

## Grain Price Analysis

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Obs	Calendar year	Temperature diff. (deg. C)
1	1880	-0.29
2	1881	-0.18
3	1882	-0.21
4	1883	-0.29
5	1884	-0.43
6	1885	-0.44
7	1886	-0.43
8	1887	-0.44
9	1888	-0.24
10	1889	-0.18

## The CONTENTS Procedure

Data Set Name	WORK.TEMP	Observations	143
Member Type	DATA	Variables	2
Engine	V9	Indexes	0
Created	05/05/2022 10:14:53	Observation Length	16
Last Modified	05/05/2022 10:14:53	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	8126
Obs in First Data Page	143
Number of Data Set Repairs	0
Filename	/saswork/SAS_work37A20001E61C_odaws03-usw2.oda.sas.com/SAS_workC03F0001E61C_odaws03-usw2.oda.sas.com/temp.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	537094175
Access Permission	rw-r--r--
Owner Name	u59465388
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
2	TEMP	Num	8	Temperature diff. (deg. C)
1	YEAR	Num	8	Calendar year

## Grain Price Analysis

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Obs	Calendar year	President name	President party
1	1789	George Washington	None
2	1790	George Washington	None
3	1791	George Washington	None
4	1792	George Washington	None
5	1793	George Washington	None
6	1794	George Washington	None
7	1795	George Washington	None
8	1796	George Washington	None
9	1797	John Adams	Federalist
10	1798	John Adams	Federalist

## The CONTENTS Procedure

Data Set Name	WORK.PRES	Observations	236
Member Type	DATA	Variables	3
Engine	V9	Indexes	0
Created	05/05/2022 10:14:54	Observation Length	52
Last Modified	05/05/2022 10:14:54	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	2513
Obs in First Data Page	236
Number of Data Set Repairs	0
Filename	/saswork/SAS_work37A20001E61C_odaws03-usw2.oda.sas.com/SAS_workC03F0001E61C_odaws03-usw2.oda.sas.com/pres.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	537094176
Access Permission	rw-r--r--
Owner Name	u59465388
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
3	PARTY	Char	25	President party
2	PRES	Char	20	President name
1	YEAR	Num	4	Calendar year

## Grain Price Analysis

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Obs	Calendar year	Adjusted value	Rate of inflation	Buying power
1	1866	1.00	-0.02	1.00
2	1867	0.93	-0.07	1.08
3	1868	0.89	-0.04	1.12
4	1869	0.86	-0.04	1.16
5	1870	0.82	-0.04	1.22
6	1871	0.77	-0.07	1.30
7	1872	0.77	0.00	1.30
8	1873	0.75	-0.02	1.33
9	1874	0.72	-0.05	1.39
10	1875	0.69	-0.04	1.45

## The CONTENTS Procedure

Data Set Name	WORK.INFLATION	Observations	157
Member Type	DATA	Variables	4
Engine	V9	Indexes	0
Created	05/05/2022 10:14:54	Observation Length	32
Last Modified	05/05/2022 10:14:54	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	4078
Obs in First Data Page	157
Number of Data Set Repairs	0
Filename	/saswork/SAS_work37A20001E61C_odaws03-usw2.oda.sas.com/SAS_workC03F0001E61C_odaws03-usw2.oda.sas.com/inflation.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	537094178
Access Permission	rw-r--r--
Owner Name	u59465388
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
3	INFL	Num	8	Rate of inflation
4	PWR	Num	8	Buying power
2	VALUE	Num	8	Adjusted value
1	YEAR	Num	8	Calendar year

## Grain Price Analysis

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Obs	Grain commodity	Calendar year	Acerage (M)	Acres harvested (M)	Bushels produced (M)	Yield (bushels per acre)	Price per bushel	Loan rate per bushel	Pct change in price	log10 price per bushel
1	Corn	1866	.	30.02	730.81	24.3	0.66	.	.	-0.18046
2	Corn	1867	.	32.12	793.91	24.7	0.78	.	18.18	-0.10791
3	Corn	1868	.	35.12	919.59	26.2	0.62	.	-20.51	-0.20761
4	Corn	1869	.	35.83	782.08	21.8	0.73	.	17.74	-0.13668
5	Corn	1870	.	38.39	1124.78	29.3	0.52	.	-28.77	-0.28400
6	Corn	1871	.	42.00	1141.72	27.2	0.46	.	-11.54	-0.33724
7	Corn	1872	.	43.58	1279.37	29.4	0.38	.	-17.39	-0.42022
8	Corn	1873	.	44.08	1008.33	22.9	0.48	.	26.32	-0.31876
9	Corn	1874	.	47.64	1058.78	22.2	0.64	.	33.33	-0.19382
10	Corn	1875	.	52.45	1450.28	27.7	0.42	.	-34.38	-0.37675

