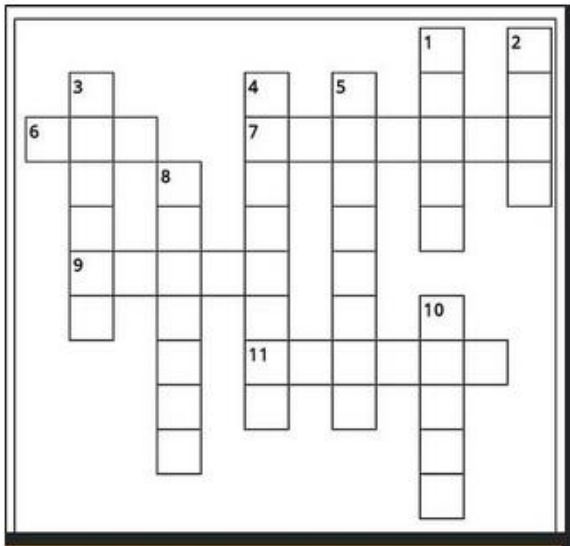
Machine Learning Word Puzzles



ACROSS

6. DEDICATED SILICON THAT IS DESIGNED FOR PROCESSING COMPUTER VISION MEDIA INCLUDING IMAGES AND VIDEO

7. A REGULARIZATION TECHNIQUE FOR NEURAL NETWORKS THAT PREVENTS OVERFITTING

9. A DEEP LEARNING FRAMEWORK DEVELOPED BY BERKELEY AI RESEARCH

11. PYTHON LIBRARY THAT ALLOWS YOU TO DEFINE, OPTIMIZE, AND EVALUATE MATHEMATICAL EXPRESSIONS

DOWN

1. AN UNSUPERVISED LEARNING ALGORITHM FOR OBTAINING VECTOR REPRESENTATIONS (EMBEDDINGS) FOR WORDS

2. INVENTED TO PREVENT THE VANISHING GRADIENT PROBLEM IN RECURRENT NEURAL NETWORKS BY USING A MEMORY GATING MECHANISM

3. A SOFTWARE LIBRARY THAT SPECIALIZES IN REAL-TIME COMPUTER VISION ALGORITHMS

4. A GRADIENT DESCENT BASED LEARNING ALGORITHM THAT ADAPTS THE LEARNING RATE PER PARAMETER OVER TIME

5. AN ALGORITHM AND TOOL TO LEARN WORD EMBEDDINGS BY TRYING TO PREDICT THE CONTEXT OF WORDS IN A DOCUMENT

8. USED TO CONVERT A VECTOR OF RAW SCORES INTO CLASS PROBABILITIES AT THE OUTPUT LAYER OF A NEURAL NETWORK USED FOR CLASSIFICATION

10. PERHAPS MOST COMMONLY USED IMAGE RECOGNITION DATASET

1. GLOVE
2. LSTM
3. OPENCV
4. ADADELTA
5.
6. GPU
7. DROPOUT
8. SOFTMAX
9. CAFFE
10. MNIST
11. THEANO