

Data Set Name	WORK.SHOES	Observations	395
Member Type	DATA	Variables	10
Engine	V9	Indexes	0
Created	08/25/2024 03:56:37	Observation Length	112
Last Modified	08/25/2024 03:56:37	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	1168
Obs in First Data Page	395
Number of Data Set Repairs	0
Filename	/saswork/SAS_workD56100005E34_odaws01-usw2.oda.sas.com/SAS_work3C5A00005E34_odaws01-usw2.oda.sas.com/shoes.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	1074808727
Access Permission	rw-r--r--
Owner Name	u63413844
File Size	256KB
File Size (bytes)	262144

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
1	Region	Char	25			
2	Product	Char	14			
3	Subsidiary	Char	12			
4	Stores	Num	8			Number of Stores
5	Sales	Num	8	DOLLAR12.	DOLLAR12.	Total Sales
6	Inventory	Num	8	DOLLAR12.	DOLLAR12.	Total Inventory
7	Returns	Num	8	DOLLAR12.	DOLLAR12.	Total Returns
8	pct_returned	Num	8	PERCENTN6.2		

Variables in Creation Order						
#	Variable	Type	Len	Format	Informat	Label
9	net_sales	Num	8	DOLLAR12.		
10	inventory_to_sales	Num	8	5.2		

Obs	Region	Product	Subsidiary	Stores	Sales	Inventory	Returns	pct_returned	net_sales	inventory_to_sales
1	Africa	Boot	Addis Ababa	12	\$29,761	\$191,821	\$769	2.6%	\$28,992	6.62
2	Africa	Men's Casual	Addis Ababa	4	\$67,242	\$118,036	\$2,284	3.4%	\$64,958	1.82
3	Africa	Men's Dress	Addis Ababa	7	\$76,793	\$136,273	\$2,433	3.2%	\$74,360	1.83
4	Africa	Sandal	Addis Ababa	10	\$62,819	\$204,284	\$1,861	3.0%	\$60,958	3.35
5	Africa	Slipper	Addis Ababa	14	\$68,641	\$279,795	\$1,771	2.6%	\$66,870	4.18
6	Africa	Sport Shoe	Addis Ababa	4	\$1,690	\$16,634	\$79	4.7%	\$1,611	10.33
7	Africa	Women's Casual	Addis Ababa	2	\$51,541	\$98,641	\$940	1.8%	\$50,601	1.95
8	Africa	Women's Dress	Addis Ababa	12	\$108,942	\$311,017	\$3,233	3.0%	\$105,709	2.94
9	Africa	Boot	Algiers	21	\$21,297	\$73,737	\$710	3.3%	\$20,587	3.58
10	Africa	Men's Casual	Algiers	4	\$63,206	\$100,982	\$2,221	3.5%	\$60,985	1.66
11	Africa	Men's Dress	Algiers	13	\$123,743	\$428,575	\$3,621	2.9%	\$120,122	3.57
12	Africa	Sandal	Algiers	25	\$29,198	\$84,447	\$1,530	5.2%	\$27,668	3.05
13	Africa	Slipper	Algiers	17	\$64,891	\$248,198	\$1,823	2.8%	\$63,068	3.94
14	Africa	Sport Shoe	Algiers	9	\$2,617	\$9,372	\$168	6.4%	\$2,449	3.83
15	Africa	Women's Dress	Algiers	12	\$90,648	\$266,805	\$2,690	3.0%	\$87,958	3.03
16	Africa	Boot	Cairo	20	\$4,846	\$18,965	\$229	4.7%	\$4,617	4.11
17	Africa	Men's Casual	Cairo	25	\$360,209	\$1,063,251	\$9,424	2.6%	\$350,785	3.03
18	Africa	Men's Dress	Cairo	5	\$4,051	\$45,962	\$97	2.4%	\$3,954	11.62
19	Africa	Sandal	Cairo	9	\$10,532	\$50,430	\$598	5.7%	\$9,934	5.08
20	Africa	Slipper	Cairo	9	\$13,732	\$54,117	\$1,216	8.9%	\$12,516	4.32
21	Africa	Sport Shoe	Cairo	3	\$2,259	\$20,815	\$44	1.9%	\$2,215	9.40
22	Africa	Women's Casual	Cairo	14	\$328,474	\$940,851	\$10,124	3.1%	\$318,350	2.96
23	Africa	Women's Dress	Cairo	3	\$14,095	\$51,145	\$745	5.3%	\$13,350	3.83
24	Africa	Boot	Johannesburg	14	\$8,365	\$33,011	\$483	5.8%	\$7,882	4.19
25	Africa	Sandal	Johannesburg	13	\$17,337	\$63,003	\$809	4.7%	\$16,528	3.81
26	Africa	Slipper	Johannesburg	12	\$39,452	\$130,025	\$1,565	4.0%	\$37,887	3.43
27	Africa	Sport Shoe	Johannesburg	8	\$5,172	\$29,368	\$139	2.7%	\$5,033	5.84
28	Africa	Women's Dress	Johannesburg	4	\$42,682	\$120,127	\$966	2.3%	\$41,716	2.88
29	Africa	Boot	Khartoum	24	\$19,282	\$105,370	\$700	3.6%	\$18,582	5.67
30	Africa	Men's Casual	Khartoum	1	\$9,244	\$16,230	\$478	5.2%	\$8,766	1.85
31	Africa	Men's Dress	Khartoum	3	\$18,053	\$51,132	\$1,177	6.5%	\$16,876	3.03
32	Africa	Sandal	Khartoum	18	\$26,427	\$81,825	\$1,281	4.8%	\$25,146	3.25
33	Africa	Slipper	Khartoum	11	\$43,452	\$143,015	\$1,573	3.6%	\$41,879	3.41
34	Africa	Sport Shoe	Khartoum	7	\$2,521	\$27,041	\$84	3.3%	\$2,437	11.10
35	Africa	Women's Casual	Khartoum	1	\$19,582	\$30,727	\$384	2.0%	\$19,198	1.60
36	Africa	Women's Dress	Khartoum	6	\$48,031	\$132,679	\$1,374	2.9%	\$46,657	2.84
37	Africa	Boot	Kinshasa	16	\$13,921	\$70,736	\$553	4.0%	\$13,368	5.29
38	Africa	Men's Dress	Kinshasa	5	\$57,691	\$95,663	\$1,699	2.9%	\$55,992	1.71

