LAB Logbook

Lab 1

The pandas read\_csv() function is an important function in pandas as it allows input from csv file into a pandas data frame.

The pd.info() function is a useful function as it shows information about the columns in the data frame for example the datatype

The pd.merge() function is a useful pandas class as it allows the merging of 2 data frames into one.

The pd.Values() function is a useful class as it allows you to see the values in a certain data frame column.

The pd.as\_type() function is important as it allows you to set certain columns to only receive certain datatypes for example date and time can be set to datetime data type..

Lab 2

A graph with blue dots

AI-generated content may be incorrect.

Lab 3

**Z score**

A grey and blue dotted line

AI-generated content may be incorrect.

**IQR**

A graph showing a number of dots

AI-generated content may be incorrect.

Lab 4

A graph of a graph

AI-generated content may be incorrect.

A close up of words

AI-generated content may be incorrect.

Lab 5

A screenshot of a computer screen

AI-generated content may be incorrect.

Lab 6

A graph with a line graph and a line graph

AI-generated content may be incorrect.

Lab 7

A screenshot of a computer screen

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A red and yellow logo

AI-generated content may be incorrect.



Lab 8

Partner name: Jon Potson

p=7

g=9

s=1

my private key = 49

Lab 9

Microsoft exchange server hack (2021)

<https://ieeexplore.ieee.org/document/9854268>

Lab 10

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Lab 11

A graph of different colored bars

AI-generated content may be incorrect.

GitHub Repository for lab code

<https://github.com/Freddie-Faulkner03/AI-Cyber-Labs>