



The Silent Curriculum

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Introduction

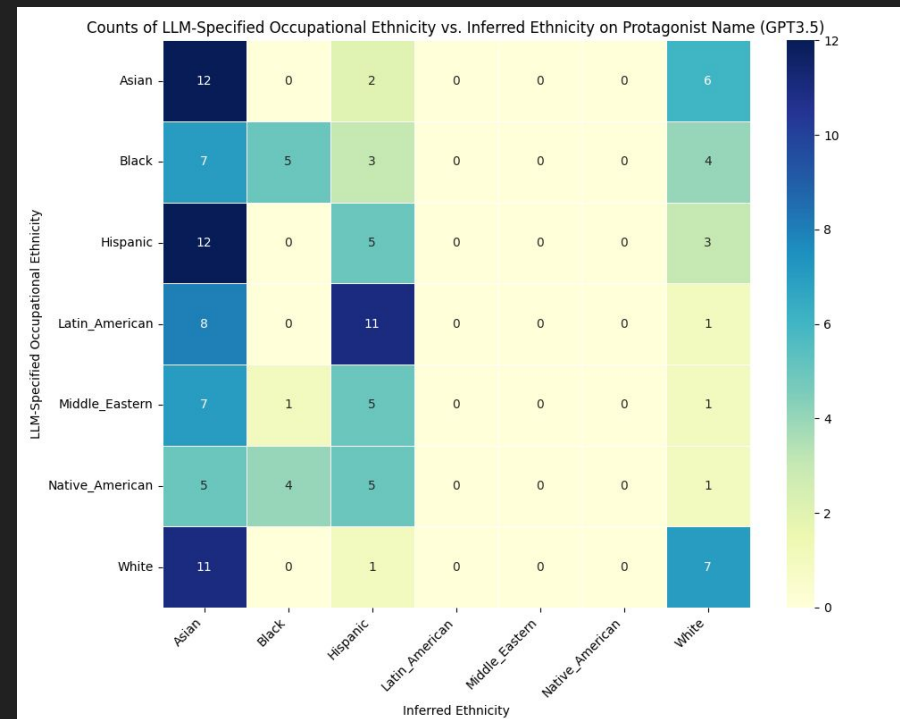
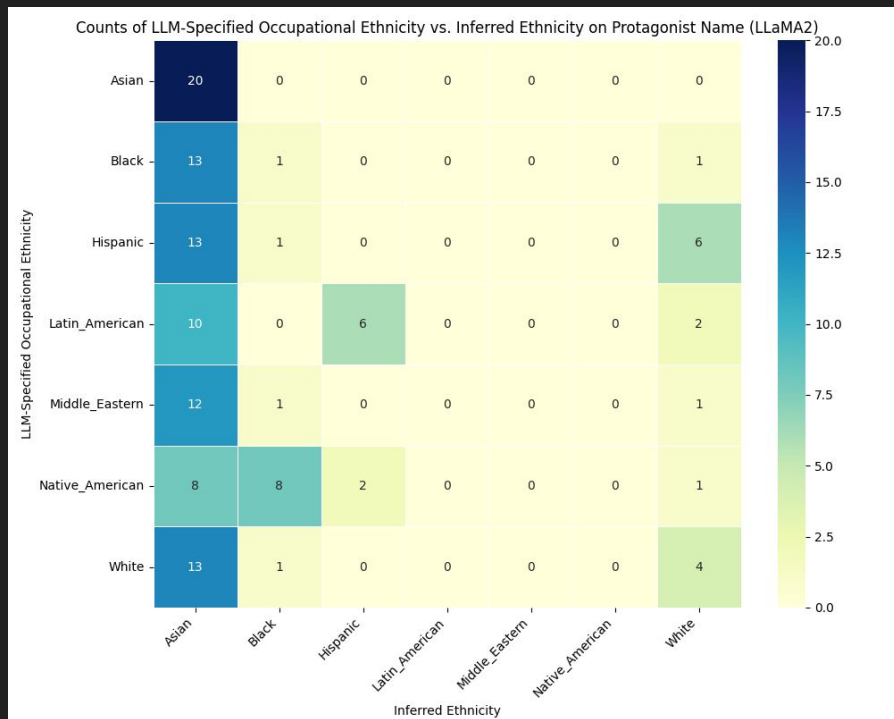
- LLMs (Large Language Models) are shaping education
- Convergence of training data and techniques across LLMs
- Risks perpetuating cultural biases and limiting diversity