Obs	Region	Product	Subsidiary	Stores	Sales	Inventory	Returns	pct_returned	net_sales	inventory_to_sales
39	Africa	Sandal	Kinshasa	10	\$16,662	\$104,438	\$611	3.7%	\$16,051	6.51
40	Africa	Slipper	Kinshasa	11	\$52,807	\$183,937	\$1,440	2.7%	\$51,367	3.58
41	Africa	Sport Shoe	Kinshasa	10	\$4,888	\$27,998	\$162	3.3%	\$4,726	5.92
42	Africa	Women's Casual	Kinshasa	1	\$17,919	\$21,363	\$400	2.2%	\$17,519	1.22
43	Africa	Women's Dress	Kinshasa	3	\$32,928	\$87,149	\$717	2.2%	\$32,211	2.71
44	Africa	Boot	Luanda	8	\$6,081	\$51,572	\$325	5.3%	\$5,756	8.96
45	Africa	Men's Casual	Luanda	3	\$62,893	\$149,864	\$1,701	2.7%	\$61,192	2.45
46	Africa	Men's Dress	Luanda	2	\$29,582	\$67,247	\$705	2.4%	\$28,877	2.33
47	Africa	Sandal	Luanda	9	\$11,145	\$19,900	\$657	5.9%	\$10,488	1.90
48	Africa	Slipper	Luanda	5	\$19,146	\$97,060	\$701	3.7%	\$18,445	5.26
49	Africa	Sport Shoe	Luanda	2	\$801	\$3,247	\$29	3.6%	\$772	4.21
50	Africa	Women's Dress	Luanda	1	\$8,467	\$47,387	\$210	2.5%	\$8,257	5.74

