LAB Logbook

GITHUB Link - <https://github.com/Keerthana427-hub/Cyber-security-and-AI> (All 10 labs)

Lab 1

**DataFrame** – The core Pandas class that represents tabular data in rows and columns, much like a spreadsheet or SQL table.

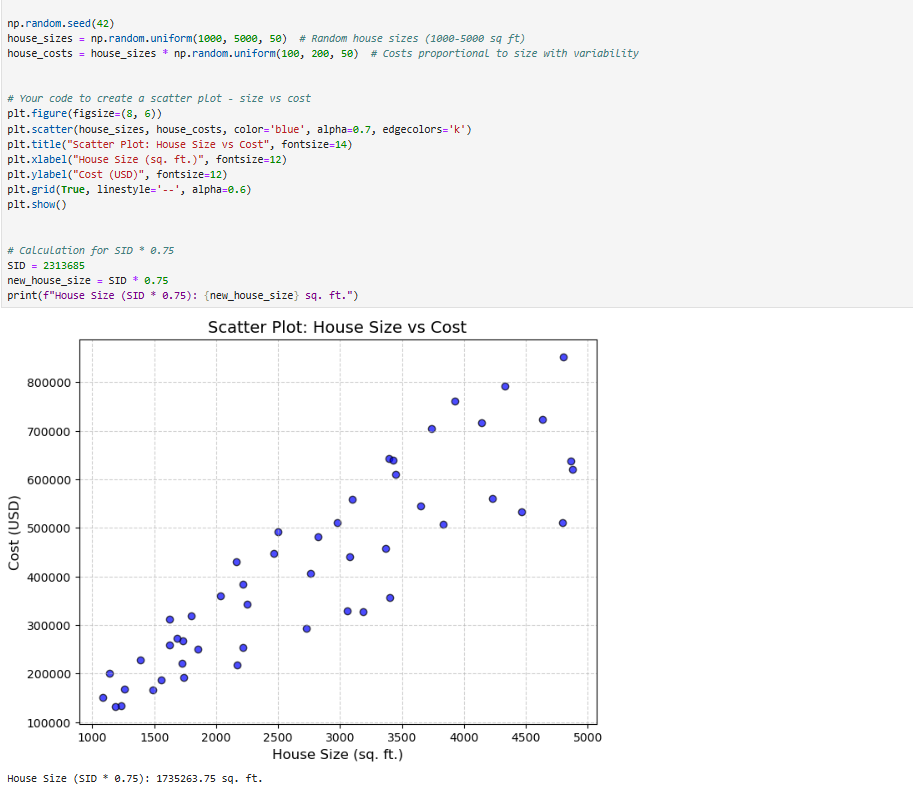
**Series** – A one-dimensional labeled array that can hold any data type, often used to represent a single column or row from a DataFrame.

**Index** – An immutable array used to label the axes of Series or DataFrames, enabling fast lookups and alignment.

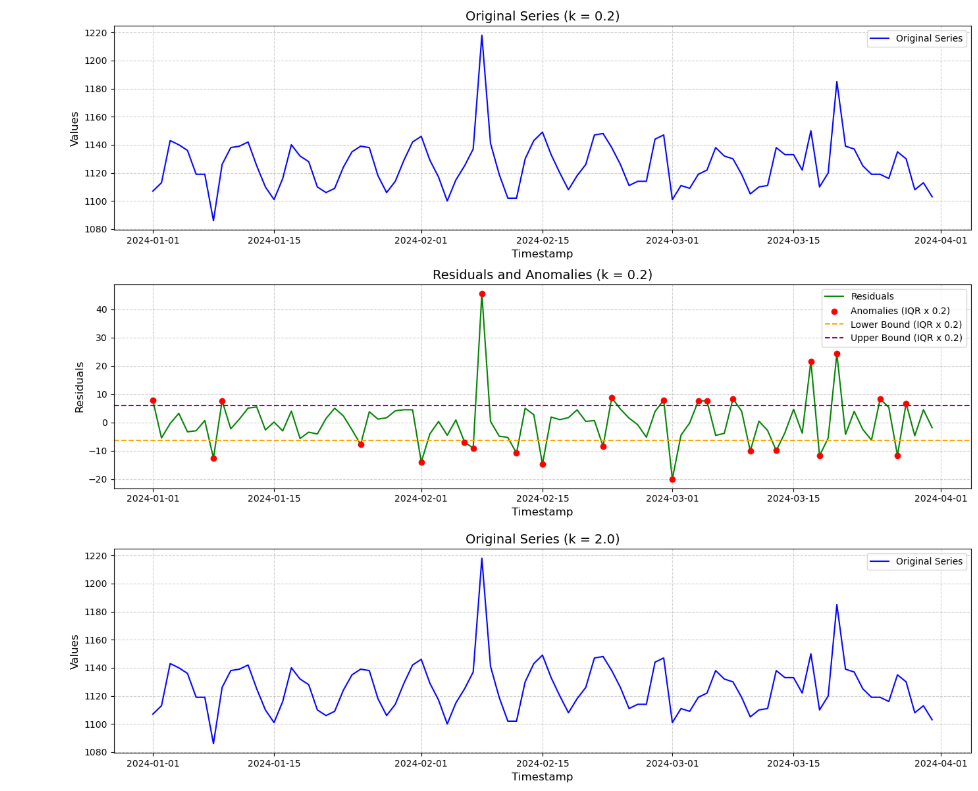
**Categorical** – A class that represents a variable with a fixed number of possible values (categories), useful for memory-efficient encoding of repeated labels.

