

1. Networking

What is the difference between a client and a server?

Briefly explain how a loss of net neutrality might affect how you can watch Netflix at home.

Why might you not know which company's network your data goes across as you watch Netflix at home?

What is the difference between http and https?

2. Privacy

Define Security, Privacy, Anonymity.

Compare and contrast Big Brother and Little Brother. How does each get your data?

Is the unauthorized sharing of medical records a violation of Security, Privacy, or Anonymity?

If Amazon is hacked and your credit card number is stolen, is that a violation of Security, Privacy, or Anonymity?

What privacy concerns were raised about home assistants like Alexa and Google Home?

3. Smart Phone use

What were the criticisms raised about the data used in the Atlantic article by Twenge?

4. Media/Elections

Read the article *How Twitter is Being Gamed to Feed Misinformation* linked on the class schedule web page.

1. Explain why Twitter may be an ideal platform to use to influence an election.

2. Why might Twitter be especially attractive to a foreign power who wants to influence the US election.

3. Who is the primary target for fake news on Twitter, journalists or voters? Explain your answer.

5. AI/Automation

What was our definition of AI?

Do each of the following scenarios use AI?

Self checkout grocery store line

Amazon book recommender

Self driving car

Describe the "lump of labor" fallacy. Explain how adding more shipping capacity might disprove this fallacy.

Read the Washington Post article linked on the class schedule web page (WashPost). Briefly refute the claim that robots will destroy all our jobs.

Explain that, while the following statement may be correct, this is not the complete story and leaves the reader with the wrong impression of the future job outlook.

"The "automation bomb" could destroy 45 percent of the work activities currently performed in the United States, representing about \$2 trillion in annual wages, according to a study last year by the consulting firm [McKinsey & Co.](#)"

The chart shown was used to claim that the release of the iPhone led to a reduction in teen driving. Offer two other possible explanations for the reduction in teen driving after 2007.

