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Grade received **100%** To pass 80% or higher

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Weekly challenge 2

Latest Submission Grade **100%**

1. Fill in the blank: A preference in favor of or against a person, group of people, or thing is called _____. It is an error in data analytics that can systematically skew results in a certain direction.

1 / 1 point

- ☒ data bias
- ☐ data anonymization
- ☐ data collection
- ☐ data interoperability

✔ **Correct**

Data bias is a type of error that systematically skews results in a certain direction.

2. A university surveys its student-athletes about their experience in college sports. The survey only includes student-athletes with scholarships. What type of bias is this an example of?

1 / 1 point

- ☒ Sampling bias
- ☐ Confirmation bias
- ☐ Interpretation bias
- ☐ Observer bias

✔ **Correct**

This is an example of sampling bias, which is when a sample isn't representative of the population as a whole.

3. Which of the following are qualities of unreliable data? Select all that apply.

1 / 1 point

- ☒ Inaccurate

✔ **Correct**

Unreliable data is inaccurate, incomplete, and biased.

☐ Vetted

☒ Incomplete

☒ **Correct**

Unreliable data is inaccurate, incomplete, and biased.

☒ Biased

☒ **Correct**

Unreliable data is inaccurate, incomplete, and biased.

4. If a company uses your personal data as part of a financial transaction, you should be made aware of the nature and scale of the transaction. What concept of data ethics does this refer to?

1 / 1 point

☐ Ownership

☐ Consent

☒ Currency

☐ Privacy

☒ **Correct**

This refers to currency, which says that individuals should be aware of financial transactions resulting from the use of their personal data and the scale of these transactions.

5. Ownership is a key issue in data ethics. Who owns data?

1 / 1 point

☒ The individual who originally generates the data

☐ The law enforcement agencies that enforce data protection laws

☐ The government that passes data-protection legislation

☐ The organization that invests time and money collecting, processing, and analyzing the data

☒ **Correct**

The individual who originally generates the data has primary control over its usage, how it's processed, and how it's shared.

6. The right to inspect, update, or correct your own data is part of which aspect of data ethics?

1 / 1 point

☐ Data openness

- ☐ Data ownership
- ☒ Data privacy
- ☐ Data consent

✓ **Correct**

The right to inspect, update, or correct your own data is part of data privacy.

7. What is the process of protecting people's private or sensitive data by eliminating identifying information?

1 / 1 point

- ☒ Data anonymization
- ☐ Data ethics
- ☐ Data design
- ☐ Data governance

✓ **Correct**

Data anonymization removes personally identifiable information, such as home addresses, telephone numbers, credit card numbers, and medical records.

8. A key aspect of open data is free access to people's personal information.

1 / 1 point

- ☐ True
- ☒ False

✓ **Correct**

Open data does not involve granting free access to people's personal information.