

## The CONTENTS Procedure

<b>Data Set Name</b>	WORK.RETAIL_ANALYSIS	<b>Observations</b>	30
<b>Member Type</b>	DATA	<b>Variables</b>	7
<b>Engine</b>	V9	<b>Indexes</b>	0
<b>Created</b>	08/15/2019 14:36:33	<b>Observation Length</b>	56
<b>Last Modified</b>	08/15/2019 14:36:33	<b>Deleted Observations</b>	0
<b>Protection</b>		<b>Compressed</b>	NO
<b>Data Set Type</b>		<b>Sorted</b>	NO
<b>Label</b>			
<b>Data Representation</b>	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
<b>Encoding</b>	utf-8 Unicode (UTF-8)		

## Engine/Host Dependent Information

<b>Data Set Page Size</b>	65536
<b>Number of Data Set Pages</b>	1
<b>First Data Page</b>	1
<b>Max Obs per Page</b>	1166
<b>Obs in First Data Page</b>	30
<b>Number of Data Set Repairs</b>	0
<b>Filename</b>	/tmp/SAS_work88020000099A_localhost.localdomain/SAS_work35D60000099A_localhost.localdomain/retail_analysis.sas7bdat
<b>Release Created</b>	9.0401M6
<b>Host Created</b>	Linux
<b>Inode Number</b>	671552
<b>Access Permission</b>	rw-rw-r--
<b>Owner Name</b>	sasdemo
<b>File Size</b>	128KB
<b>File Size (bytes)</b>	131072

## Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
5	Discount	Num	8	BEST.		Discount
1	Order_ID	Num	8	BEST.		Order_ID
2	Products	Char	8	\$8.	\$8.	Products
6	Profit	Num	8	NLMNY15.1		Profit
4	Quantity	Num	8	BEST.		Quantity
3	Sales	Num	8	NLMNY15.1		Sales
7	Shipping_Cost	Num	8	NLMNY15.1		Shipping_Cost

### The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
Order_ID	Order_ID	30	110015.50	8.8034084	110001.00	110030.00
Sales	Sales	30	152.9666667	63.1759903	33.0000000	250.0000000
Quantity	Quantity	30	3.1666667	1.2340942	1.0000000	5.0000000
Discount	Discount	30	0.0256667	0.0154659	0.0100000	0.0500000
Profit	Profit	30	72.1063333	44.6008984	3.2500000	135.6000000
Shipping_Cost	Shipping_Cost	30	7.2106333	4.4600898	0.3250000	13.5600000
TOTAL_SALES		30	491.1000000	265.3040351	33.0000000	1100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: TOTAL\_SALES**

Number of Observations Read	30
Number of Observations Used	30

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	1809545	904772	105.45	<.0001
Error	27	231656	8579.85375		
Corrected Total	29	2041201			

Root MSE	92.62750	R-Square	0.8865
Dependent Mean	491.10000	Adj R-Sq	0.8781
Coeff Var	18.86123		

**Note:** Model is not full rank. Least-squares solutions for the parameters are not unique. Some statistics will be misleading. A reported DF of 0 or B means that the estimate is biased.

