

Homework 8

Name: Zixin Ouyang

Exercise 1b

Customers who spent \$400 or more on retail purchases

Obs	Customer_ID	Customer_Name	TotSales
1	10	Karen Ballinger	\$3,479.09
2	31	Cynthia Martinez	\$1,322.30
3	45	Dianne Patchin	\$700.28
4	89	Wynella Lewis	\$602.00

Customers who spent \$70 or more on catalog purchases

Obs	Customer_ID	Customer_Name	Customer_Gender	TotSales
1	89	Wynella Lewis	F	\$134.60
2	90	Kyndal Hooks	F	\$319.00

Customers who spent \$400 or more on internet purchases

Obs	Customer_ID	Customer_Name	Customer_BirthDate	TotSales
1	5	Sandrina Stephano	07/09/1979	\$478.00
2	27	Cynthia Mccluney	04/15/1969	\$1,093.60
3	31	Cynthia Martinez	08/07/1959	\$455.30
4	34	Alvan Goheen	01/18/1984	\$642.50

Exercise 1d

Customers with purchases totaling greater than \$500 across all platforms

Obs	Customer_ID	Customer_Name	SumSales
1	5	Sandrina Stephano	\$691.10
2	10	Karen Ballinger	\$3,479.09
3	27	Cynthia Mccluney	\$1,093.60
4	31	Cynthia Martinez	\$1,777.60
5	34	Alvan Goheen	\$728.80
6	45	Dianne Patchin	\$700.28
7	89	Wynella Lewis	\$736.60
8	90	Kyndal Hooks	\$540.70

Customers who spent \$400 or more on internet purchases

Obs	Customer_ID	Customer_Name	Customer_BirthDate	TotSales
1	5	Sandrina Stephano	07/09/1979	\$478.00
2	27	Cynthia Mccluney	04/15/1969	\$1,093.60
3	31	Cynthia Martinez	08/07/1959	\$455.30
4	34	Alvan Goheen	01/18/1984	\$642.50

Exercise 2 b

Date	Export	Import	Balance
01/01/1987	17,345.9	30,798.5	-13,452.6
02/01/1987	18,853.9	29,810.3	-10,956.4
03/01/1987	21,835.5	32,464.3	-10,628.8
04/01/1987	20,677.7	32,291.1	-11,613.4
05/01/1987	20,759.5	33,170.0	-12,410.5
06/01/1987	21,636.7	35,358.0	-13,721.3
07/01/1987	21,379.0	35,809.9	-14,430.9
08/01/1987	20,079.1	33,826.2	-13,747.1
09/01/1987	21,183.7	33,667.5	-12,483.8
10/01/1987	22,777.8	38,075.6	-15,297.8
11/01/1987	23,278.7	35,210.9	-11,932.2
12/01/1987	24,314.4	35,758.7	-11,444.3
01/01/1988	23,161.6	33,035.4	-9,873.8
02/01/1988	24,315.6	35,494.1	-11,178.5
03/01/1988	29,342.8	36,998.7	-7,655.9
01/01/1990	30,664.1	40,303.8	-9,639.7
03/01/1990	35,970.6	42,339.3	-6,368.7
03/01/1993	41,998.5	50,744.6	-8,746.1
03/01/1996	54,951.7	63,363.3	-8,411.6
03/01/1999	60,889.4	84,071.9	-23,182.5
02/01/1990	30,961.8	37,111.9	-6,150.1
04/01/1990	32,617.1	39,143.9	-6,526.8
04/01/1993	39,420.5	47,850.1	-8,429.6
04/01/1996	51,871.8	64,663.4	-12,791.6

Exercise 2 d

The CONTENTS Procedure

Data Set Name	WORK.YEARLYIMPORTS_ZOUYANG7	Observations	29
Member Type	DATA	Variables	3
Engine	V9	Indexes	0
Created	04/07/2017 18:18:55	Observation Length	24
Last Modified	04/07/2017 18:18:55	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	5431
Obs in First Data Page	29
Number of Data Set Repairs	0
Filename	/saswork/SAS_work95020001128C_odaws03-prod-us/SAS_work990B0001128C_odaws03-prod-us/yearlyimports_zouyang7.sas7bdat
Release Created	9.0401M3
Host Created	Linux
Inode Number	8257608
Access Permission	rw-r--r--
Owner Name	zouyang70
File Size	256KB
File Size (bytes)	262144

Exercise 2 d

The CONTENTS Procedure

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Format
1	Year	Num	8	
3	YearAvg	Num	8	COMMA10.1
2	YearTotal	Num	8	COMMA10.1

Exercise 2 e

Obs	Year	YearTotal	YearAvg
1	1987	406,241.0	33,853.4
2	1988	440,952.3	36,746.0
3	1989	473,210.9	39,434.2
4	1990	495,310.6	41,275.9
5	1991	488,453.1	40,704.4
6	1992	532,661.7	44,388.5
7	1993	580,656.2	48,388.0
8	1994	663,251.8	55,271.0
9	1995	743,545.0	61,962.1
10	1996	795,286.6	66,273.9
11	1997	869,703.0	72,475.3
12	1998	911,896.7	75,991.4
13	1999	1024615.5	85,384.6
14	2000	1218022.6	101,501.9
15	2001	1140998.1	95,083.2
16	2002	1161366.4	96,780.5
17	2003	1257121.2	104,760.1
18	2004	1469705.0	122,475.4
19	2005	1673454.0	139,454.5
20	2006	1853938.0	154,494.8
21	2007	1956961.0	163,080.1
22	2008	2103640.8	175,303.4
23	2009	1559624.9	129,968.7
24	2010	1913160.2	159,430.0
25	2011	2207823.8	183,985.3
26	2012	2275150.0	189,595.8
27	2013	2268321.3	189,026.8
28	2014	2344773.9	195,397.8
29	2015	2240932.6	186,744.4

Exercise 2 f

The MEANS Procedure

Analysis Variable : YearTotal		
Year	N Obs	Mean
80's	3	440134.73
90's	10	710538.02
00's	10	1539483.20
10's	6	2208360.30

80's has the smallest average and 10's has the largest average.