Math 32 Lab 11

Linear Regression Model - Assignment #1

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Goal of this linear regression model was to show that the two predictors (cement and water) was linearly related to the data provided. The objective of the linear model was to have the plots grouped around the line of best fit and to minimize the squared error. With the sample data provided, the plots were correlated but not linearly related.

plot(y, predict( mylm ))​ - plotting y-data and the predicted values with both the predictors

plot(ytest, predict(mylm, newdata = xtest))​ - plotting values of ytest ( given) and the predictions of the new values of x in xtest