

Ethics in Technology

Check Your Understanding

Ethics in Technology



Evaluate your learning by completing the following knowledge check items.

Multiple Choice

1/1 point (ungraded)

How does personal bias influence artificial intelligence (AI)?

- ☐ It avoids influencing what a device learns.
- ☐ It is always based on the most ethical way to respond.
- ☐ It always teaches unethical ways to respond.
- ☒ It influences the patterns of how a system responds.

Answer

Correct:
Correct! Personal bias impacts the data and decision-making processes of AI systems, affecting the patterns and outcomes of how they respond.

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Checkboxes

1/1 point (ungraded)

Which two common sources of proxy-based bias introduce ethical challenges associated with artificial intelligence (AI) in IT?

- ☒ Zip code
- ☐ Limited sample size
- ☐ Protected feature selection
- ☒ School district

Answer

Correct:
That's right! Using zip codes as a proxy can introduce bias by indirectly reflecting socioeconomic or racial factors, leading to discriminatory outcomes in AI systems.
That's right! Using school districts as a proxy can also introduce bias, as they may correlate with socioeconomic and racial characteristics, affecting AI decisions unfairly.

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Multiple Choice

1/1 point (ungraded)

What does the term “ethics washing” refer to in the context of automated decision-making systems?

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- ☐ The act of revising algorithms to remove bias
- ☐ The practice of hiding unethical behavior behind the appearance of impartiality or objectivity in data.
- ☒ The development of new ethical guidelines for algorithm design.

Answer

Correct:
Correct! Developing ethical guidelines is an attempt to address ethical concerns, whereas "ethics washing" involves pretending that ethical issues have been resolved when they have not.

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