

```
/*Ugonna Okengwu*/
```

```
/*Section 9.11 Question 8*/
```

```
libname Lab4 '/home/u63417899/BAN130ZBB';
```

```
data Lab4.p8;  
input day month year;  
date=mdy(month,day,year);  
format date mmddyy10.;
```

```
datalines;
```

```
25 12 2005
```

```
1 1 1960
```

```
21 10 1946
```

```
;
```

```
run;
```

```
proc print data=Lab4.p8;
```

```
format date mmddyy10.;
```

```
run;
```

```
/*Section 9.11 Question 10*/
```

```
libname Lab4 '/home/u63417899/BAN130ZBB';
```

```
data hospitalv;
```

```
set Lab4.hosp;
```

```
MonthsDec=intck('month', AdmitDate, '31dec2007'd);
```

```
Format AdmitDate MMDDYY10.;
```

```
MonthsToday=intck('month', AdmitDate, today());
```

```
Format AdmitDate MMDDYY10.;
```

```
run;
```

```
proc print data = hospitalv (obs=20);
```

```
run;
```

```
/*Section 11.13 Question 10*/
```

```
libname Lab4 '/home/u63417899/BAN130ZBB';
```

```
data Lab4.convert;
```

```
set Lab4.char_num;
```

```
NumAge=input(Age,8.);
```

```
NumWeight=input(weight,8.);
```

```
CharSS=put(SS,ssn.);
```

```
charzip=put(zip,Z5.);
```

```
run;
```

```
proc print data=Lab4.convert;
```

```
run;
```

```
proc contents data=Lab4.convert;
run;

/*Section 11.13, problems 12*/
libname learn '/home/u63417899/BAN130ZBB';

data difference;
Set learn.stocks;
diff_price = dif (price);
run;

proc print data = difference;
run;

title "Plot of Daily Price Differences";
proc sgplot data=Difference;
    series x=Date y=Price;
run;

proc sgplot data=Difference;
series x=date y=diff_Price;
run;

/*Section 12.17, problems: 10,*/
libname learn '/home/u63417899/BAN130ZBB';

data errors;
input Subj : $3.
PartNumber $
Name & $20.;
datalines;
001 L1232 Nichole Brown
0a2 L887X Fred Beans
003 12321 Alfred 2 Nice
004 abcde Mary Bumpers
X89 8888S Gill Sandford
;
run;

data check1;
file print;
set errors (drop=Name);
where notdigit(trim(Subj)) or
verify(trim(PartNumber),'0123456789LS');
run;

/*Section 12.17, problems: 12,*/
proc print data=errors;
```

```
where findc(PartNumber,'XD','i');  
run;
```

Obs	day	month	year	date
1	25	12	2005	12/25/2005
2	1	1	1960	01/01/1960
3	21	10	1946	10/21/1946

Obs	AdmitDate	quarter	DOB	DischrDate	Subject	MonthsDec	MonthsToday
1	03/28/2003	4	09/15/1926	04/12/2003	1	57	244
2	03/28/2003	4	07/08/1950	04/17/2003	2	57	244
3	03/28/2003	4	12/30/1981	03/28/2003	3	57	244
4	03/28/2003	4	06/11/1942	03/29/2003	4	57	244
5	08/03/2003	6	06/28/1928	08/12/2003	5	52	239
6	08/03/2003	6	01/20/1936	08/07/2003	6	52	239
7	08/03/2003	6	11/12/1963	08/08/2003	7	52	239
8	08/03/2003	6	10/26/1948	08/15/2003	8	52	239
9	08/03/2003	6	05/23/1932	08/07/2003	9	52	239
10	08/03/2003	6	04/27/1959	08/10/2003	10	52	239
11	03/25/2004	8	01/06/1937	03/26/2004	11	45	232
12	03/25/2004	8	05/29/1962	04/03/2004	12	45	232
13	03/25/2004	8	05/01/1944	03/26/2004	13	45	232
14	03/25/2004	8	10/18/1976	03/30/2004	14	45	232
15	03/25/2004	8	05/01/1982	04/06/2004	15	45	232
16	03/25/2004	8	03/29/1940	04/06/2004	16	45	232
17	03/25/2004	8	11/02/1980	04/17/2004	17	45	232
18	03/25/2004	8	08/09/1978	04/08/2004	18	45	232
19	07/12/2005	14	08/24/1986	07/15/2005	19	29	216
20	07/12/2005	14	03/15/1976	07/12/2005	20	29	216

Obs	Age	Weight	SS	Zip	NumAge	NumWeight	CharSS	charzip
1	23	155	132423222	8822	23	155	132-42-3222	08822
2	56	220	123457777	90210	56	220	123-45-7777	90210
3	74	95	12003004	78010	74	95	012-00-3004	78010

The CONTENTS Procedure

Data Set Name	LAB4.CONVERT	Observations	3
Member Type	DATA	Variables	8
Engine	V9	Indexes	0
Created	07/19/2023 21:32:46	Observation Length	64
Last Modified	07/19/2023 21:32:46	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)		

