# **Assignment 2:Data Modelling and Presentation**

**Prediction of Heart Failure Survival**

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| We certify that this is all our own original work. If we took any parts from elsewhere, then they were non-essential parts of the assignment, and they are clearly attributed in our submission. We will show we agree to this honor code by typing "Yes": *Yes*. |

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**Abstract/Executive Summary**

Heart failure occurs when the blood pumped by the heart is not enough to satisfy the needs of a person. In North America, approximately 379,800 people have died in 2018 due to heart failure. There are several factors that can show impact on how our heart operates. These factors can be helpful in identifying potentially high risked heart failure patients. Machine learning is a tool that can be utilised to predict whether a patient can survive a heart failure and can identify important features/body factors that have a link to heart failure. For this study, we will be using two prediction classification models, kNN and Decision Tree.