num_rows
395

Check for Duplicates: if distinct_rows = num_rows. No duplicates

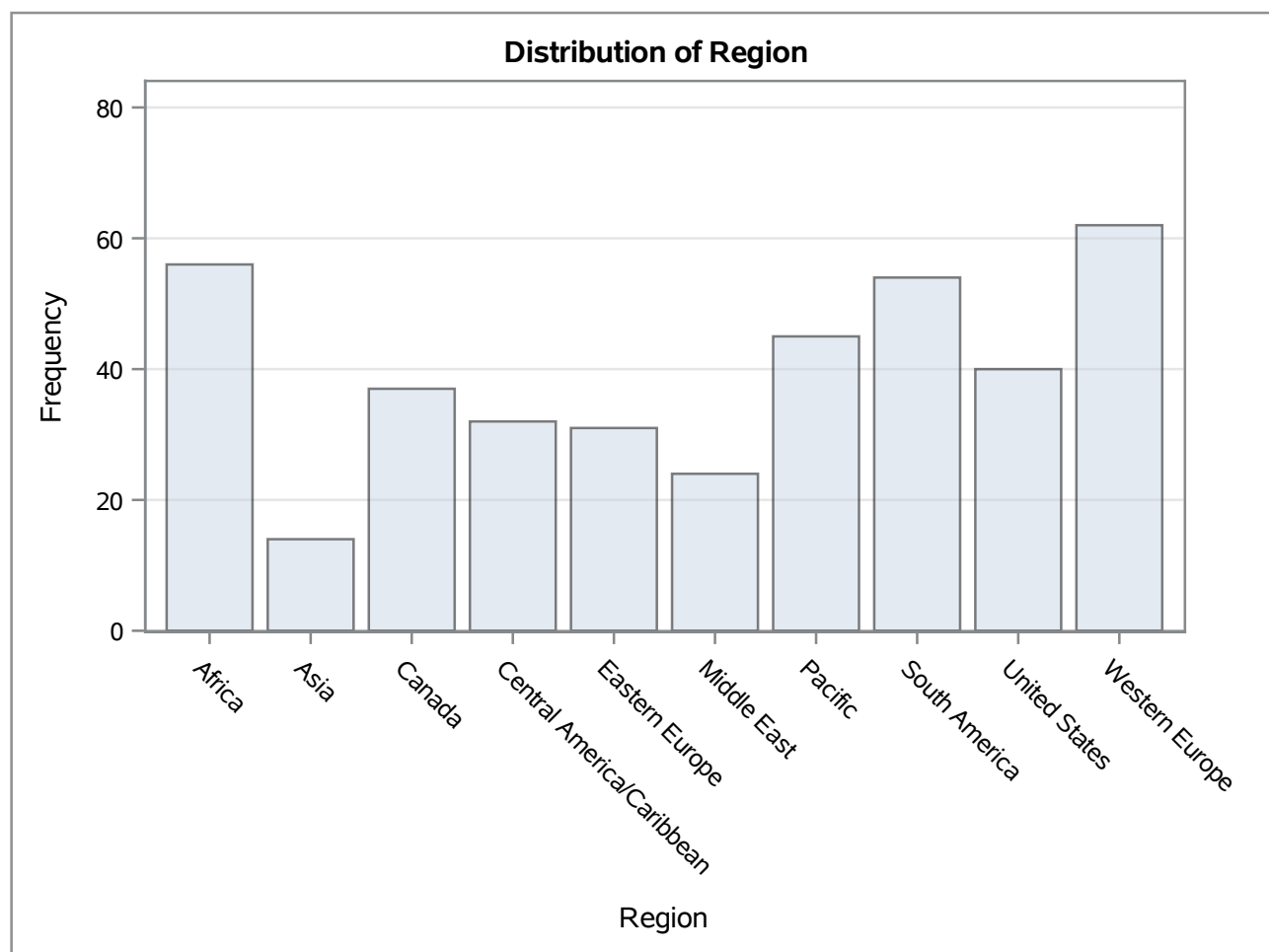
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Region	Frequency
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Product	Frequency
Not Missing	395

