

# STA 5104 Assignment #1

Due Date: January 23, 2024

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## PART I (5 Points)

All teams must have SAS installed either through the UCF APP or the Data Science Lab. The team captain is responsible for ensuring that all team members have the installation in place and reporting the outcome.

## PART II (15 Points)

### Problem #1 (5 Points)

Run all programs in Lecture #2 and report any issues encountered.

- No Errors Slide #s: 5, 7, 8, 9, 10, 11, 28, 29, 30, 31-32 (messy format), 33, 34, 35
- Error Slides #41, 42:

▼ Errors, Warnings, Notes

▲ ✖ Errors (4)

ERROR 22-322: Syntax error, expecting one of the following: ;, (, BLANKLINE, CONTENTS, DATA, DOUBLE, GRANDTOTAL\_LABEL,

ERROR 202-322: The option or parameter is not recognized and will be ignored.

ERROR 22-322: Syntax error, expecting one of the following: ;, (, ALPHA, CHARTYPE, CLASSDATA, CLM, COMPLETETYPES, CSS, CV, DATA,

ERROR 202-322: The option or parameter is not recognized and will be ignored.

▲ ⚠ Warnings (1)

- WARNING 14-169: Assuming the symbol DATA was misspelled as daat.

- 'data' misspelled as 'daat'

- 'average' used instead of 'mean'

- No semi-colon after a PROC statement.

- Error Slides #46-47:

- No closing (second) apostrophe after *dlim=*,

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▼ Errors, Warnings, Notes

✖ Errors

⚠ Warnings

▶ ⓘ Notes (9)

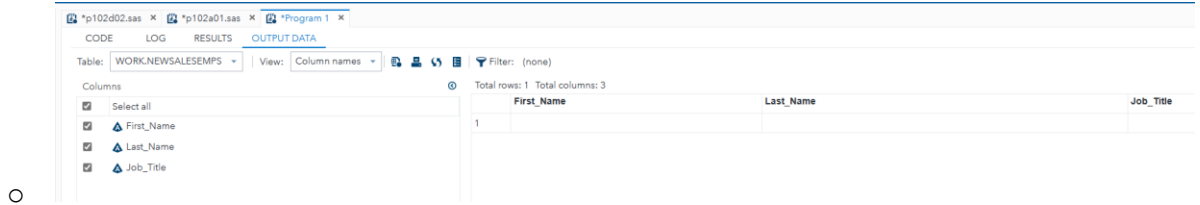
NOTE: Variable Last\_Name is uninitialized.

NOTE: Variable Job\_Title is uninitialized.

NOTE: The infile "/home/u63737872/Data/newemps.csv" is  
Filename=/home/u63737872/Data/newemps.csv,  
Owner Name=u63737872,Group Name=oda,  
Access Permission=-rw-r--r--,  
Last Modified=10Jan2024:19:51:30,  
File Size (bytes)=2604

- 
- Doesn't throw error, however strange output indicates issue.

## STA 5104 Assignment #1



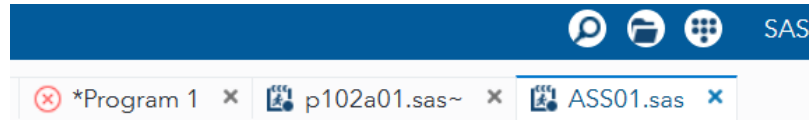
### Problem #2 (5 Points)

Run all programs in Lecture #3 and report any issues encountered.

- No Errors

### Problem #3 (5 Points)

- Use “libname” statement to create a SAS Data library called FIRSTASS.
- Use PROC Contents procedure to print a list of all data sets in the **FIRSTASS** library without printing descriptor portions for the individual data sets.