**Timestamp** – A class for representing individual points in time, offering powerful date-time functionality for time series analysis.

Lab 2

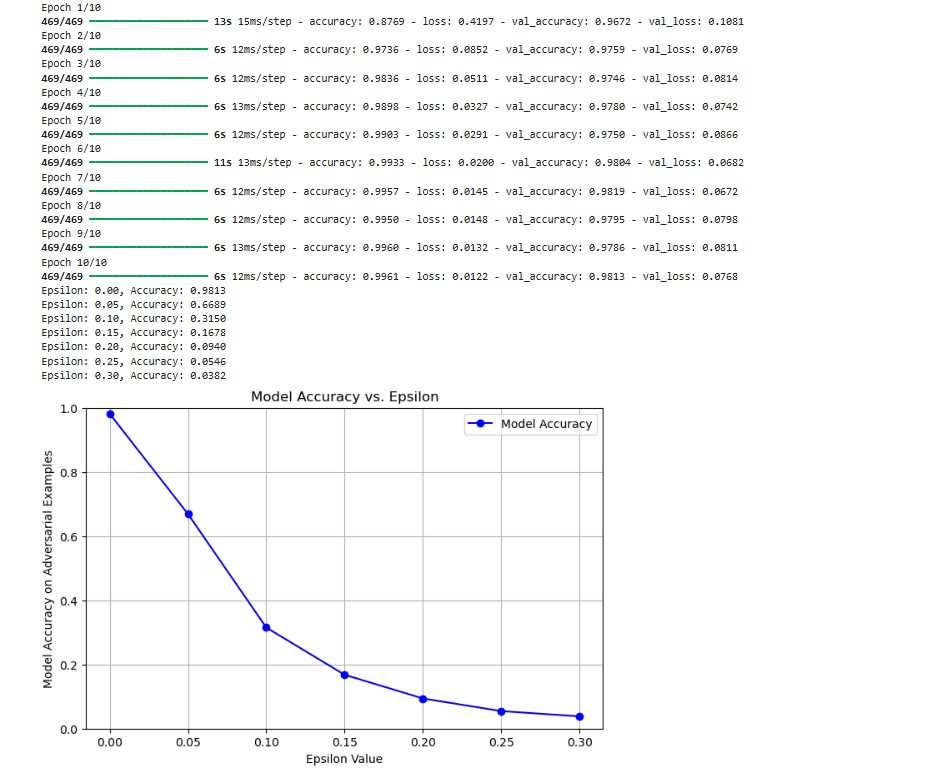


Lab 3

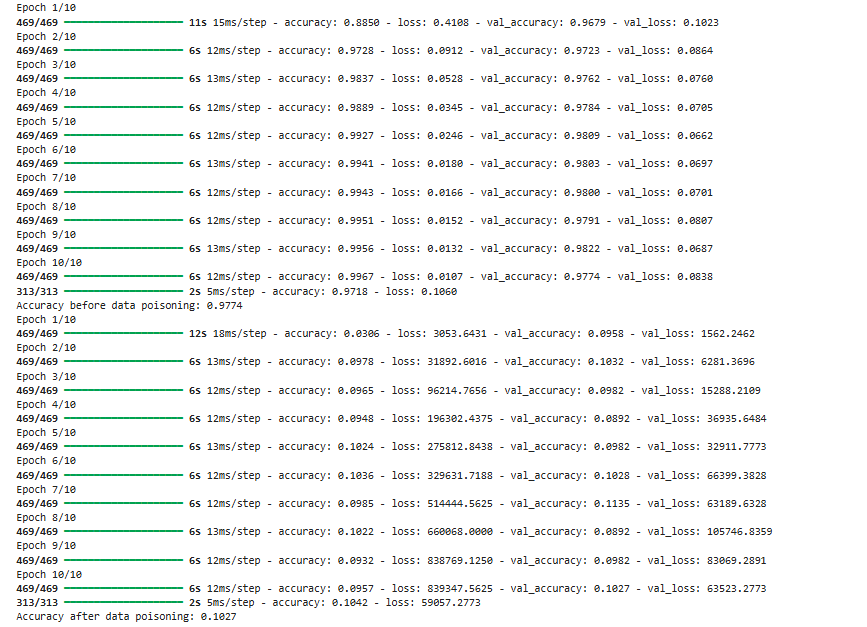




Lab 4







Lab 5

A screenshot of a computer program

AI-generated content may be incorrect. A screenshot of a computer

AI-generated content may be incorrect.

Lab 7

A close up of a text

AI-generated content may be incorrect.

A close-up of a television screen

AI-generated content may be incorrect. A close-up of words

AI-generated content may be incorrect.

YES

Lab 8

Partner’s name - Vishnu

A black text on a white background

AI-generated content may be incorrect.

Lab 9

A screenshot of a computer error

AI-generated content may be incorrect.

Lab 10

A graph of different colored bars

AI-generated content may be incorrect.

Lab 11

A graph of different colored bars

AI-generated content may be incorrect.

Lab 12

No Activity for Lab Logbook (Exam)