



Daily Article (Bharath's Reading list) - Answers and Explanations 06.04.2023

Article link : <http://bit.ly/40JmLvt> (AI and the American Smile)

1.The author calls the series of AI-generated images posted on r/midjourney "a steganographic deception within the pixels" as:

- A.The images beam a false visual narrative of shared humanity which is perfectly legible to your brain but completely incongruous
- B.The singular, monolithic perspective they present, by collapsing the spectrum of history, culture, photography and emotion concepts, is like a secret message hidden in plain sight
- C.These images were generated by AI trained on a dataset dominated by photos taken by photographers like Edward Curtis, whose own colonizing point of view influenced how Native peoples were represented
- D.All the above

Explanation: B

Steganography is the practice of hiding secret information within other ordinary information. Option B states the main idea of the passage and explains the given statement best. Option A implies the idea of shared humanity is incongruous. This is not what the article says. Option C is not related to the given statement.

2.All the following are true, based on the article, except:

- A.AI identifies that someone is most likely lying when they are smiling the Duchenne "cheese" smile
- B.Cultures that rank high on uncertainty avoidance are less likely to believe that smiling faces look intelligent
- C.Algorithmic hegemony can strike at the heart of diversity of human expression, taking away vital concepts we use to make sense of ourselves
- D.The phrase "facial expression" tacitly assumes that the face broadcasts emotion.

Explanation: B

According to the article, American culture ranks high on uncertainty avoidance and Americans are more likely to believe that smiling faces look intelligent.

3. According to the article, "English has been a conceptual prison for the science of emotion" as:

- A. Most scientific research on emotion is conducted in English using American concepts, but these are not clues to universal human concepts or to basic psychological realities
- B. English, being the language of imperialists, has been instrumental in wiping out several languages which describe diverse human experience in different ways
- C. The concept of "emotion" itself is an invention of the seventeenth century and American-influenced English terms of emotion dominate AI
- D. Before the seventeenth century, scholars wrote about passions, sentiments, and other concepts that had somewhat different meanings in languages other than English

Explanation:

Correct option **A**

Note the lines, "Most scientific research on emotion is conducted in English, using American concepts and American emotion words (and their translations)...English terms of emotion constitute a folk taxonomy, not an objective, culture-free analytic framework, so obviously we cannot assume that English words such as disgust, fear, or shame are clues to universal human concepts, or to basic psychological realities." The article does not say English has been instrumental in wiping out several languages. Option C is specific to AI whereas the question is more general. Option D, again, is not something mentioned in the article.