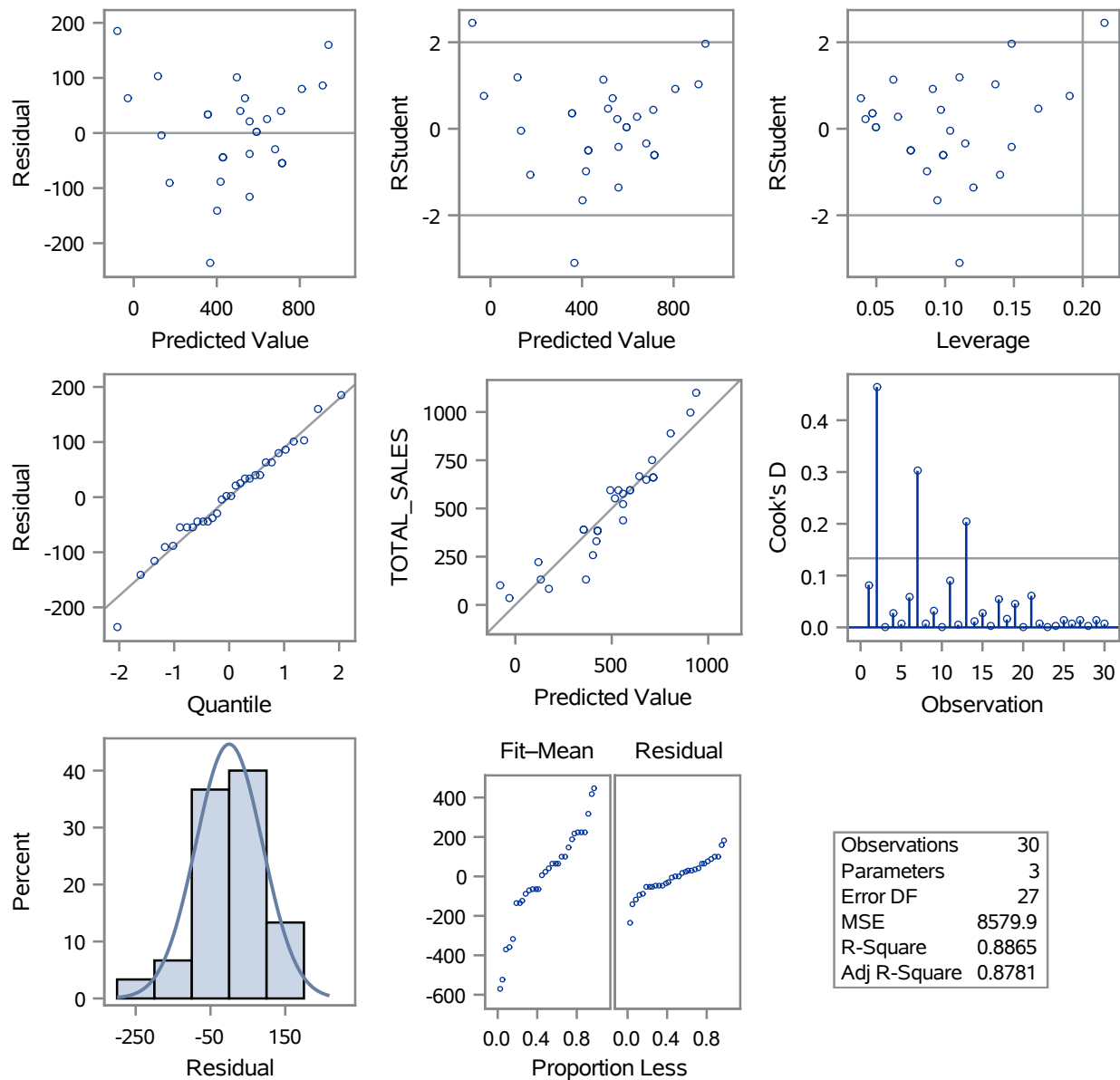
**Note:** The following parameters have been set to 0, since the variables are a linear combination of other variables as shown.