The CONTENTS Procedure

Directory	
Libref	FIRSTASS
Engine	V9
Physical Name	/home/u63737872/ASS01
Filename	/home/u63737872/ASS01
Inode Number	6107065301
Access Permission	rwxr-xr-x
Owner Name	u63737872
File Size	0KB
File Size (bytes)	107

#	Name	Member Type	File Size	Last Modified
1	CUSTOMER_DIM	DATA	33KB	01/22/2024 20:52:27
2	PRODUCT_DIM	DATA	113KB	01/22/2024 20:52:27
	PRODUCT_DIM	INDEX	45KB	01/22/2024 20:52:27

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- Use PROC Print to produce the data portion of the SAS data set “customer\_dim”.

# STA 5104 Assignment #1

► Table of Contents

Obs	Customer_ID	Customer_Country	Customer_Gender	Customer_Name	Customer_FirstName	Customer_LastName	Customer_BirthDate	Customer_Age_Group	Customer_Type	Customer_Group	Customer_Age
1	4	US	M	James Kvarnliq	James	Kvarnliq	27JUN1974	31-45 years	Orion Club members low activity	Orion Club members	33
2	5	US	F	Sandrina Stephano	Sandrina	Stephano	09JUL1979	15-30 years	Orion Club Gold members medium activity	Orion Club Gold members	28
3	9	DE	F	Cornelia Krahli	Cornelia	Krahli	27FEB1974	31-45 years	Orion Club Gold members medium activity	Orion Club Gold members	33
4	10	US	F	Karen Ballinger	Karen	Ballinger	18OCT1984	15-30 years	Orion Club members high activity	Orion Club members	23
5	11	DE	F	Elke Wallstab	Elke	Wallstab	16AUG1974	31-45 years	Orion Club members high activity	Orion Club members	33
6	12	US	M	David Black	David	Black	12APR1969	31-45 years	Orion Club members medium activity	Orion Club members	38
7	13	DE	M	Markus Sepke	Markus	Sepke	21JUL1988	15-30 years	Orion Club Gold members low activity	Orion Club Gold members	19
8	16	DE	M	Ulrich Heyde	Ulrich	Heyde	16JAN1939	61-75 years	Internet/Catalog Customers	Internet/Catalog Customers	68
9	17	US	M	Jimmie Evans	Jimmie	Evans	17AUG1954	46-60 years	Orion Club members medium activity	Orion Club members	53
10	18	US	M	Tonie Asmussen	Tonie	Asmussen	02FEB1954	46-60 years	Orion Club members low activity	Orion Club members	53
11	19	DE	M	Oliver S. Füßling	Oliver S.	Füßling	23FEB1964	31-45 years	Orion Club Gold members high activity	Orion Club Gold members	43
12	20	US	M	Michael Dineley	Michael	Dineley	17APR1959	46-60 years	Orion Club members medium activity	Orion Club members	48
13	23	US	M	Tulio Devereaux	Tulio	Devereaux	02DEC1949	46-60 years	Internet/Catalog Customers	Internet/Catalog Customers	58
14	24	US	F	Robyn Klem	Robyn	Klem	02JUN1959	46-60 years	Internet/Catalog Customers	Internet/Catalog Customers	48
15	27	US	F	Cynthia Mccuney	Cynthia	Mccuney	15APR1969	31-45 years	Internet/Catalog Customers	Internet/Catalog Customers	38

a.

- d) Use PROC Print to produce the data portion of the SAS data set “customer\_dim” without observation number.