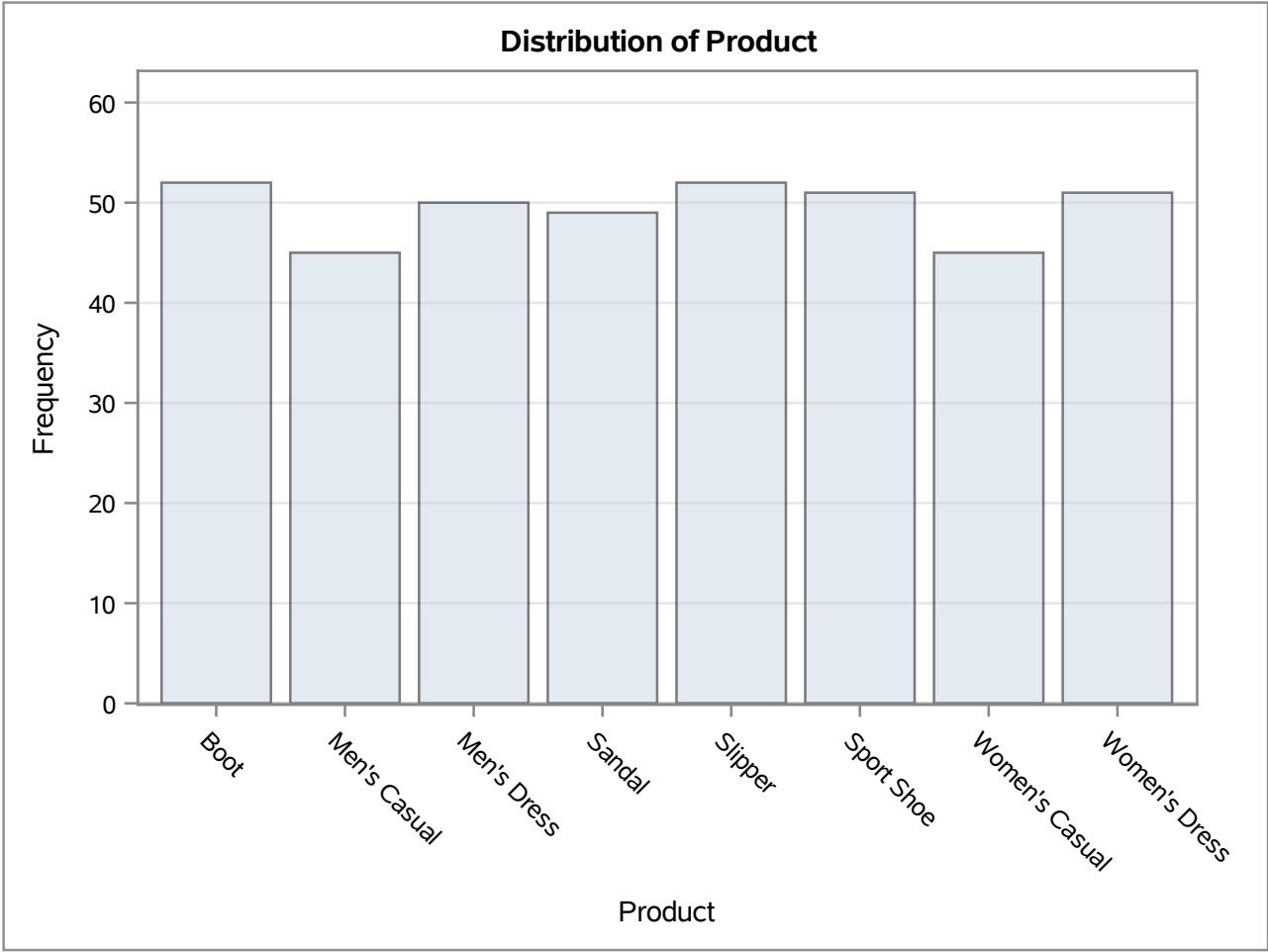
Subsidiary	Frequency
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Region	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Africa	56	14.18	56	14.18
Asia	14	3.54	70	17.72
Canada	37	9.37	107	27.09
Central America/Caribbean	32	8.10	139	35.19
Eastern Europe	31	7.85	170	43.04
Middle East	24	6.08	194	49.11
Pacific	45	11.39	239	60.51
South America	54	13.67	293	74.18
United States	40	10.13	333	84.30
Western Europe	62	15.70	395	100.00



Product	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Boot	52	13.16	52	13.16
Men's Casual	45	11.39	97	24.56
Men's Dress	50	12.66	147	37.22
Sandal	49	12.41	196	49.62
Slipper	52	13.16	248	62.78

Product	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Sport Shoe	51	12.91	299	75.70
Women's Casual	45	11.39	344	87.09
Women's Dress	51	12.91	395	100.00