Shipping_Cost =	0.1 * Profit
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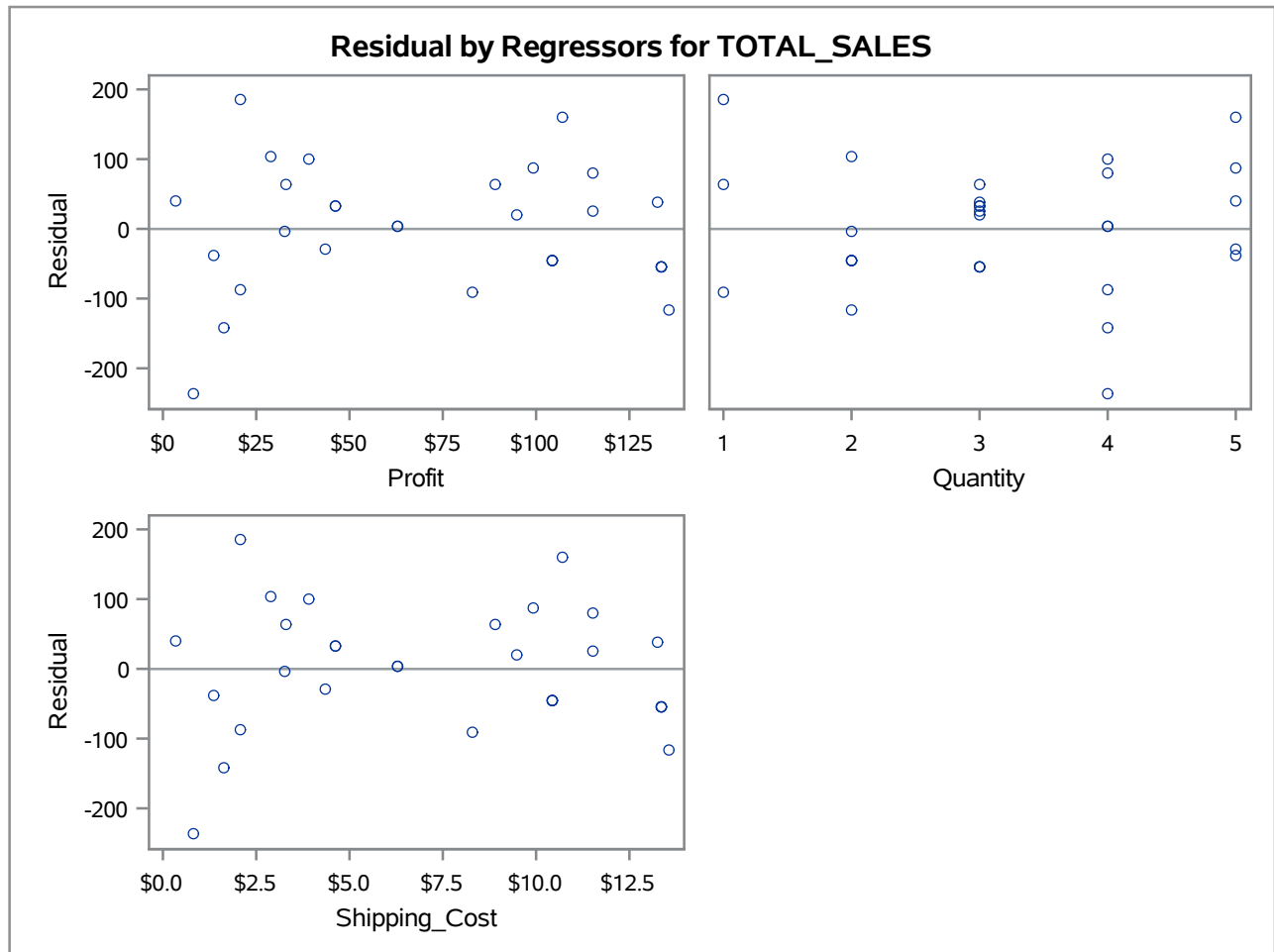
Parameter Estimates						
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	Intercept	1	-333.04421	59.58531	-5.59	<.0001
Profit	Profit	B	4.10070	0.39197	10.46	<.0001
Quantity	Quantity	1	166.88150	14.16593	11.78	<.0001
Shipping_Cost	Shipping_Cost	0	0	.	.	.

