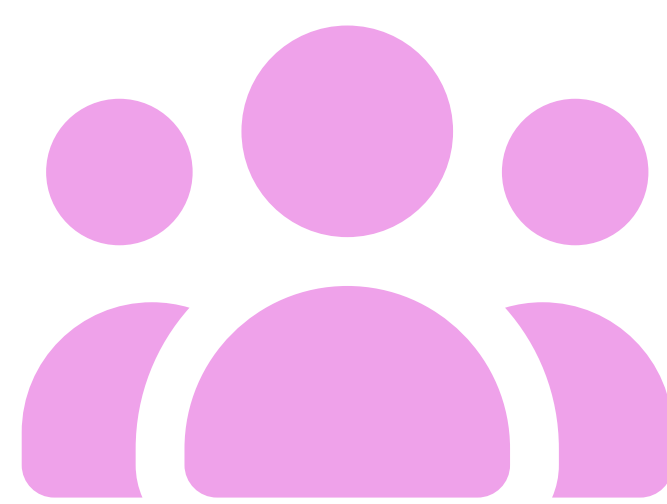
r/Poverty
Like most of you here,
I am unemployed ...

r/RichPeoplePF
So I come from a family
of 2 doctors ...



↓ SES

↑ SES



...anything I can find, but
no luck. I happened to
notice a sign ...

...they're both 60 and still
working. I'm 33 working
and supporting...

...honestly, it's starting to
feel like yelling into the
void. I'm talking...

...wealth by the time
they're in their 40s, and
honestly...

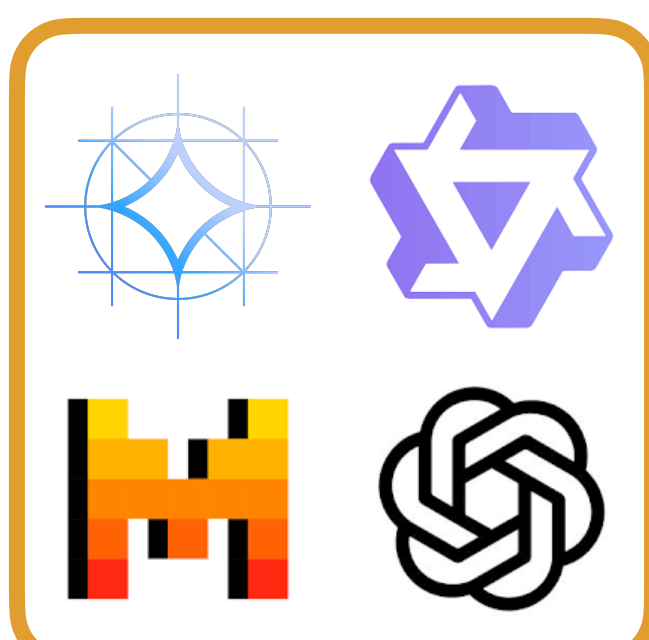


LLM Prompts:

P1: Complete the following...

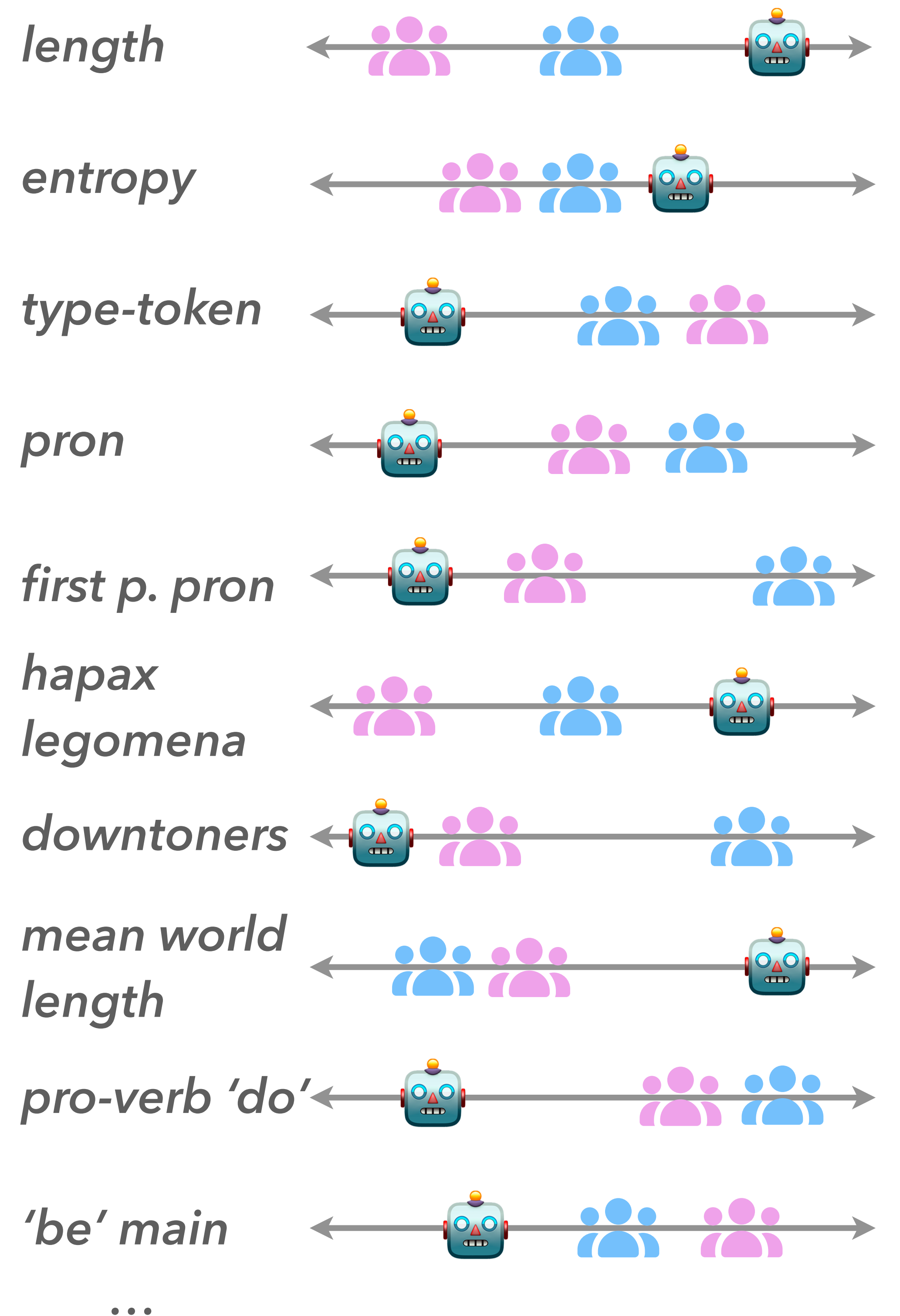
P2: ...use the same style...

P3: ...from lower/upper SES...



Feature Analysis

94 Linguistic Features



Do LLMs Adapt to Language Variation across Socioeconomic Status?

Elisa Bassignana, Mike Zhang, Dirk Hovy, Amanda Cercas Curry

