

Ap Sem Summer Assignment

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1 Lens, Issues, and Articles

- Theme: Technology

Lens	Issue/Question	Article
environmental	How can we use technology to efficiently generate and store energy?	https://energystorage.org/why-energy-storage/technologies/

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Lens	Issue/Question	Article
Scientific	How can we use technology to filter out artificial research papers?	https://www.nature.com/articles/d41586-021-00733-5
Economic	How can we use AI to predict demand and reduce cost of goods?	https://hbr.org/2016/11/the-simple-economics-of-machine-in
Political and Historical	How can we use AI to analyze and predict the results of elections?	https://www.wsj.com/articles/artificial-intelligence-shows-potential
Artistic and Philosophical	How will artificially-generated art affect art prices in the future	https://www.forbes.com/sites/jessedamiani/2020/09/21/in-this-exhibition-an-ai-dreams-up-in-the-future/?sh=6c0d29e732e6

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Lens	Issue/Question	Article
Cultural and Social	What are the effects of technology on a kids social life?	https://www.linkedin.com/pulse/impacts-technology-culture-tradition
Futuristic	How will technology affect transportation in the future?	https://capgemini-engineering.com/us/en/insight/how-technologies-will-change-the-fu

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Lens	Issue/Question	Article
Ethical	How can we prevent unethical robotics in the future?	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKewiq9c2RgKLyAhWTRjABFurl=https%3A%2F%2Fwww.frontiersin.org%2Farticles%2F10.3389%2Ffrobt.2017.00075%2Ffull&usg=AOvVaw2guSvyvgU4OWgLh_aLAXnQ

2 Choose one of the lenses with the best question which you have created. Read a few articles on the topic, and for two articles do the following:

2.1 Article 1: The fight against fake-paper factories that churn out sham science

1. Brief summary of the article

- Since last January, journals have retracted at least 370 papers that have been publicly linked to paper mills. Many more retractions are expected to follow; 15 are still under investigation. Research-integrity sleuths have warned that some scientists buy papers from third-party firms to help their careers. Image detectives who work under pseudonyms posted a list of more than 400 published papers they said probably came from a paper mill in January 2020. By March 2021, they had collectively listed more than 1,300 articles as possibly coming from paper mills. Around 26% of the articles that the sleuths alleged came from paper Mills have so far been retracted or labeled with expressions of concern.

2. Authors Thesis:

- Research-integrity sleuths have repeatedly warned that some scientists buy papers from third-party firms to help their careers

3. To what extent are the authors claims valid?

4. What is one weakness with the author's claim?

1. Copy and paste 2 direct quotes that best represent this article .

- In a statement this year to Nature, Elsevier said that its journal editors detect and prevent the publication of thousands of probable paper-mill submissions each year, although some do get through.
 - We are one of a number of publishers to have been affected by such activity.” Since last January, journals have retracted at least 370 papers that have been publicly linked to paper mills, an analysis by Nature has found, and many more retractions are expected to follow.

1. Evaluate the article's effectiveness. Is it convincing?

- The article is convincing. The write is objective, to the point, and makes sure to back up her writing with sources and citations. The site itself is trustworthy, *nature.com* is a host to many research papers and is experienced on the topic.
2. Do you agree with the author?
 - I completely agree with the author. Companies who churn out fake manuscripts are a disgrace to science, and harm the work of other students and researchers who worked hard to produce original work.
 3. Create an MLA works cited entry for each article:
 - Else, Holly, and Richard Van Noorden. “The Fight against Fake-Paper Factories That Churn out Sham Science.” *Nature*, vol. 591, no. 7851, Mar. 2021, pp. 516–19. www.nature.com, <https://doi.org/10.1038/d41586-021-00733-5>.

2.2 Article 2: A Collaboration Between two Artists: One Human, One a Machine

1. Brief summary of the article
 - Christie’s becomes the first auction house to offer a work of art created by an algorithm. Portrait of Edmond Belamy was created by Paris-based collective Obvious. It is one of a group of portraits of the fictional Belamy family created by Hugo Caselles-Dupré. The AI-generated artwork sells for \$432,500, nearly 45 times its high estimate.
2. Authors Thesis:
 - This portrait, however, is not the product of a human mind. It was created by an artificial intelligence, an algorithm defined by that algebraic formula with its many parentheses
1. To what extent are the authors claims valid?
2. What is one weakness with the author’s claim?
3. Copy and paste 2 direct quotes that best represent this article
4. Evaluate the article’s effectiveness. Is it convincing?