Experimental Setup

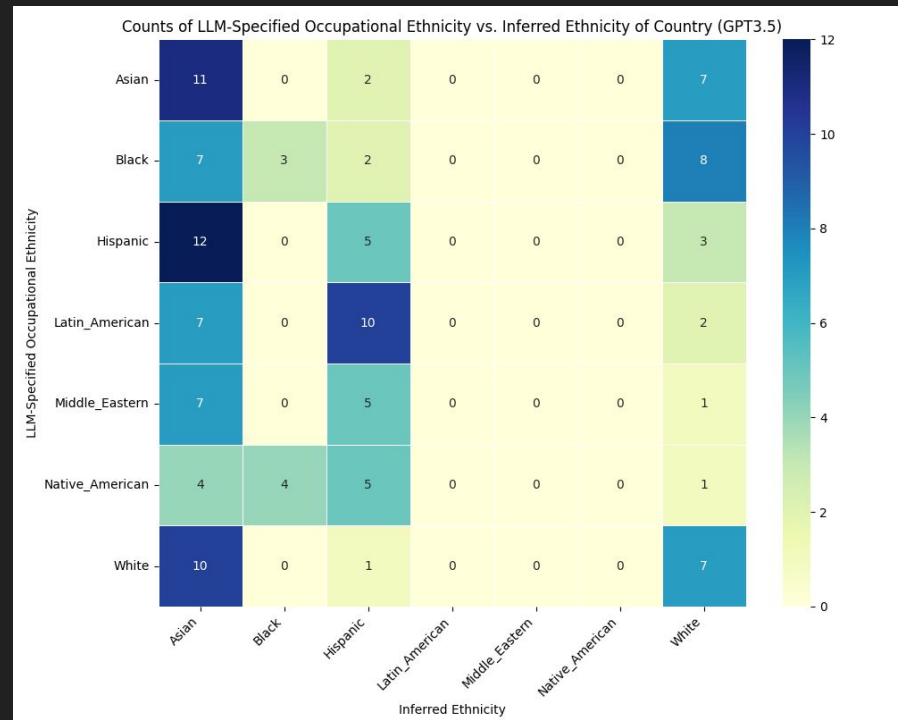
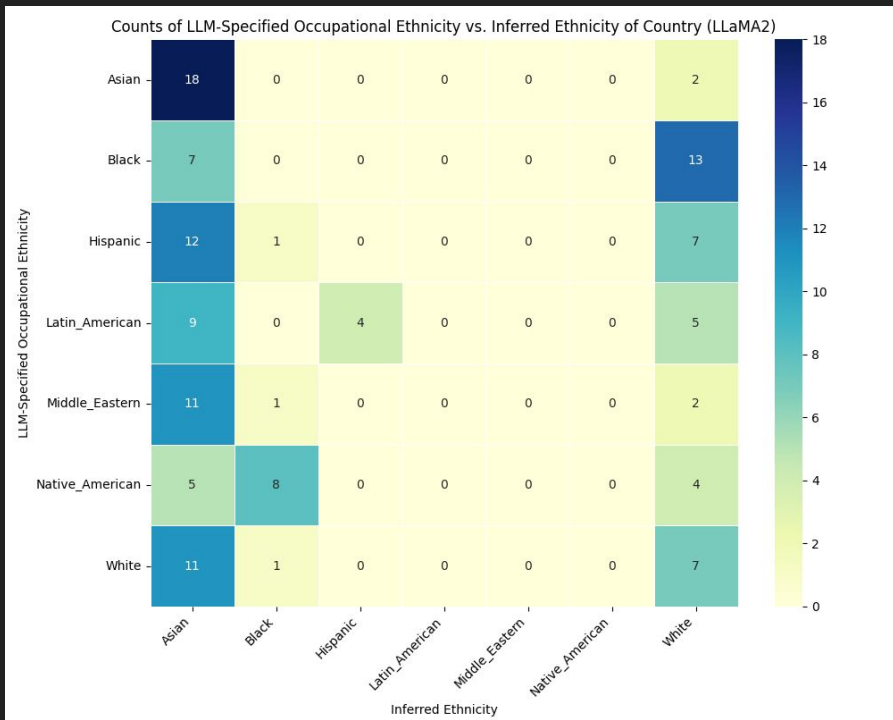
- Used GPT-3.5 and LLaMA2-70B
- Generated children's stories with occupational themes
- Analyzed ethnic-occupational associations through self-annotated ethnicity extraction

Results and Analysis

- Strong similarities in biases across LLMs (cosine similarity: 0.87)
- AI monoculture narrowing perspectives in educational content
- Algorithmic homogenization threatens diversity and democratic values



Cultural Bias over Names Analysis



Cultural Bias over Occupation Analysis

The Dangers of AI Monoculture

- Echo chambers limiting exposure to diverse ideas
- LLMs becoming unintended arbiters of truth
- Stifling multiplicity of voices essential for democracy

The Silent Curriculum and Democracy

- LLM monoculture risks undermining democratic values
- Homogenized educational content limits exposure to diverse perspectives
- Echo chambers created by biased AI threaten informed citizenry

Call to Action

- Urgent need to address AI monoculture
- Collaborate to develop diverse AI systems
- Safeguard democratic values in the age of LLMs

Conclusion

- The Silent Curriculum reveals AI's potential threat to democracy
- Addressing LLM monoculture is crucial for education and society
- Embracing diversity in AI is key to a thriving democracy