## The CONTENTS Procedure

Data Set Name	WORK.ALLGRNS	Observations	571
Member Type	DATA	Variables	10
Engine	V9	Indexes	0
Created	05/05/2022 10:14:54	Observation Length	80
Last Modified	05/05/2022 10:14:54	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	1635
Obs in First Data Page	571
Number of Data Set Repairs	0
Filename	/saswork/SAS_work37A20001E61C_odaws03-usw2.oda.sas.com/SAS_workC03F0001E61C_odaws03-usw2.oda.sas.com/allgrns.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	537094179
Access Permission	rw-r--r--
Owner Name	u59465388
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
3	ACR	Num	8	Acerage (M)
1	GRN	Char	8	Grain commodity
4	HVT	Num	8	Acres harvested (M)
8	LNR	Num	8	Loan rate per bushel
10	LPE	Num	8	log10 price per bushel



## The CONTENTS Procedure

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
7	PCE	Num	8	Price per bushel
9	PCT	Num	8	Pct change in price
5	PRD	Num	8	Bushels produced (M)
2	YEAR	Num	8	Calendar year
6	YLD	Num	8	Yield (bushels per acre)

# Grain Price Analysis

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Obs	Grain commodity	Calendar year	Acerage (M)	Acres harvested (M)	Bushels produced (M)	Yield (bushels per acre)	Price per bushel	Loan rate per bushel
1	Barley	1866	.	0.75	18.10	24.0	0.95	.
2	Barley	1867	.	1.06	23.85	22.5	1.22	.
3	Barley	1868	.	1.06	23.20	21.8	1.49	.
4	Barley	1869	.	1.24	29.10	23.5	0.87	.
5	Barley	1870	.	1.33	29.05	21.8	0.85	.
6	Barley	1871	.	1.35	27.69	20.5	0.77	.
7	Barley	1872	.	1.42	32.01	22.5	0.74	.
8	Barley	1873	.	1.47	30.54	20.7	0.96	.
9	Barley	1874	.	1.63	36.13	22.2	0.96	.
10	Barley	1875	.	1.70	32.81	19.3	0.86	.

Obs	Pct change in price	log10 price per bushel	Adjusted value	Rate of inflation	Buying power	President name	President party	Temperature diff. (deg. C)
1	-83.76	-0.02228	1.00	-0.02	1.00	Andrew Johnson	Democrat	.
2	28.42	0.08636	0.93	-0.07	1.08	Andrew Johnson	Democrat	.
3	22.13	0.17319	0.89	-0.04	1.12	Andrew Johnson	Democrat	.
4	-41.61	-0.06048	0.86	-0.04	1.16	Ulysses S. Grant	Republican	.
5	-2.30	-0.07058	0.82	-0.04	1.22	Ulysses S. Grant	Republican	.
6	-9.41	-0.11351	0.77	-0.07	1.30	Ulysses S. Grant	Republican	.
7	-3.90	-0.13077	0.77	0.00	1.30	Ulysses S. Grant	Republican	.
8	29.73	-0.01773	0.75	-0.02	1.33	Ulysses S. Grant	Republican	.
9	0.00	-0.01773	0.72	-0.05	1.39	Ulysses S. Grant	Republican	.
10	-10.42	-0.06550	0.69	-0.04	1.45	Ulysses S. Grant	Republican	.

## The CONTENTS Procedure

Data Set Name	HOME.GRAINS	Observations	571
Member Type	DATA	Variables	16
Engine	V9	Indexes	0
Created	05/05/2022 10:14:54	Observation Length	160
Last Modified	05/05/2022 10:14:54	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	YES
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	818
Obs in First Data Page	571
Number of Data Set Repairs	0
Filename	/home/u59465388/SAS-Grain-Prices/grains.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	4409550049
Access Permission	rw-r--r--
Owner Name	u59465388
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
3	ACR	Num	8	Acerage (M)
1	GRN	Char	8	Grain commodity
4	HVT	Num	8	Acres harvested (M)
12	INFL	Num	8	Rate of inflation
8	LNR	Num	8	Loan rate per bushel
10	LPE	Num	8	log10 price per bushel
15	PARTY	Char	25	President party

## The CONTENTS Procedure

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
7	PCE	Num	8	Price per bushel
9	PCT	Num	8	Pct change in price
5	PRD	Num	8	Bushels produced (M)
14	PRES	Char	20	President name
13	PWR	Num	8	Buying power
16	TEMP	Num	8	Temperature diff. (deg. C)
11	VALUE	Num	8	Adjusted value
2	YEAR	Num	8	Calendar year
6	YLD	Num	8	Yield (bushels per acre)

Sort Information	
Sortedby	GRN YEAR
Validated	YES
Character Set	ASCII