

Standing Question 9:

What are the most promising opportunities for AI?

- For practical and intellectual reasons, we think the field should focus on ways AI technology can be better integrated to work with people effectively.

Little Tikes LTX Battery Operated Tricycle

He's been dreaming about his first bike for a while, and now he can hop on and ride around with friends and siblings alike on this bright red Little Tikes LTX Battery Operated Tricycle. It features an adjustable seat, a footrest and a chain guard so he'll stay safe while riding. Battery-operated, it requires 2 AA batteries (not included). This is a toy for children 3 years and older.

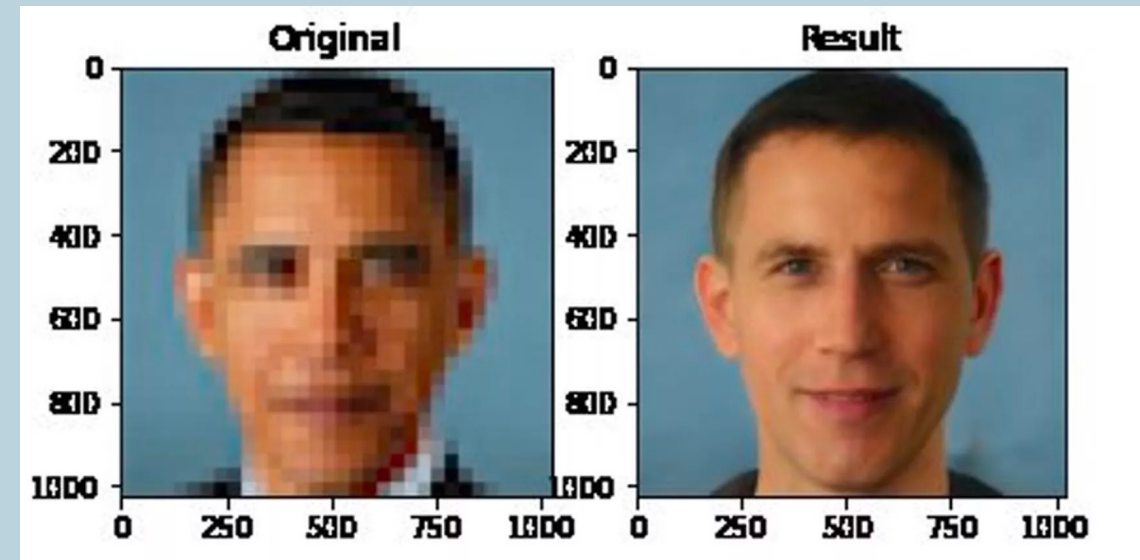
Transformers and other large-scale language models have produced dramatic improvements in the generation of life-like text.

Automatic summaries of large literatures could help people work more effectively on broad cross-disciplinary questions.

Standing Question 10:

What are the most pressing dangers of AI?

- AI helps turbocharge the spread of disinformation.
- AI systems are often designed to cater to the majority, presenting significant risks to members of underrepresented groups.



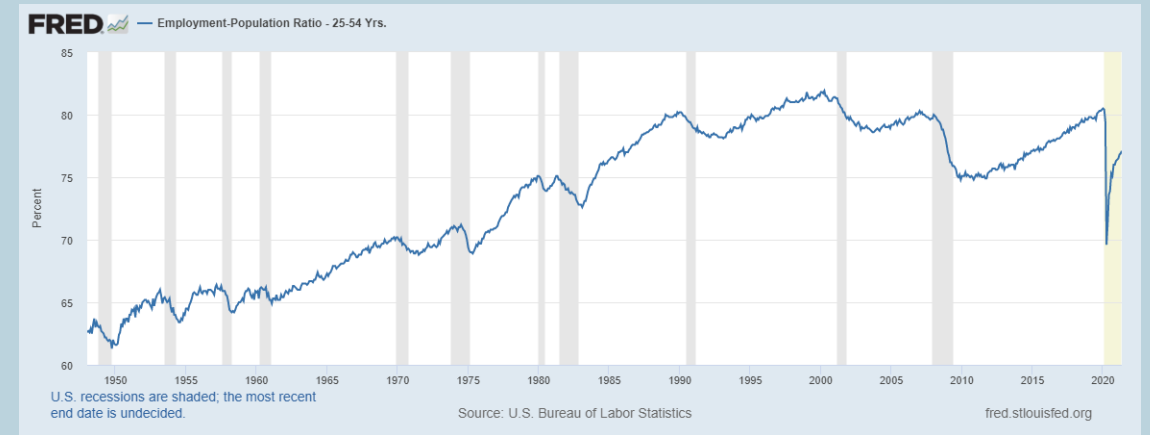
PULSE uses GAN technology to create high-resolution pictures of faces that match low-resolution images.

It was criticized for consistently generating images with features that appear ethnically white, regardless of the selected input image.

Standing Question 11:

How has AI impacted socioeconomic relationships?

- The question of “robots stealing our jobs” generates a lot of concern.
- It is a real possibility and something that should be closely watched.
- To date, rises in inequality and unemployment do not appear to be due to the spread of AI technology.



Employment as a fraction of the population reached a 20-year high right before the pandemic, suggesting that the growth of AI is not yet producing large-scale unemployment.

Standing Question 12:

Does it appear “building in how we think” works as an engineering strategy in the long run?

- Two approaches to AI: built-in mechanisms and learning-based systems.
- The pendulum has swung to learning systems as being the most influential.
- We think we’re seeing the beginning of the end of that trend and a move toward more hybrid designs in AI.

5. WELL, WHADDYA SAY?

by Kevin G. Der / Will Shortz



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37 Across: Fans of nature?

Dr. Fill combined generic deep learning approaches, classical AI, and some crossword-specific domain knowledge to best all comers in the 2021 crossword championship.