**ROB313 Assignment 2**

1. **Assignment Objectives**

The objectives of Assignment 2 are as follows:

1. FILL IN
2. **Question 1 – Tikhonov Regularization**
   1. **Expression for the weights of the given generalized linear model (Q1)**

Text, letter

Description automatically generated

1. **Question 2 – Generalized Linear Model** 
   1. **Estimation of α (Q2)**

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Description automatically generated

* 1. **Comparison to dual representation in class (Q2)**

The dual representation found in class obtains the result **α** = (**K** + λ**I**)-1**y**. This is different from the result for α obtained above because…

1. **Question 3 – Radial Basis Function (RBF) Model**
   1. **Code Structure Overview & Implementation Strategies (Q3)**
   2. **Results (Q3)**
2. **Question 4 – Greedy Regression Algorithm**
   1. **Code Structure Overview & Implementation Strategies (Q4)**
   2. **Results (Q4)**