

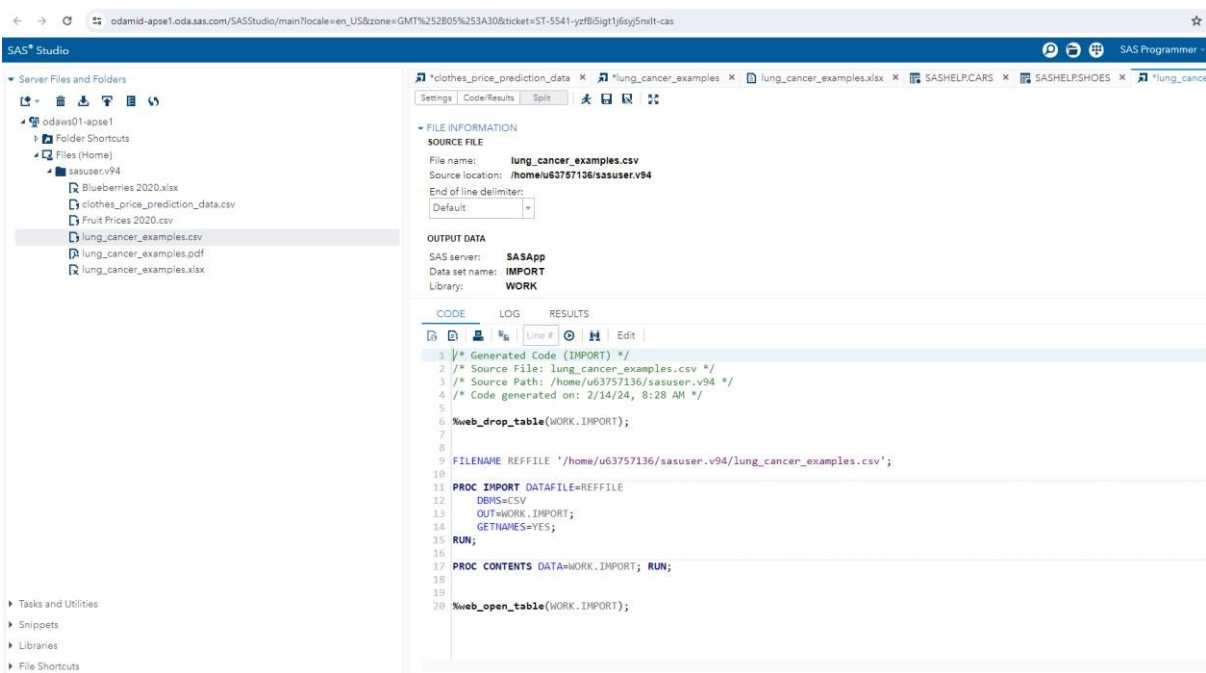
Experiment No:1

Aim:

Importing data in SAS from Excel and CSV file.

Implementation:

Import from CSV:



The CONTENTS Procedure			
Data Set Name	WORK.IMPORT	Observations	59
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	02/14/2024 08:34:32	Observation Length	64
Last Modified	02/14/2024 08:34:32	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	2043
Obs in First Data Page	59
Number of Data Set Repairs	0
Filename	/saswork/SAS_workF458000100F0_odaws02-apse1.oda.sas.com/SAS_work490F000100F0_odaws02-apse1.oda.sas.com/import.sas7bdat
Release Created	9 0401M7
Host Created	Linux
Inode Number	1852063
Access Permission	rw-r--r--
Owner Name	u63757136
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
3	Age	Num	8	BEST12.	BEST32.
6	Alkhol	Num	8	BEST12.	BEST32.
5	AreaQ	Num	8	BEST12.	BEST32.
1	Name	Char	12	\$12.	\$12.
7	Result	Num	8	BEST12.	BEST32.
4	Smokes	Num	8	BEST12.	BEST32.
2	Surname	Char	11	\$11.	\$11.

