Cleveland analysis

* Feature selection (firtst five most important)

Laddist – “distal left anterior descending artery” seems to be one of the most important features. Indeed, it is part of the left main coronary artery (LAD), considered the most important because it supplies more than half of the blood to the heart.

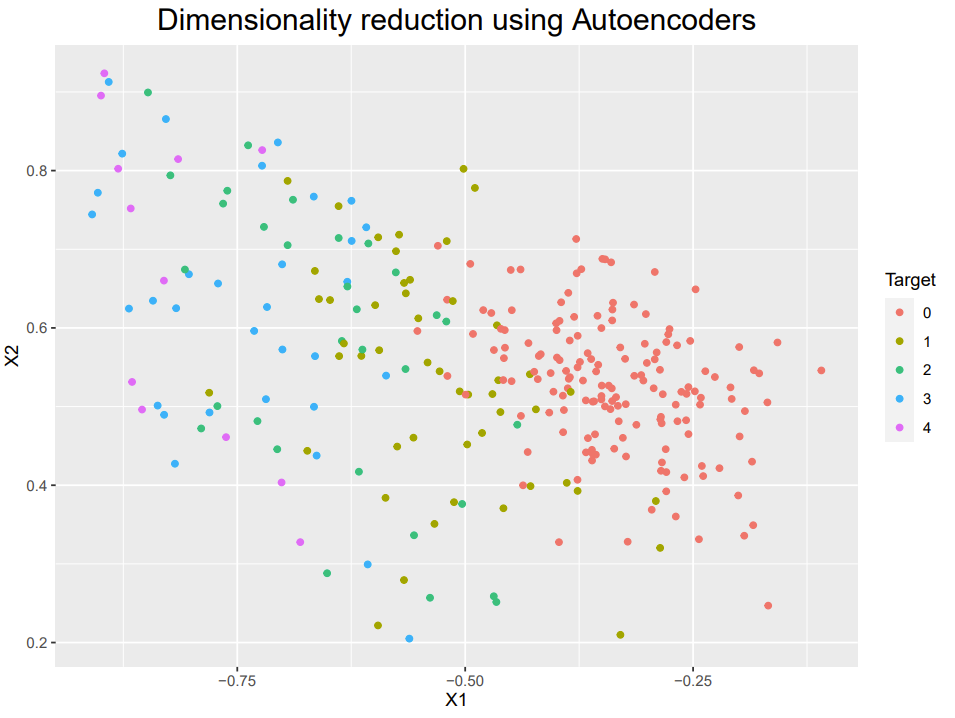
Thal – “exercise thallium scintigaphy” is a diagnostic method of nuclear medicine which enables visualization of well perfused and vital tissue of myocardium by means of 201thallium absorbed by its cells. This method is used to evaluate the character of soft tissue lesions. The feature is divided into three categories from normal to defect.

Om1 – “first obtuse marginal branch” is also an important vessel that is part of the left main coronary artery (LAD).

Ca – “number of major vessels”.

Rcaprox – “proximal right coronary artery” is part of the right coronary artery (RCA) in contrast to LAD.

* Autoencoders



Hungary analysis

* Feature selection (firtst five most important)

Cp – “chest pain” seems to be selected as the most important feature. It is divided into four categories: type: 1 = typical angina; 2 = atypical angina; 3 = non-angina pain; 4 = asymptomatic.

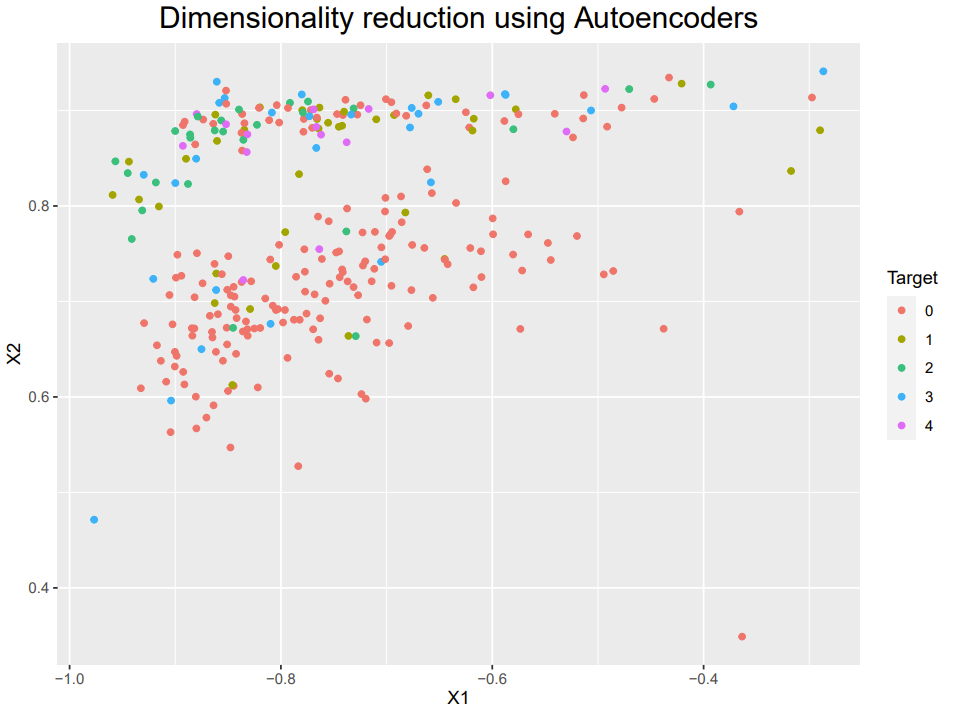
Painexer – “pain provoked by exertion”. It is divided into two categories: 1 if the patient felt pain during effort, 0 otherwise.

