Machine Learning Worksheet-1

1) B
2) C
3) B
4) C
5) B
6) A
7) A
8) B
9) A&B
10) A&C (High Bias means model is not able to capture the patterns in the data and High variance means model passes through most of the points.)
11) C&D

Question 12) Which regression model can we use if we have a training set with millions of feature?

Answer. Stochastic gradient and mini batch gradient would work better than batch gradient as the later uses all the datasets which could make the model bulky.

Question 13) Which algorithms will not suffer or might suffer, if the features in training set have very different scales?

Answer. The gradient algorithms will suffer the most as the model will take a longer time to reach the global maximum. However, normal equation methods do not require normalising the features so they would remain unaffected.