Congratulations! You passed!

TO PASS 80% or higher



grade 100%

Restricted Boltzmann Machines

LATEST SUBMISSION GRADE 100%				
1.	What is the main application of RBM? Collaborative filtering Feature extraction Data dimensionality reduction All of the above ✓ Correct	1/1 point		
2.	How many layers does an RBM (Restricted Boltzmann Machine) have? 3 4 2 Infinte All of the above ✓ Correct	1/1 point		
3.	How does an RBM compare to a PCA? 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	1/1 point		
4.	 ✓ Correct Which statement is TRUE about RBM? At the hidden layer's nodes, X is multiplied by a W (weight matrix) and added to h_bias. Each node in the first layer has a bias. The RBM reconstructs data by making several forward and backward passes between the visible and hidden layers. It is a Boltzmann machine, but with no connections between nodes in the same layer. ♠ All of the above 	1/1 point		
5.	 ✓ Correct Which statement is TRUE statement about an RBM? The Positive phase of an RBM increases the probability of training data. The Negative phase of an RBM decreases the probability of samples generated by the model. Contrastive Divergence (CD) is used to approximate the negative phase of an RBM. The objective function is to maximize the likelihood of our data being drawn from the reconstructed data distribution. All of the above 	1 / 1 point		