CODE

LOG

RESULTS

OUTPUT DATA

Table:

WORK.IMPORT

View:

Column names

Filter: (none)

Columns

Select all

Name

Surname

Age

Smokes

AreaQ

Alkhol

Result

Property

Value

Label

Name

Length

Type

Format

Informat

Total rows: 59

Total columns: 7

Rows 1-59

	Name	Surname	Age	Smokes	AreaQ
1	John	Wick	35	3	5
2	John	Constantine	27	20	2
3	Camela	Anderson	30	0	5
4	Alex	Telles	28	0	8
5	Diego	Maradona	68	4	5
6	Cristiano	Ronaldo	34	0	10
7	Mihail	Tal	58	15	10
8	Kathy	Bates	22	12	5
9	Nicole	Kidman	45	2	6
10	Ray	Milland	52	18	4
11	Fredric	March	33	4	8
12	Yul	Brynnner	18	10	6
13	Joan	Crawford	25	2	5
14	Jane	Wyman	28	20	2
15	Anna	Magnani	34	25	4
16	Katharine	Hepburn	39	18	8
17	Katharine	Hepburn	42	22	3
18	Barbra	Streisand	19	12	8
19	Maggie	Smith	62	5	4

Import from Excel:

SAS® Studio

Server Files and Folders

odaws01-apse1

Folder Shortcuts

Files (Home)

sasuser.v94

Blueberries 2020.xlsx

clothes_price_prediction_data.csv

Fruit Prices 2020.csv

lung_cancer_examples.csv

lung_cancer_examples.pdf

lung_cancer_examples.xlsx

Tasks and Utilities

Snippets

Libraries

File Shortcuts

rdiction_data lung_cancer_examples lung_cancer_examples.xlsx SASHELP.CARS SASHELP.SHOES lung_cancer_examples

Settings Code/Results Split

FILE INFORMATION

SOURCE FILE

File name: Blueberries 2020.xlsx

Source location: /home/u63757136/sasuser.v94

Worksheet name: First worksheet

OUTPUT DATA

SAS server: SASApp

Data set name: IMPORT1

Library: WORK

CODE LOG RESULTS

Line # Edit

1 /* Generated Code (IMPORT) */

2 /* Source File: Blueberries 2020.xlsx */

3 /* Source Path: /home/u63757136/sasuser.v94 */

4 /* Code generated on: 2/14/24, 8:36 AM */

5

6 %web_drop_table(WORK.IMPORT1);

7

8

9 FILENAME REFFILE '/home/u63757136/sasuser.v94/Blueberries 2020.xlsx';

10

11 PROC IMPORT DATAFILE=REFFILE

12 DBMS=XLSX

13 OUT=WORK.IMPORT1;

14 GETNAMES=YES;

15 RUN;

16

17 PROC CONTENTS DATA=WORK.IMPORT1; RUN;

18

19

20 %web_open_table(WORK.IMPORT1);

Table of Contents

The CONTENTS Procedure			
Data Set Name	WORK.IMPORT1	Observations	8
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	02/14/2024 08:37:09	Observation Length	488
Last Modified	02/14/2024 08:37:09	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	288
Obs in First Data Page	8
Number of Data Set Repairs	0
Filename	/saswork/SAS_workF458000100F0_ods02-apse1.oda.sas.com/SAS_work490F000100F0_ods02-apse1.oda.sas.com/import1.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	1882079
Access Permission	rw-r--r--
Owner Name	u63757136
File Size	296KB
File Size (bytes)	282144

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
2	B	Char	21	\$21.	\$21.	B
1	Blueberries—Average retail pri	Char	370	\$370.	\$370.	Blueberries—Average retail price per pound and per cup equivalent, 2020
3	C	Char	10	\$10.	\$10.	C
4	D	Char	24	\$24.	\$24.	D
5	E	Char	25	\$25.	\$25.	E
6	F	Char	8	\$8.	\$8.	F
7	G	Char	32	\$32.	\$32.	G

Table: WORK.IMPORT1 View: Column names Filter: (none)

Columns Select all

Blueberries—Average retail pri

B

C

D

1 Form Average retail price Preparation yield factor

2 Fresh1 4.1738588292675 per pound 0.95

3 Frozen2 3.38963003187356 per pound 1

4 1The USDA National Nutrient Database for Standard Reference (SR) reports th

5 2Excludes blueberries with added sugar or other sweeteners. Includes unswe

6 Source: USDA, Economic Research Service calculations from 2020 Circana (fo

Conclusion:

In this experiment, we studied and implemented proc and data steps in SAS. We discussed their uses and implemented them successfully in importing data from Excel and CSV file.