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Probability & Statistics

141



1. What does the acronym RACI stand for?

1 / 1 point

- ☒ Responsible, Accountable, Consulted, Informed
- ☐ Redesignable, Accessible, Collected, Informative
- ☐ Relatable, Agreeable, Commendable, Irascible
- ☐ Responsible, Accessible, Consulted, Improvised

✔ Correct

This is what the RACI acronym stands for, and refers to the types of responsibilities that can be assigned to personnel.

2. Which of the following describes extrajudicial judgment?

1 / 1 point

- ☐ Transferring defendants from one jurisdiction to another for trial.
- ☐ Unusual interpretation of law outside of its typical meaning.
- ☒ A ruling or scoring made outside of a court.
- ☐ Applying law from one jurisdiction within another.

✔ Correct

This may create *de facto* private law, which may create challenges to transparency and accountability.

3. Which of the following elements might be considered moderately affected in an Impact Level 2 Algorithmic Impact Assessment? (Select two.)

1 / 1 point

- ☐ A brief delay in the conveyance of a commercial transaction.
- ☒ The health and well-being of individuals or communities.

✔ Correct

This would be an area of concern for Impact Level 2.

☒ The rights of individuals or communities.

 **Correct**

This would be an area of concern for Impact Level 2.

☐ A loss of life resulting from specific circumstances.

4. Which of the following describes automation bias?

1 / 1 point

- ☐ Bias against automation by people worried about their jobs.
- ☒ Bias of people towards overly trusting in automation.
- ☐ Bias that is subconscious, committed during a state of automata.
- ☐ Bias enabled or perpetuated by machine learning.

 **Correct**

Automation bias involves giving automated systems an undue amount of credence or faith.

5. Which of the following are likely benefits of having defined organizational policies? (Select two.)

1 / 1 point

☒ It supports consistency of behavior and unification of culture.

 **Correct**

This is likely to be a benefit of defined policies.

☒ It supports accountability and makes it more explicit.

 **Correct**

This is likely to be a benefit of defined policies.

☐ It supports profitable research innovations and intellectual property.

☐ It supports improved sales and marketing results.

6. How might a non-stochastic decision tree be considered a black box algorithm?

1 / 1 point

- ☒ If the model is far too complex to be readily understood by human beings.
- ☐ If the algorithm serves as part of a data recorder.
- ☐ If the algorithm is contained within an embedded system.
- ☐ If the model is expressed in an annotated visual form.

 **Correct**

Complexity may create black box problems, along with stochasticity.

7. Which of the following are potential ethical benefits of conducting pilot testing prior to the release of emerging technologies? (Select two.)

1 / 1 point

☒ It reveals any gaps in accountability or auditability.

✓ **Correct**

A pilot test can uncover such issues early, before they become more difficult at a larger scale.

- ☐ It certifies that a product's developers are legally accountable.
- ☒ It minimizes the impact of any ethical issues which may emerge.

✓ **Correct**

A pilot test can uncover such issues early, before they become more difficult at a larger scale.

- ☐ It demonstrates that the system is functional as early as possible in order to satisfy senior management and investor stakeholders.

8. Which of the following are important steps to document during an auditing process? (Select two.)

1 / 1 point

- ☒ Document the audit procedures to be followed.

✓ **Correct**

Specifying audit procedures is an important part of documenting an auditing process.

- ☐ Provide significant advance notice before an audit.
- ☒ Specify and document what precisely is being audited.

✓ **Correct**

Specifying the scope of an audit is an important part of documenting an auditing process.

- ☐ Specify a purpose for the audit or an agenda to be covered.

9. Which of the following are common key performance indicators (KPIs) within dashboards of data-driven systems? (Select two.)

1 / 1 point

- ☐ Operating cashflow forecast
- ☐ Earnings before interest, taxes, depreciation, and amortization (EBITDA)
- ☒ Model training time

✓ **Correct**

Model training time is a common KPI in a dashboard of data-driven systems.

- ☒ Performance metrics, such as accuracy and cost functions

✓ **Correct**

Performance metrics such as accuracy and cost functions are common KPIs in a dashboard of data-driven systems.

10. Which of the following are likely examples of a leverageable third party data-driven or data-related product? (Select two.)

1 / 1 point

- ☒ Compiled models

✓ **Correct**

Compiled models are a common data-related third-party component.

Complex models are a common data-related third-party component.

- ☐ Management oversight
- ☐ Product design lifecycle
- ☒ Data annotation and augmentation tools



Correct

Data annotation and augmentation tools are a common data-related third-party component.