# COS30018 Assignment B – Task 2

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I created a new Python file with the following new function:

A computer screen with text

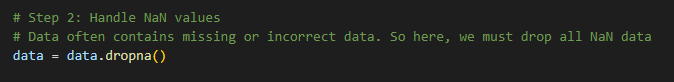
Description automatically generated

Firstly the user inputs the start and end dates for the sampling period

Then it will create a file path that will be used to either retrieve or save a data file

A screen shot of a computer code

Description automatically generated

To deal with any NaN records, we drop those values:  
  
  
  
Then the user can choose how the data will be split out of ratio, random or from a specific date into the training and test data sets

A screen shot of a computer program

Description automatically generated

Then we scale the data so that all features fit within a specific range. This should enhance the performance of the model in recognising and being able to predict patterns in the data.

A computer code on a black background

Description automatically generated

Here is the function being used in the main script:  
A screen shot of a computer program

Description automatically generated

Proof that the code still executes and works:  
  
A screenshot of a computer

Description automatically generated