



Restricted Boltzmann Machines

LATEST SUBMISSION GRADE

100%

1. What is the main application of RBM?

1 / 1 point

- ☐ Collaborative filtering
- ☐ Feature extraction
- ☐ Data dimensionality reduction
- ☒ All of the above

✓ Correct

2. How many layers does an RBM (Restricted Boltzmann Machine) have?

1 / 1 point

- ☐ 3
- ☐ 4
- ☒ 2
- ☐ Infinte
- ☐ All of the above

✓ Correct

3. How does an RBM compare to a PCA?

1 / 1 point

- ☒ Both can regenerate input data
- ☐ PCA cannot generate original data
- ☐ PCA is another type of Neural Network
- ☐ RBM cannot reduce dimensionality
- ☐ All of the above

✓ Correct

4. Which statement is TRUE about RBM?

1 / 1 point

- ☐ At the hidden layer's nodes, X is multiplied by a W (weight matrix) and added to h_{bias} .
- ☐ For the visible layer's nodes, h is multiplied by a W (weight matrix) and added to v_{bias} .