

Data processing
Avocado Data

Obs	year	month	month_num	Date	region	type	avgprice	totvol	totsm	totlg	totxl	totbags	totbags_sm	totbags_lg	totbags_xl
1	2015	January	1	2015-01-01	California	conventional	0.98	22303066.76	10895054.82	8689709.00	513202.87	2205100.07	2029057.20	163067.25	12975.62
2	2015	January	1	2015-01-01	California	organic	1.22	617366.07	435293.77	138519.52	4.40	43548.38	43548.38	0.00	0.00
3	2015	January	1	2015-01-01	GreatLakes	conventional	1.08	12385337.78	1676132.87	7177685.76	1163707.56	2367811.59	1929525.20	405222.99	33063.40
4	2015	January	1	2015-01-01	GreatLakes	organic	1.65	237230.17	15547.27	176495.97	0.00	45186.93	29679.81	15507.12	0.00
5	2015	January	1	2015-01-01	Northeast	conventional	1.24	13120598.90	412549.10	9159344.17	29635.09	3519070.54	3154231.48	364839.06	0.00
6	2015	January	1	2015-01-01	Northeast	organic	1.90	174022.86	12068.61	72897.36	235.63	88821.26	86624.72	2196.54	0.00
7	2015	January	1	2015-01-01	Plains	conventional	1.05	6272419.64	3573054.45	1854161.55	49013.72	796189.92	787432.24	4398.95	4358.73
8	2015	January	1	2015-01-01	Plains	organic	1.74	131685.65	20583.41	58693.89	92.32	52316.03	46548.06	5767.97	0.00
9	2015	January	1	2015-01-01	SouthCentral	conventional	0.79	21018878.53	11763269.93	6553201.53	377158.80	2325248.27	1949172.85	375985.93	89.49
10	2015	January	1	2015-01-01	SouthCentral	organic	1.35	231027.80	119032.08	32319.31	0.00	79676.41	78888.95	787.46	0.00

Data processing script run on 30APR25 at 17:09

Data processing
Temperature Data

Obs	year	month	temp
1	2015	January	1.20
2	2015	February	1.20
3	2015	March	1.32
4	2015	April	1.02
5	2015	May	1.05
6	2015	June	1.06
7	2015	July	0.92
8	2015	August	1.01
9	2015	September	1.18
10	2015	October	1.29

Data processing script run on 30APR25 at 17:09

Data processing
President Data

Obs	year	president	pres_party
1	2015	Barack Obama	Democratic
2	2016	Barack Obama	Democratic
3	2017	Donald Trump	Republican
4	2018	Donald Trump	Republican

Data processing script run on 30APR25 at 17:09

Print data

Obs	year	month	month_num	Date	region	type	avgprice	totvol	totsm	totlg	totxl	totbags	totbags_sm	totbags_lg	totbags_xl	temp	president	pres_pa
1	2015	January	1	2015-01-01	California	conventional	0.98	22303066.76	10895054.82	8689709.00	513202.87	2205100.07	2029057.20	163067.25	12975.62	1.2	Barack Obama	Democræ
2	2015	January	1	2015-01-01	California	organic	1.22	617366.07	435293.77	138519.52	4.40	43548.38	43548.38	0.00	0.00	1.2	Barack Obama	Democræ
3	2015	January	1	2015-01-01	GreatLakes	conventional	1.08	12385337.78	1676132.87	7177685.76	1163707.56	2367811.59	1929525.20	405222.99	33063.40	1.2	Barack Obama	Democræ
4	2015	January	1	2015-01-01	GreatLakes	organic	1.65	237230.17	15547.27	176495.97	0.00	45186.93	29679.81	15507.12	0.00	1.2	Barack Obama	Democræ
5	2015	January	1	2015-01-01	Northeast	conventional	1.24	13120598.90	412549.10	9159344.17	29635.09	3519070.54	3154231.48	364839.06	0.00	1.2	Barack Obama	Democræ
6	2015	January	1	2015-01-01	Northeast	organic	1.90	174022.86	12068.61	72897.36	235.63	88821.26	86624.72	2196.54	0.00	1.2	Barack Obama	Democræ
7	2015	January	1	2015-01-01	Plains	conventional	1.05	6272419.64	3573054.45	1854161.55	49013.72	796189.92	787432.24	4398.95	4358.73	1.2	Barack Obama	Democræ
8	2015	January	1	2015-01-01	Plains	organic	1.74	131685.65	20583.41	58693.89	92.32	52316.03	46548.06	5767.97	0.00	1.2	Barack Obama	Democræ
9	2015	January	1	2015-01-01	SouthCentral	conventional	0.79	21018878.53	11763269.93	6553201.53	377158.80	2325248.27	1949172.85	375985.93	89.49	1.2	Barack Obama	Democræ
10	2015	January	1	2015-01-01	SouthCentral	organic	1.35	231027.80	119032.08	32319.31	0.00	79676.41	78888.95	787.46	0.00	1.2	Barack Obama	Democræ

