TEB2164 Introduction to Data Science
Lab 7b- Create, display, access and modify using data frame

Learning Outcomes

At the end of the session, you will be able to:

- Importing data (from excel/csv to data frame)
- Exporting data (save into excel/csv)
- Managing NA/empty cells in data frame
- Filtering, searching, and arranging data using data frame

Activity

1. Import files of 'uforeport.xls' and 'titanic.csv' from Lab7a and clean the data.

uforeport.xls

	City	Colors Reported	Shape Reported	State	Time
1	Ithaca	NA	TRIANGLE	NY	9502.9166666666661
2	Willingboro	NA	OTHER	NJ	6/30/1930 20:00
3	Holyoke	NA	OVAL	CO	2/15/1931 14:00
4	Abilene	NA	DISK	KS	9867.5416666666661
5	New York Worlds Fair	NA	LIGHT	NY	4/18/1933 19:00
6	Valley City	NA	DISK	ND	9/15/1934 15:30
7	Crater Lake	NA	CIRCLE	CA	6/15/1935 0:00

titanic.csv

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
1	0	3	male	22.0	1	0	7.2500	S	Third	man	True		Southampton	no	False
2	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
3	1	3	female	26.0	0	0	7.9250	S	Third	woman	False		Southampton	yes	True
4	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
5	0	3	male	35.0	0	0	8.0500	S	Third	man	True		Southampton	no	True
6	0	3	male	NA	0	0	8.4583	Q	Third	man	True		Queenstown	no	True
7	0	1	male	54.0	0	0	51.8625	S	First	man	True	E	Southampton	no	True

2. Create a report to conclude your observation and get as many insights as possible from **both datasets**? You are required to use all libraries that you have learn in Lab7a.
    a. Report formatting is based on your creativity.
    b. Example of expected output:
        i. 80% who embark from Cherbourg survived and 25% are from Third Class

Submission

- Submit to your GA.