MACHINE LEARNING

1. A
2. A
3. B
4. B
5. C
6. C
7. D
8. A
9. A
10. B
11. A
12. A,B,C
13. In Machine Learning, Regularization is a process of adding an additional penalty term in the error function for tuning the function. The additional penalty term in the error function controls the excessively fluctuating function and avoid the coefficients take extreme values. In short, Regularization is used to solve an ill-posed problem or to prevent overfitting.
14. There are two main regularization techniques, namely: Ridge Regression (L2 Norm) Lasso (L1 Norm) Dropout L1 regularization gives output in binary weights from 0 to 1 for the model's features and is adopted for decreasing the number of features in a huge dimensional dataset. L2 regularization disperse the error terms in all the weights that leads to more accurate customized final models.
15. Within a linear regression model tracking a stock's price over time, the error term is the difference between the expected price at a particular time and the price that was actually observed. ... The error term stands for any influence being exerted on the price variable, such as changes in market sentiment.