Oldpeak – “exercise-induced ST depression relative to rest” is an exercise electrocardiography test in order to evaluate whether the trace in the ST segment is abnormally low below the baseline which is often a sign of myocardial ischemia.

Lvx4 – not used / not described / no information regarding this feature.

Exang – “Exercise-induced angina”. It is divided into two categories: 1 if yes, 0 otherwise.

* Autoencoders



Switzerland analysis

* Feature selection (firtst five most important)

Cxmain – “circumflex”. It is another vessel that is part of the left main coronary artery (LAD), considered the most important because it supplies more than half of the blood to the heart.

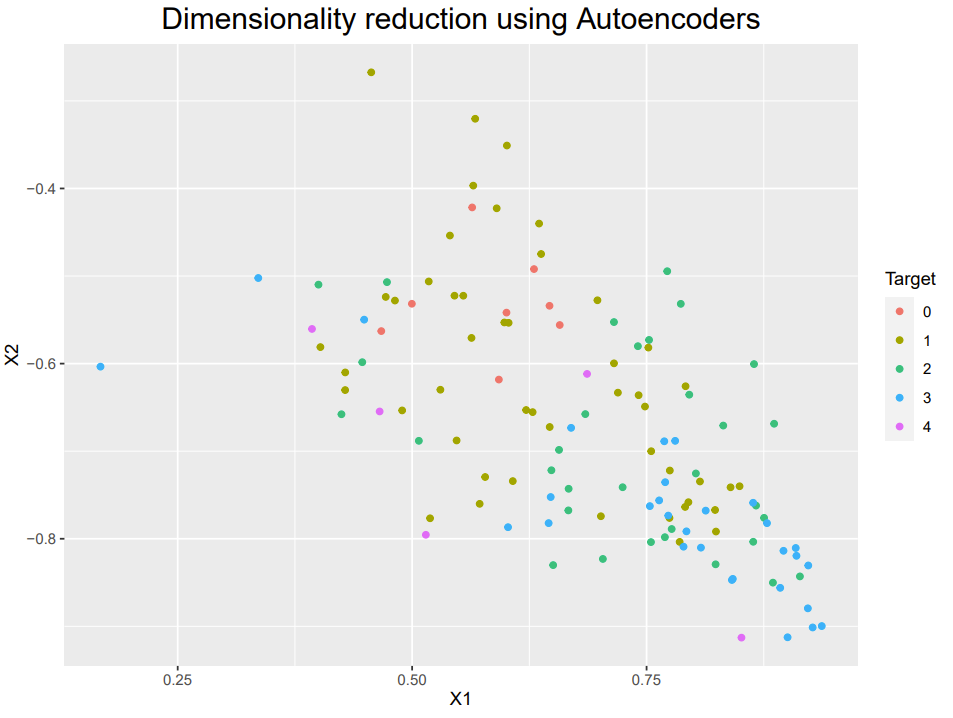
ID – not relevant.

Thalach – “maximum heart rate achieved” refers to the maximum heart rate achieved during thalium stress test. At first sight, we might suppose that the maximum heart rate is lower for those diagnosed with heart diseases. Indeed, it seems logical to assume that a higher rate indicates a satisfactory heart condition since it managed to increase its rate to such a level during the stress test.

Tpeakbps – “peak exercise systolic blood pressure”.

Age – “age of the patients”.

* Autoencoders



Long Beach analysis

* Feature selection (firtst five most important)

Rcaprox – “proximal right coronary artery” is part of the right coronary artery (RCA) in contrast to LAD.

Ladprox – “proximal left anterior descending artery” which is part of LAD.

Cxmain – “circumflex”. It is another vessel that is part of the left main coronary artery (LAD), considered the most important because it supplies more than half of the blood to the heart.

ID – not relevant.

Cday – “day of cardiac catheterization”. Not relevant.

* Autoencoders