► Table of Contents

Customer_ID	Customer_Country	Customer_Gender	Customer_Name	Customer_FirstName	Customer_LastName	Customer_BirthDate	Customer_Age_Group	Customer_Type	Customer_Group	Customer_Age
4	US	M	James Kvarnliq	James	Kvarnliq	27JUN1974	31-45 years	Orion Club members low activity	Orion Club members	33
5	US	F	Sandrina Stephano	Sandrina	Stephano	09JUL1979	15-30 years	Orion Club Gold members medium activity	Orion Club Gold members	28
9	DE	F	Cornelia Krahli	Cornelia	Krahli	27FEB1974	31-45 years	Orion Club Gold members medium activity	Orion Club Gold members	33
10	US	F	Karen Ballinger	Karen	Ballinger	18OCT1984	15-30 years	Orion Club members high activity	Orion Club members	23
11	DE	F	Elke Wallstab	Elke	Wallstab	16AUG1974	31-45 years	Orion Club members high activity	Orion Club members	33
12	US	M	David Black	David	Black	12APR1969	31-45 years	Orion Club members medium activity	Orion Club members	38
13	DE	M	Markus Sepke	Markus	Sepke	21JUL1988	15-30 years	Orion Club Gold members low activity	Orion Club Gold members	19
16	DE	M	Ulrich Heyde	Ulrich	Heyde	16JAN1939	61-75 years	Internet/Catalog Customers	Internet/Catalog Customers	68
17	US	M	Jimmie Evans	Jimmie	Evans	17AUG1954	46-60 years	Orion Club members medium activity	Orion Club members	53
18	US	M	Tonie Asmussen	Tonie	Asmussen	02FEB1954	46-60 years	Orion Club members low activity	Orion Club members	53
19	DE	M	Oliver S. Füßling	Oliver S.	Füßling	23FEB1964	31-45 years	Orion Club Gold members high activity	Orion Club Gold members	43
20	US	M	Michael Dineley	Michael	Dineley	17APR1959	46-60 years	Orion Club members medium activity	Orion Club members	48
23	US	M	Tulio Devereaux	Tulio	Devereaux	02DEC1949	46-60 years	Internet/Catalog Customers	Internet/Catalog Customers	58
24	US	F	Robyn Klem	Robyn	Klem	02JUN1959	46-60 years	Internet/Catalog Customers	Internet/Catalog Customers	48
27	US	F	Cynthia Mccuney	Cynthia	Mccuney	15APR1969	31-45 years	Internet/Catalog Customers	Internet/Catalog Customers	38
29	AU	F	Candy Kinsey	Candy	Kinsey	08JUL1934	61-75 years	Internet/Catalog Customers	Internet/Catalog Customers	73
31	US	F	Cynthia Martinez	Cynthia	Martinez	07AUG1959	46-60 years	Orion Club Gold members medium activity	Orion Club Gold members	48
33	DE	M	Rolf Robak	Rolf	Robak	24FEB1939	61-75 years	Orion Club members medium activity	Orion Club members	68

a.

- e) Use PROC Contents to produce the descriptor portion of the data set “customer\_dim”.

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The CONTENTS Procedure

Data Set Name	FIRSTASS.CUSTOMER_DIM	Observations	77
Member Type	DATA	Variables	11
Engine	V9	Indexes	0
Created	12/14/2007 08:05:43	Observation Length	216
Last Modified	12/14/2007 08:05:43	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	2
First Data Page	1
Max Obs per Page	75
Obs in First Data Page	64
Number of Data Set Repairs	0
Filename	/home/u63737872/ASS01/customer_dim.sas7bdat
Release Created	9.0101M3
Host Created	XP_PRO
Inode Number	6107065311
Access Permission	rw-r--r--
Owner Name	u63737872
File Size	33KB
File Size (bytes)	33792

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Label
11	Customer_Age	Num	8		Customer Age
8	Customer_Age_Group	Char	12		Customer Age Group
7	Customer_BirthDate	Num	8	DATE9	Customer Birth Date

a.

SAS Code:

```
/* Part A */
```

```
LIBNAME FIRSTASS "/home/u63737872/ASS01";
```

```
/* Part B */
```

```
proc contents data=FIRSTASS._all_ nods;
```

```
run;
```

## STA 5104 Assignment #1

/\* Part C \*/

```
proc print data=FIRSTASS.customer_dim;
```

```
run;
```

/\* Part D \*/

```
proc print data=FIRSTASS.customer_dim NOOBS;
```

```
run;
```

/\* Part E \*/

```
proc contents data=FIRSTASS.customer_dim;
```

```
run;
```