

## Machine Learning Worksheet - 1

1. A
2. A
3. B
4. C
5. C
6. D
7. D
8. D
9. A
10. A
11. B
12. B,C

13. This is a form of regression, that constrains/ regularizes or shrinks the coefficient estimates towards zero. In other words, this technique discourages learning a more complex or flexible model, so as to avoid the risk of overfitting.
14. Algorithms used for regularisation - Ridge Regression and Lasso Regression
15. The standard error of the regression (S), also known as the standard error of the estimate, represents the average distance that the observed values fall from the regression line. Conveniently, it tells you how wrong the regression model is on average using the units of the response variable.