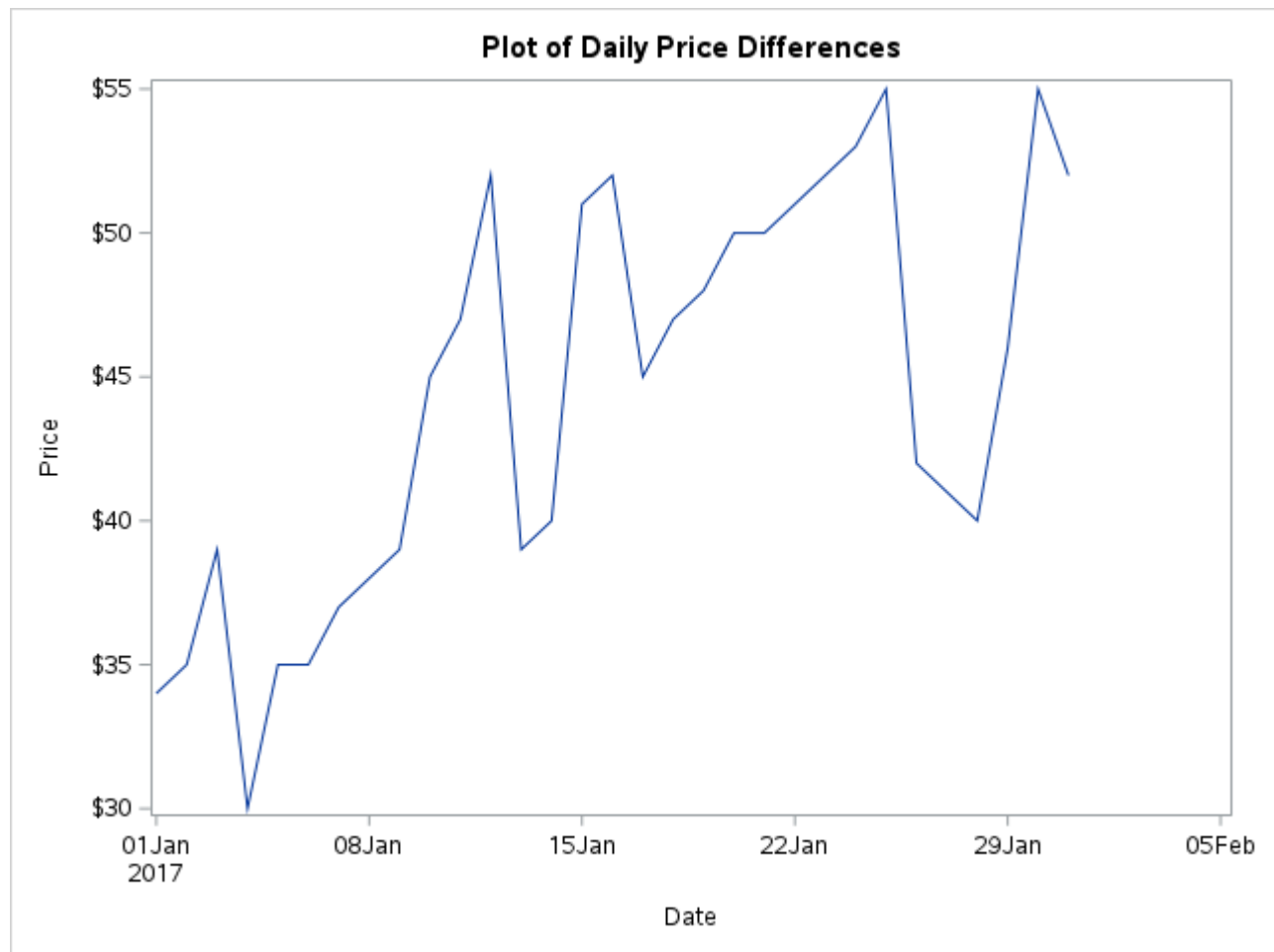
Engine/Host Dependent Information

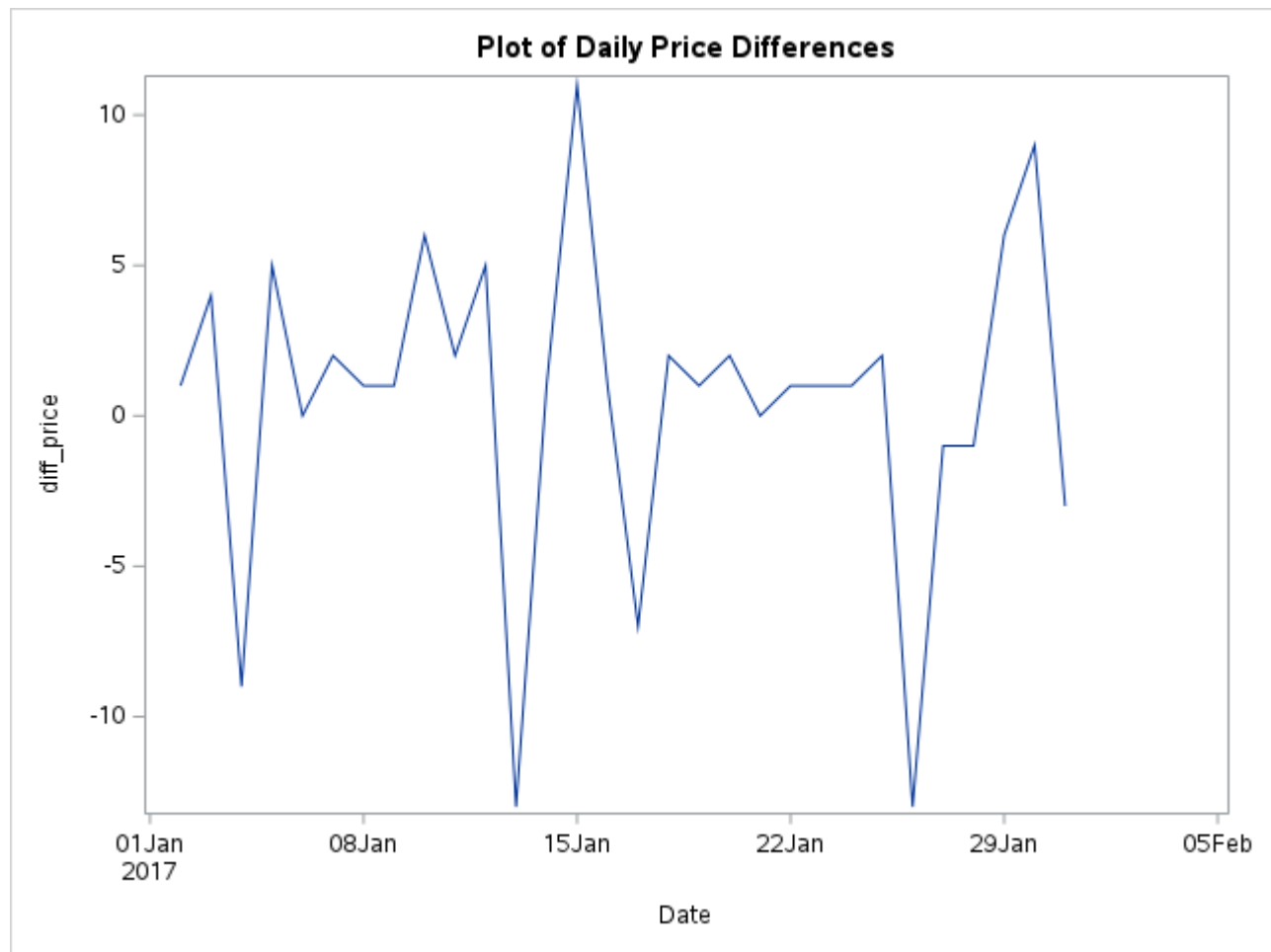
Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	2043
Obs in First Data Page	3
Number of Data Set Repairs	0
Filename	/home/u63417899/BAN130ZBB/convert.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	15049151010
Access Permission	rw-r--r--
Owner Name	u63417899
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes			
#	Variable	Type	Len
1	Age	Char	8
7	CharSS	Char	11
5	NumAge	Num	8
6	NumWeight	Num	8
3	SS	Num	8
2	Weight	Char	8
4	Zip	Num	8
8	charzip	Char	5

Obs	Date	Price	diff_price
1	01/01/2017	\$34	.
2	01/02/2017	\$35	1
3	01/03/2017	\$39	4
4	01/04/2017	\$30	-9
5	01/05/2017	\$35	5
6	01/06/2017	\$35	0
7	01/07/2017	\$37	2
8	01/08/2017	\$38	1
9	01/09/2017	\$39	1
10	01/10/2017	\$45	6
11	01/11/2017	\$47	2
12	01/12/2017	\$52	5
13	01/13/2017	\$39	-13
14	01/14/2017	\$40	1
15	01/15/2017	\$51	11
16	01/16/2017	\$52	1
17	01/17/2017	\$45	-7
18	01/18/2017	\$47	2
19	01/19/2017	\$48	1
20	01/20/2017	\$50	2

Obs	Date	Price	diff_price
21	01/21/2017	\$50	0
22	01/22/2017	\$51	1
23	01/23/2017	\$52	1
24	01/24/2017	\$53	1
25	01/25/2017	\$55	2
26	01/26/2017	\$42	-13
27	01/27/2017	\$41	-1
28	01/28/2017	\$40	-1
29	01/29/2017	\$46	6
30	01/30/2017	\$55	9
31	01/31/2017	\$52	-3





Plot of Daily Price Differences

Obs	Subj	PartNumber	Name
2	0a2	L887X	Fred Beans
4	004	abcde	Mary Bumpers