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| 1. The measure of difference between the estimated value from its true value is called**\_\_error\_\_\_\_\_** |
| 1. A Machine learning procedure with error detection and error correction mechanism is termed as \_\_**supervised machine learning\_\_\_\_\_** |
| 1. The average sum of absolute difference between the actual and predicted values is called \_mean absolute error\_\_\_\_\_\_ |
| 1. \_\_\_\_\_\_sigmoid\_function is used in Logistic Regression networks. |
| 1. \_\_\_supervised learning \_\_\_\_algorithm uses Perceptron Learning procedure |
| 1. \_\_\_\_unsupervised\_\_\_Training or Learning process group's the unstructured / Unlabeled data based on distinct features available within the data set |
| 1. Logistic regression is a probabilistic model that classifies the instances in terms of probabilities |
| 1. Shallow networks takes inputs has\_vectors\_\_\_ |
| 1. Activation function is used to calculate the Non-linearity\_\_\_\_\_\_\_of an artificial neural network |
| 1. Deep Learning is a subset of\_\_Machine learning\_\_\_\_\_ |
| 1. Probability is the science of quantifying\_\_\_uncertain things\_\_\_\_ |
| 1. \_\_delta learning law\_\_\_\_\_Learning law has faster convergence rate when compare with perceptron Networks |
| 1. The major draw back of BPN network is local\_minima\_\_\_\_\_\_ |
| 1. L1 regularization attempts to estimate the \_\_\_median\_\_\_\_of the Data |
| 1. \_\_l2\_\_\_\_\_regularization is not recommended for feature selection |
| 1. \_\_\_batch normalization\_\_\_\_is a method of adaptive reparameterization |
| 1. Deep Learning networks can have inputs in the form of texts as well as\_\_\_\_images\_\_\_ |
| 1. VC dimensions is used to measure the probabilities of the model/algorithm |
| 1. GAN uses\_\_\_\_unsupervised\_\_\_learning |
| 1. \_\_\_\_\_\_\_is used to reduce the dimensionality of each feature map obtained by convolution process |
| 1. Inception Net is also known as\_\_GoogleNet\_\_\_\_\_ |
| 1. \_\_\_\_priciple component analysis\_\_\_is a method which uses simple matrix operations and statistics to calculate a projection of the original data into the same number or fewer dimensions |
| 1. In LDA the decision boundary is \_\_linear\_\_\_\_\_ |
| 1. The \_\_\_\_\_auto encoder\_\_learns a representation (encoding) for a set of data, by training the network to ignore insignificant data (“noise”). |
| 1. Alex net has \_3\_\_\_\_\_\_ number of fully connected(FC) layers |
| 1. \_\_\_alexnet\_\_\_\_ architecture contains two(2) Dropout layers |
| 1. In total there are \_\_62.3\_\_\_\_\_ Million parameters present in VGG Net |
| 1. \_\_\_\_resnet\_\_\_uses SKIP Connections concept |
| 1. \_\_\_hyper\_\_\_\_parameters are set by the engineer before training |
| 1. In Alex net the Fully connected layers userelu\_\_\_\_\_\_\_ activation function |
| 1. In biological neural system, \_\_neurons\_\_\_\_\_acts as the collecting point for signals coming from different organs |
| 1. \_\_\_\_axon\_\_\_ is responsible for signal transmission at the synaptic gap present between two biological neural cells |
| 1. A combination of Deep Learning and Reinforcement Learning is known as\_\_\_deep reinforcement learning\_\_\_\_ |
| 1. In Reinforcement learning , \_\_\_\_Reward()\_\_\_ is the feedback by which we measure the success of an agent’s actions in a given state |
| 1. Spatial Transformer Network is composed of Localisation net,Grid Generator and\_\_\_sampler\_\_\_\_ |
| 1. A spatial Transformer network can Transform,Crops out and \_\_\_\_scale normalizes\_\_\_ the region of interest given input image |
| 1. In a LSTM model\_\_\_sigmoid functio\_\_\_\_ gate determines for what extent to forget the previous data |
| 1. \_\_\_sigmoid gate\_\_\_\_determines the extent of information be written onto the Internal Cell State of a LSTM Model |
| 1. The optimization algorithm which minimizes the convex function is called\_\_\_convex optimization\_\_\_\_ |
| 1. A non convex optimization problem is where the objective function is of\_\_\_non convex\_\_\_\_type |
| 1. \_\_\_\_\_imagenet\_\_ is a Image database which has millions of Images organised as per Wordnet Hierarchy |
| 1. When all the information required to generate the data is stored in the parameter of the model , then the model is called\_\_\_Model Parameter \_\_\_\_ |
| 1. \_\_wavenet\_\_\_\_\_ is a Deep neural network used for generating raw audio signals |
| 1. Wavenet is a\_\_generative\_\_\_\_\_ model which is trained on Speech samples |
| 1. \_natural lanagauage processing\_\_\_\_\_\_ is based on interactions between computer and Human Languages |
| 1. \_\_\_\_speech segmation \_\_\_ segmentation is the subtask of Speech Recognition |
| 1. \_lemmatization\_\_\_\_\_\_ technique checks the meaning of the word |
| 1. \_word2vec\_\_\_\_\_\_is an algorithm used to produce distributed representations of word or a text |
| 1. \_skimgram \_\_\_\_\_\_ type of word2vec attempts to predict the immediate neighbors of a given word |
| 1. \_\_image captioning\_\_\_\_\_is the process of generating textual description of an image |