



मौलाना आज़ाद
राष्ट्रीय प्रौद्योगिकी संस्थान भोपाल (म.प्र.) भारत
MAULANA AZAD
NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL (M. P.) INDIA

Data Warehousing & Mining Lab

Assignment

Lab - 9

Sub Code: CSE-326

Date: 13-04-2022

Vivek Kumar Ahirwar
191112419
CSE - 3

Department:
Computer Science and Engineering

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A. Method 1

i. Read CSV File

Method 1

```
[1] 1 !git clone https://github.com/singkhushi25/6semdata.git
```

fatal: destination path '6semdata' already exists and is not an empty directory.

Read CSV File

```
[2] 1 import pandas as pd
```

```
[3] 1 df = pd.read_csv('/content/6semdata/titanic.csv')
```

```
[4] 1 df.head()
```

	pclass	survived	name	sex	age	sibsp	parch	ticket	fare	cabin	embarked	boat	body	home.dest
0	1.0	1.0	Allen, Miss. Elisabeth Walton	female	29.0000	0.0	0.0	24160	211.3375	B5	S	2	NaN	St Louis, MO
1	1.0	1.0	Allison, Master. Hudson Trevor	male	0.9167	1.0	2.0	113781	151.5500	C22 C26	S	11	NaN	Montreal, PQ / Chesterville, ON
2	1.0	0.0	Allison, Miss. Helen Loraine	female	2.0000	1.0	2.0	113781	151.5500	C22 C26	S	NaN	NaN	Montreal, PQ / Chesterville, ON
3	1.0	0.0	Allison, Mr. Hudson Joshua Creighton	male	30.0000	1.0	2.0	113781	151.5500	C22 C26	S	NaN	135.0	Montreal, PQ / Chesterville, ON
4	1.0	0.0	Allison, Mrs. Hudson J C (Bessie Waldo Daniels)	female	25.0000	1.0	2.0	113781	151.5500	C22 C26	S	NaN	NaN	Montreal, PQ / Chesterville, ON

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ii. Read Excel File

Read Excel file

```
[5] 1 import xlrd
```

```
[6] 1 xl = xlrd.open_workbook('/content/6semdata/titanic (3).xls')
```

```
[7] 1 sheet = xl.sheet_by_index(0)
2
3 sheet.cell_value(0,0)
4
5 for i in range(sheet.ncols):
6     print(sheet.cell_value(0,i))
```

pclass
survived
name
sex
age
sibsp
parch
ticket
fare
cabin
embarked
boat
body
home.dest

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B. Method 2

iii. Read CSV file

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File Edit View Insert Runtime Tools Help All changes saved

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Method 2

Read CSV File

```
[8] 1 from google.colab import files
    2 import pandas as pd
```

```
[9] 1 uploaded = files.upload()
```

Choose files titanic.csv

- titanic.csv(text/csv) - 85234 bytes, last modified: 14/04/2022 - 100% done

Saving titanic.csv to titanic (1).csv

```
[10] 1 df1 = pd.read_csv('titanic.csv')
```

```
1 df1.head()
```

	pclass	survived	name	sex	age	sibsp	parch	ticket	fare	embarked		
0	1.0	1.0	Allen, Miss. Elisabeth Walton	female	29.0000	0.0	0.0	24160	211.3375	S		
1	1.0	1.0	Allison, Master. Hudson Trevor	male	0.9167	1.0	2.0	113781	151.5500	S		
2	1.0	0.0	Allison, Miss. Helen Loraine	female	2.0000	1.0	2.0	113781	151.5500	S		
3	1.0	0.0	Allison, Mr. Hudson Joshua Creighton	male	30.0000	1.0	2.0	113781	151.5500	S		
4	1.0	0.0	Allison, Mrs. Hudson J C (Bessie Waldo Daniels)	female	25.0000	1.0	2.0	113781	151.5500	S		

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iv. Read Excel file

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File Edit View Insert Runtime Tools Help All changes saved

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Read Excel File

```
[12] 1 upload = files.upload()
```

Choose files titanic.xls

- titanic.xls(application/vnd.ms-excel) - 277504 bytes, last modified: 15/02/2022 - 100% done

Saving titanic.xls to titanic (1).xls

```
[13] 1 xl1 = xlrd.open_workbook('titanic.xls')
```

```
[14] 1 sheet = xl1.sheet_by_index(0)
    2
    3 sheet.cell_value(0,0)
    4
    5 for i in range(sheet.ncols):
    6     print(sheet.cell_value(0,i))
```

pclass
survived
name
sex
age
sibsp
parch
ticket
fare
cabin
embarked
boat
body
home.dest

0s completed at 17:20