**Report Introduction to Data Science – Assignment 5**

**Linear regression**

**Exercise 1**

The weights for first-feature training set are: [ 5.20 0.05]

The weights for 12-features training set are: [5.16e+01 1.95e-02 -1.06e+00 2.58e-02 5.02e-02 -2.75e+00 5.65e-03 -3.80e-03 -4.72e+01 -4.26e-01 8.50e-01 2.37e-01]

**Exercise 2**

The rmse for one feature test set is: 0.78

The rmse for all features test set is: 0.64

**Random forest**

**Gradient descent**

**Logistic Regression**