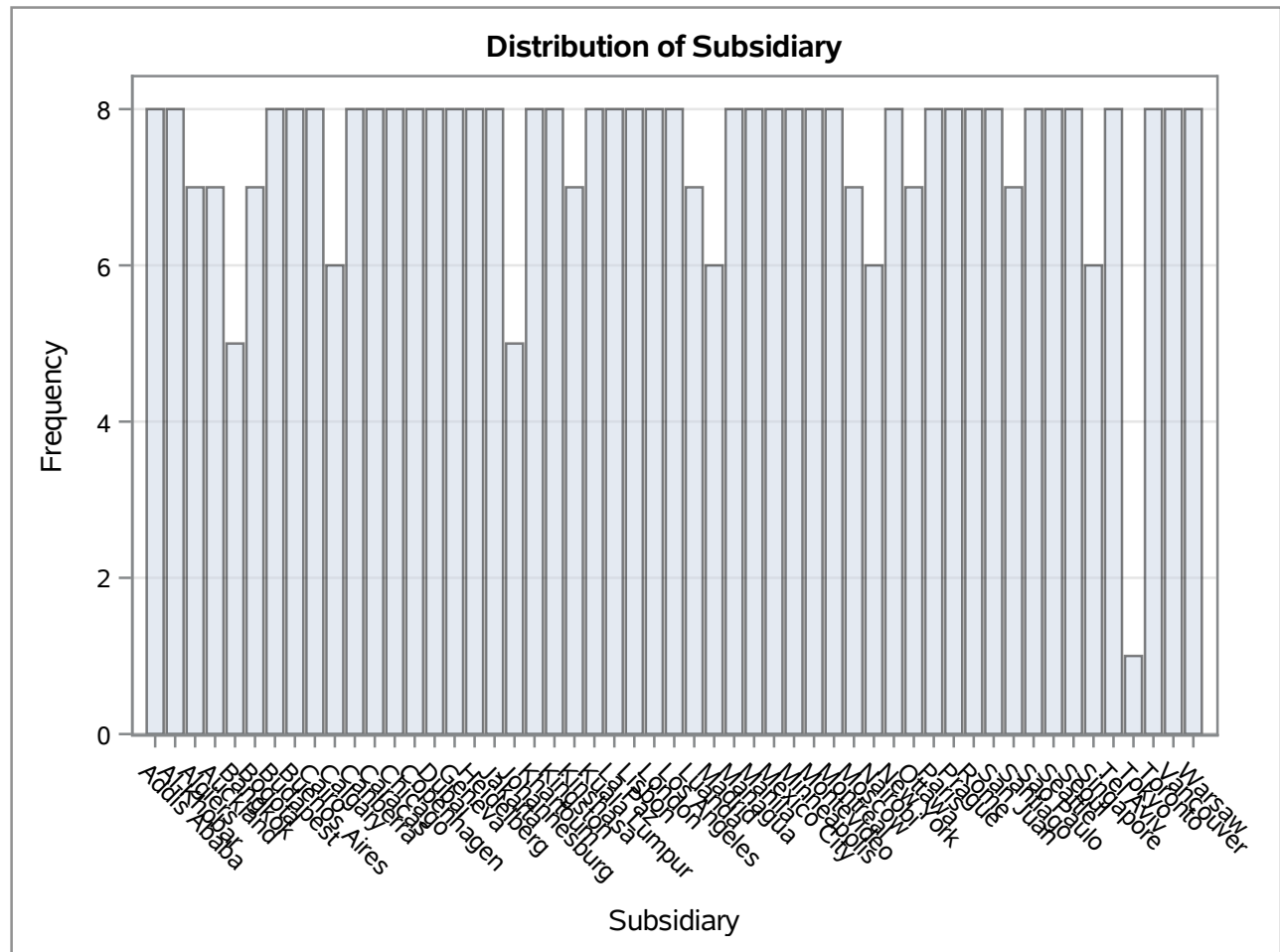
Categorical features

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Subsidiary	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Addis Ababa	8	2.03	8	2.03
Al-Khobar	8	2.03	16	4.05
Algiers	7	1.77	23	5.82
Auckland	7	1.77	30	7.59
Bangkok	5	1.27	35	8.86
Bogota	7	1.77	42	10.63
Budapest	8	2.03	50	12.66
Buenos Aires	8	2.03	58	14.68
Cairo	8	2.03	66	16.71
Calgary	6	1.52	72	18.23
Canberra	8	2.03	80	20.25
Caracas	8	2.03	88	22.28
Chicago	8	2.03	96	24.30
Copenhagen	8	2.03	104	26.33
Dubai	8	2.03	112	28.35
Geneva	8	2.03	120	30.38
Heidelberg	8	2.03	128	32.41
Jakarta	8	2.03	136	34.43
Johannesburg	5	1.27	141	35.70
Khartoum	8	2.03	149	37.72
Kingston	8	2.03	157	39.75
Kinshasa	7	1.77	164	41.52
Kuala Lumpur	8	2.03	172	43.54
La Paz	8	2.03	180	45.57
Lisbon	8	2.03	188	47.59
London	8	2.03	196	49.62
Los Angeles	8	2.03	204	51.65
Luanda	7	1.77	211	53.42
Madrid	6	1.52	217	54.94
Managua	8	2.03	225	56.96
Manila	8	2.03	233	58.99
Mexico City	8	2.03	241	61.01
Minneapolis	8	2.03	249	63.04
Montevideo	8	2.03	257	65.06
Montreal	8	2.03	265	67.09
Moscow	7	1.77	272	68.86
Nairobi	6	1.52	278	70.38

