

✔ **Congratulations! You passed!**

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

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Explainable AI

Total points 3

1. Which ones of the following features are Responsible AI factors? (Select all that apply)

1 / 1 point

☒ Interpretability

✔ **Correct**

Correct! Interpretability is crucial for understanding how and why ML models make specific predictions and results. It can inevitably affect customers and other stakeholders' behavior, as they can question or challenge the model's decisions.

☐ Transparency

☒ Privacy

✔ **Correct**

That's right! Privacy is part of Responsible AI since training models, often using sensitive data, need privacy-preserving safeguards.

☒ Fairness

✔ **Correct**

That's right! Fairness is an essential factor to Responsible AI. The aim is to work towards fair and inclusive systems for all users.

2. DNNs can be fooled into misclassifying inputs with no resemblance to the true category. Regarding image classification, this can be done by:

1 / 1 point

☒ Generating adversarial images.

☐ Partial Deletion.

☐ Dimension Reduction

☐ Examples Imputation

✔ **Correct**

Spot on! The network's classification of any image into any target class can be changed by making mostly imperceptible alterations to the pixels.

3. If an ML model was trained with many examples from a particular group, _____.

1 / 1 point

☒ There would likely be greater certainty about its results for that group's examples.

☐ There would likely be less certainty about its results for examples from different groups.

☐ There would likely be less certainty about its results for that group's examples.

☐ There would likely be greater certainty about its results for examples from different groups.

✔ **Correct**

That's right! If a model is trained with a big enough number of examples from a particular group, there will be higher certainty about its results for that group's examples.