

# **Graded Soft/Hard Quiz**

## Graded Soft/Hard Quiz

Quiz, 4 questions

1  
point

1. Which library provides the most convenient way to perform matrix multiplication?

- ☐ Pandas
- ☒ Numpy
- ☐ Sklearn
- ☐ XGBoost

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2. Which libraries contain implementations of linear models?

- ☐ Pandas
- ☐ Numpy
- ☒ SkLearn
- ☐ Matplotlib
- ☒ tsne

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3. Which library (or libraries) are used to train a neural network?

- ☐ Numpy
- ☒ PyTorch
- ☐ Maptlotlib
- ☒ Keras
- ☒ TensorFlow
- ☐ T-SNE

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4. Select the correct statements about the RandomForest and GBDT models.

- ☒ In GBDT each new tree is built to improve the previous trees.
  - ☐ Trees in GBDT can be constructed in parallel (that is how XGBoost makes use of all your cores)
  - ☒ Trees in RandomForest can be constructed in parallel (that is how RandomForest from sklearn makes use of all your cores)
  - ☐ In RandomForest each new tree is built to improve the previous trees.
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