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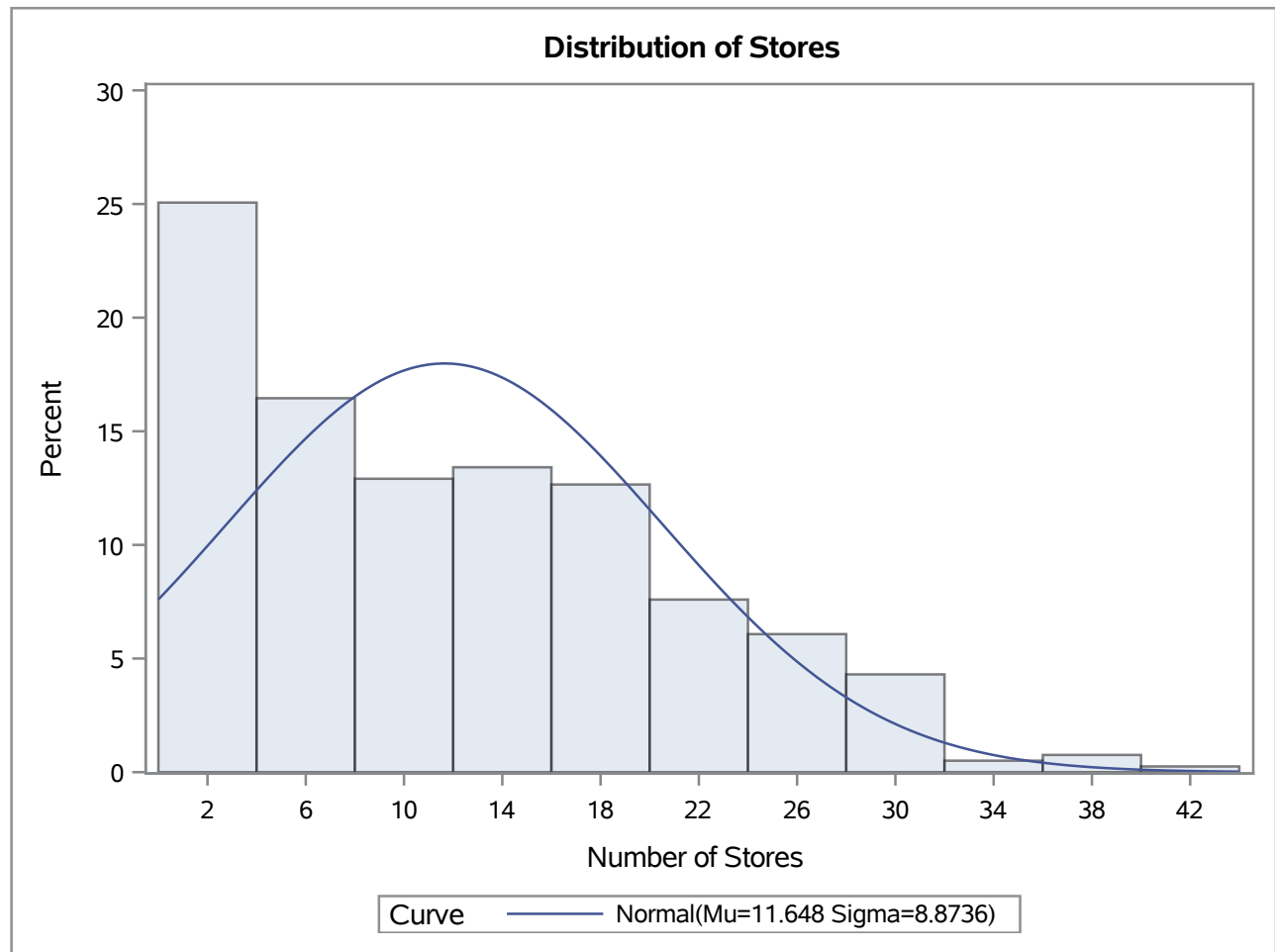
Subsidiary	Frequency	Percent	Cumulative Frequency	Cumulative Percent
New York	8	2.03	286	72.41
Ottawa	7	1.77	293	74.18
Paris	8	2.03	301	76.20
Prague	8	2.03	309	78.23
Rome	8	2.03	317	80.25
San Juan	8	2.03	325	82.28
Santiago	7	1.77	332	84.05
Sao Paulo	8	2.03	340	86.08
Seattle	8	2.03	348	88.10
Seoul	8	2.03	356	90.13
Singapore	6	1.52	362	91.65
Tel Aviv	8	2.03	370	93.67
Tokyo	1	0.25	371	93.92
Toronto	8	2.03	379	95.95
Vancouver	8	2.03	387	97.97
Warsaw	8	2.03	395	100.00



