

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Think You Can Outsmart the Algorithm? Post-Truth Digital Literacy Challenge for Undergraduates

Can your students spot a deepfake before the first click? Analyze 5 complex scenarios involving algorithmic bias, data synthesis, and information sovereignty.

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**1. In the context of algorithmic curation, how does the 'filter bubble' phenomenon fundamentally challenge the synthesis of objective information in academic research?**

- A. By prioritizing engagement metrics over veracity, creating an epistemological feedback loop.
- B. By increasing the speed of data retrieval through localized server caching.
- C. By standardizing search results across all geographical regions to ensure equity.
- D. By automatically fact-checking peer-reviewed sources against social media sentiment.

**2. True or False: The 'Lateral Reading' strategy requires researchers to stay on a single webpage and investigate its 'About Us' section thoroughly before consulting external sources to verify credibility.**

- A. True
- B. False

**3. When evaluating the ethical implications of Large Language Models (LLMs) in digital scholarship, the concept of \_\_\_\_ refers to the unintended reproduction of societal prejudices found in training data.**

- A. Algorithmic Objectivity
- B. Stochastic Parroting
- C. Data Sovereignty
- D. Sociotechnical Bias

**4. Which of the following describes the most advanced stage of 'Information Sovereignty' for a digital citizen in a post-truth era?**

- A. The ability to use Boolean operators to narrow down Google search results.
- B. The passive consumption of verified news through a single reputable subscription.
- C. The critical agency to manage one's digital footprint and curate diverse, verifiable data streams.
- D. The total rejection of digital platforms in favor of analog primary sources.

**5. True or False: Synthetic media, such as high-fidelity deepfakes, primarily utilize Generative Adversarial Networks (GANs) to create content that can bypass traditional visual verification methods.**

- A. True
- B. False