**The REG Procedure**  
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**Dependent Variable: TOTAL\_SALES**

**Fit Diagnostics for TOTAL\_SALES**



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: TOTAL\_SALES**



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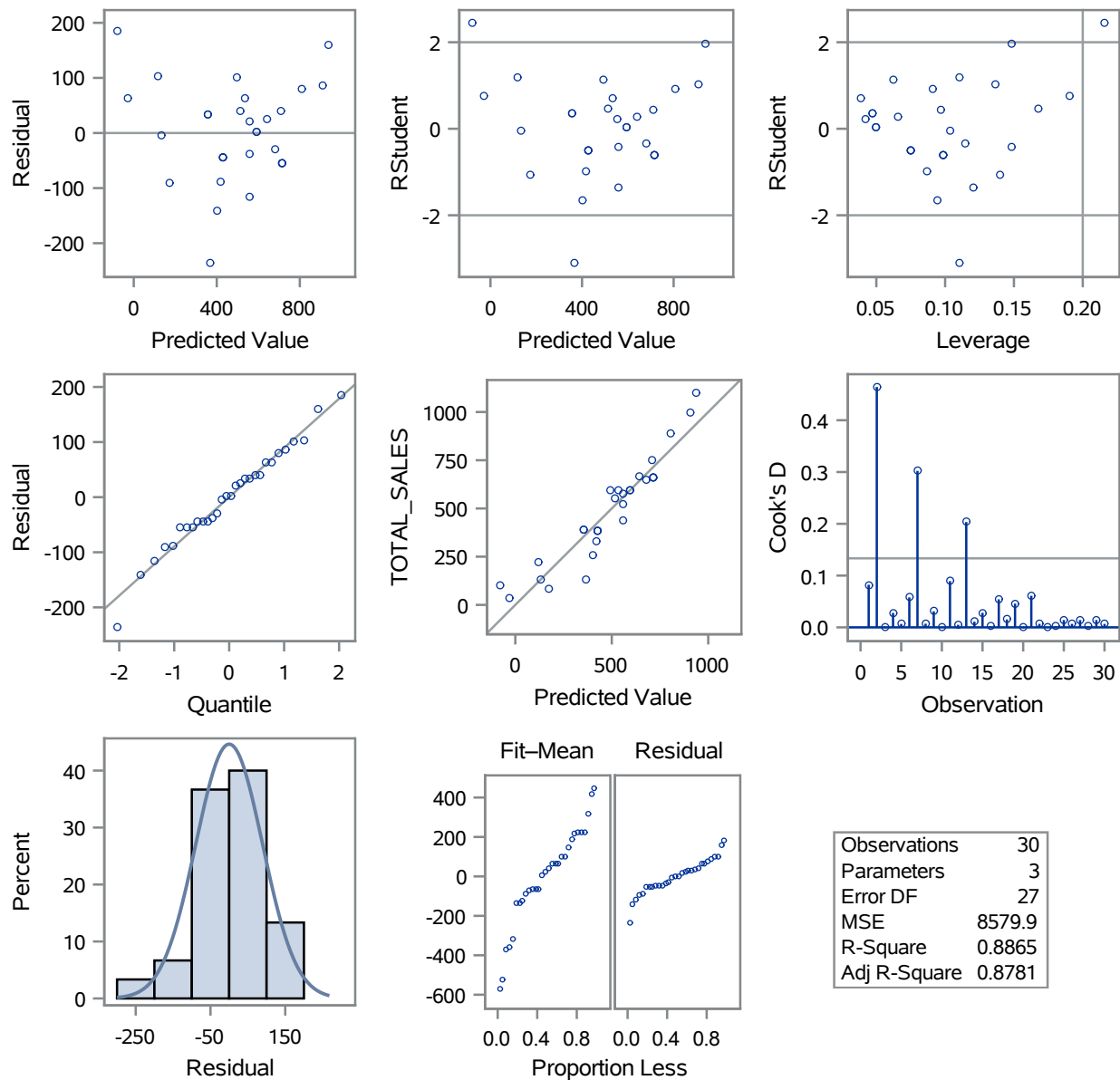
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**Fit Diagnostics for TOTAL\_SALES**



The REG Procedure  
Model: MODEL1  
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