Variable	Label	N	N Miss	Minimum	Mean	Median	Maximum
Sales	Total Sales	395	0	325.0000000	85700.17	38912.00	1298717.00
Returns	Total Returns	395	0	10.0000000	2967.32	1438.00	57362.00
net_sales		395	0	315.0000000	82732.85	37645.00	1241355.00
Inventory	Total Inventory	395	0	374.0000000	250898.86	118849.00	2881005.00
Stores	Number of Stores	395	0	1.0000000	11.6481013	10.0000000	41.0000000
pct_returned		395	0	0.0046003	0.0390776	0.0363991	0.0957684
inventory_to_sales		395	0	0.1178016	4.3117458	3.2543915	89.3532595

Frequency
Percent
Row Pct
Col Pct

Table of Region by Product									
Region	Product								
	Boot	Men's Casual	Men's Dress	Sandal	Slipper	Sport Shoe	Women's Casual	Women's Dress	Total
Africa	8	5	7	8	8	8	4	8	56
	2.03	1.27	1.77	2.03	2.03	2.03	1.01	2.03	14.18
	14.29	8.93	12.50	14.29	14.29	14.29	7.14	14.29	
	15.38	11.11	14.00	16.33	15.38	15.69	8.89	15.69	
Asia	2	1	2	2	2	2	2	1	14
	0.51	0.25	0.51	0.51	0.51	0.51	0.51	0.25	3.54
	14.29	7.14	14.29	14.29	14.29	14.29	14.29	7.14	
	3.85	2.22	4.00	4.08	3.85	3.92	4.44	1.96	
Canada	5	4	4	5	5	5	4	5	37
	1.27	1.01	1.01	1.27	1.27	1.27	1.01	1.27	9.37
	13.51	10.81	10.81	13.51	13.51	13.51	10.81	13.51	
	9.62	8.89	8.00	10.20	9.62	9.80	8.89	9.80	
Central America/Caribbean	4	4	4	4	4	4	4	4	32
	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	8.10
	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	
	7.69	8.89	8.00	8.16	7.69	7.84	8.89	7.84	
Eastern Europe	4	4	4	3	4	4	4	4	31
	1.01	1.01	1.01	0.76	1.01	1.01	1.01	1.01	7.85
	12.90	12.90	12.90	9.68	12.90	12.90	12.90	12.90	
	7.69	8.89	8.00	6.12	7.69	7.84	8.89	7.84	
Middle East	3	3	3	3	3	3	3	3	24
	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	6.08
	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	
	5.77	6.67	6.00	6.12	5.77	5.88	6.67	5.88	
Pacific	6	5	6	6	6	5	5	6	45
	1.52	1.27	1.52	1.52	1.52	1.27	1.27	1.52	11.39
	13.33	11.11	13.33	13.33	13.33	11.11	11.11	13.33	
	11.54	11.11	12.00	12.24	11.54	9.80	11.11	11.76	
South America	7	6	7	7	7	7	6	7	54
	1.77	1.52	1.77	1.77	1.77	1.77	1.52	1.77	13.67
	12.96	11.11	12.96	12.96	12.96	12.96	11.11	12.96	
	13.46	13.33	14.00	14.29	13.46	13.73	13.33	13.73	
United States	5	5	5	5	5	5	5	5	40
	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	10.13
	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	
	9.62	11.11	10.00	10.20	9.62	9.80	11.11	9.80	
Western Europe	8	8	8	6	8	8	8	8	62
	2.03	2.03	2.03	1.52	2.03	2.03	2.03	2.03	15.70
	12.90	12.90	12.90	9.68	12.90	12.90	12.90	12.90	
	15.38	17.78	16.00	12.24	15.38	15.69	17.78	15.69	
Total	52	45	50	49	52	51	45	51	395
	13.16	11.39	12.66	12.41	13.16	12.91	11.39	12.91	100.00

