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Classification and prediciton modelling of THE TORONTO police bikes theft data set

group 2

# Executive Summary:

The problem we are aiming to solve through the analysis of the Toronto Police Bike Thefts dataset is to predict if a certain bike that is stolen is likely to be returned or not. The solution we came up with was to create a decision tree that would classify if a bike would be returned based of 75 features from that were extracted from the data set. What we found was that 99% of bikes stolen were not returned and that a wide variety of bikes are targeted in the city of Toronto.

**Key Findings:**