LAB Logbook

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Github Link: https://github.com/DAN-BIWOTT/Machine-Learning-in-Cyber-Security

Lab 1

**LOG REQUIREMENT:** *Write one sentence each for any of the five Pandas classes you find interesting.*

1. **DataFrame** – A table with rows and columns, like an Excel sheet.
2. **Series** – A single column of data with labels, like a list with names.
3. **Index** – Labels for rows and columns that help find data quickly.
4. **Categorical** – A way to store repeating values efficiently, saving space.
5. **DatetimeIndex** – A special list for dates and times, useful for tracking events.

Lab 2

Lab 3

Lab 4

Lab 5

Lab 6

Lab 7

Lab 8

Lab 9

Lab 10

Lab 11

Lab 12