Data processing script run on 30APR25 at 17:09

Print data
The FREQ Procedure

Year				
year	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2015	168	30.77	168	30.77
2016	168	30.77	336	61.54
2017	168	30.77	504	92.31

Year				
year	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2018	42	7.69	546	100.00

Month Name				
month	Frequency	Percent	Cumulative Frequency	Cumulative Percent
April	42	7.69	42	7.69
August	42	7.69	84	15.38
December	42	7.69	126	23.08
February	56	10.26	182	33.33
January	56	10.26	238	43.59
July	42	7.69	280	51.28
June	42	7.69	322	58.97
March	56	10.26	378	69.23
May	42	7.69	420	76.92
November	42	7.69	462	84.62
October	42	7.69	504	92.31
September	42	7.69	546	100.00

City or region of the observation				
region	Frequency	Percent	Cumulative Frequency	Cumulative Percent
California	78	14.29	78	14.29
GreatLakes	78	14.29	156	28.57
Northeast	78	14.29	234	42.86
Plains	78	14.29	312	57.14
SouthCentral	78	14.29	390	71.43
Southeast	78	14.29	468	85.71
West	78	14.29	546	100.00

Type of farming method				
type	Frequency	Percent	Cumulative Frequency	Cumulative Percent
conventional	273	50.00	273	50.00
organic	273	50.00	546	100.00

Politiical Party of current U.S. president				
pres_party	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Democratic	336	61.54	336	61.54
Republican	210	38.46	546	100.00

Data processing script run on 30APR25 at 17:09

Print data

The CONTENTS Procedure

Data Set Name	MYLIB.DAT	Observations	546
Member Type	DATA	Variables	18
Engine	V9	Indexes	0
Created	04/30/2025 13:39:51	Observation Length	192
Last Modified	04/30/2025 13:39:51	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	682
Obs in First Data Page	546
Number of Data Set Repairs	0
Filename	/home/u63984496/BIOS7400/final-project/dat.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	19337308050
Access Permission	rw-r--r--
Owner Name	u63984496
File Size	256KB

Engine/Host Dependent Information	
File Size (bytes)	262144

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
4	Date	Num	8	YYMMDD10.	YYMMDD10.	Date of observation- only month and years are known
7	avgprice	Num	8	8.2		Average price of a single avocado
2	month	Char	9			Month Name
3	month_num	Num	8			Month Number
18	pres_party	Char	25			Polical Party of current U.S. president
17	president	Char	20			Name of current U.S. president
5	region	Char	19	\$19.	\$19.	City or region of the observation
16	temp	Num	8			Temperature difference (degress C)
12	totbags	Num	8			Total number of bags sold
14	totbags_lg	Num	8			Total number of PLU 4225 (large) bags sold
13	totbags_sm	Num	8			Total number of PLU 4046 (small) bags sold
15	totbags_xl	Num	8			Total number of PLU 4770 (xlarge) bags sold
10	totlg	Num	8			Total number of avocados with PLU 4225 (large) sold
9	totsm	Num	8			Total number of avocados with PLU 4046 (small) sold
8	totvol	Num	8			Total Number of avocados sold
11	totxl	Num	8			Total number of avocados with PLU 4770 (xlarge) sold
6	type	Char	12	\$12.	\$12.	Type of farming method
1	year	Num	8	BEST12.	BEST32.	Year

Data processing script run on 30APR25 at 17:09