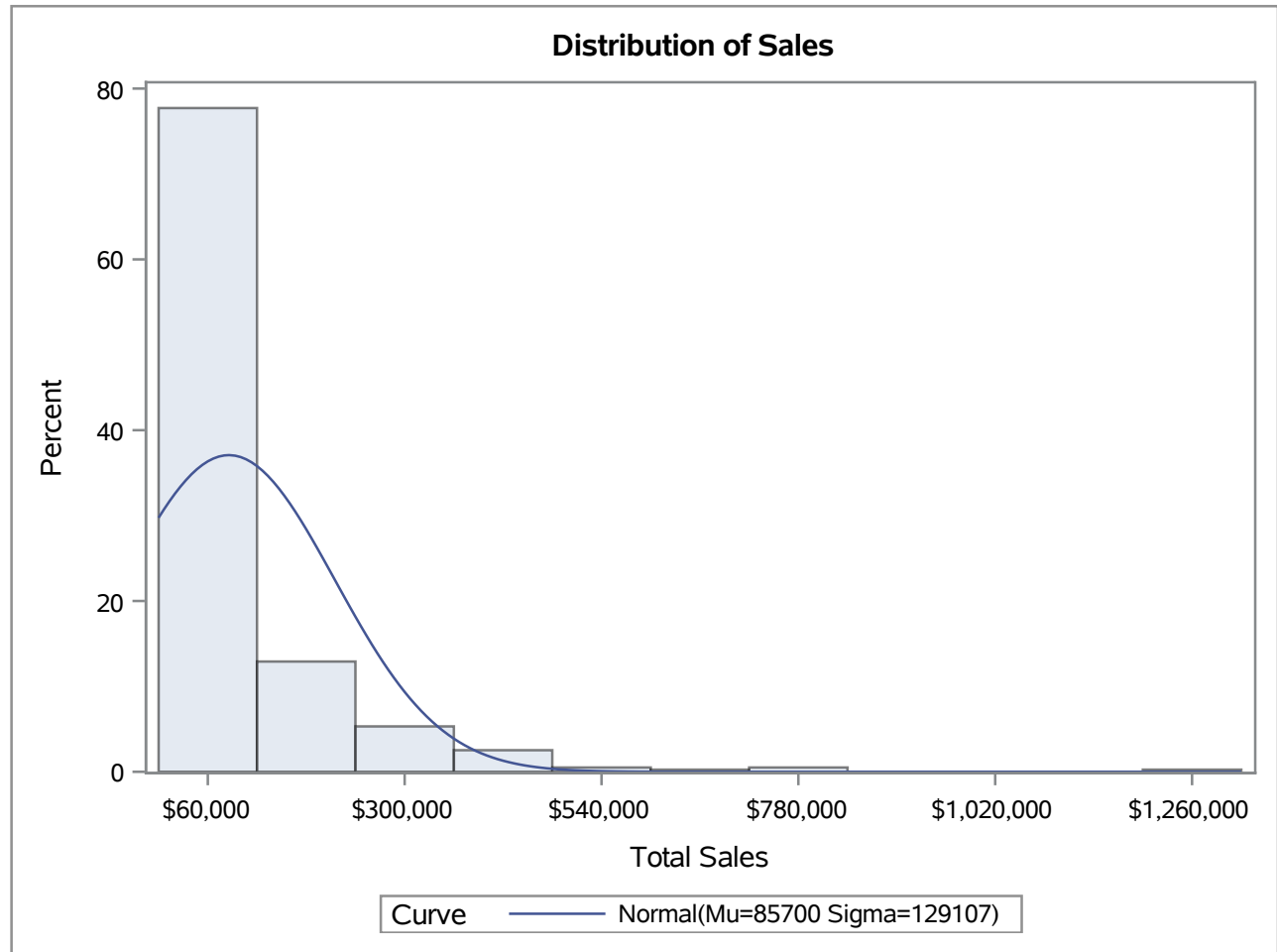


Fitted Normal Distribution for Stores (Number of Stores)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	11.6481
Std Dev	Sigma	8.873631

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.11507528	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.21451042	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	8.26848265	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-8.99505
5.0	1.00000	-2.94772
10.0	2.00000	0.27608
25.0	3.00000	5.66293
50.0	10.00000	11.64810
75.0	18.00000	17.63327
90.0	25.00000	23.02012
95.0	28.00000	26.24393
99.0	37.00000	32.29125

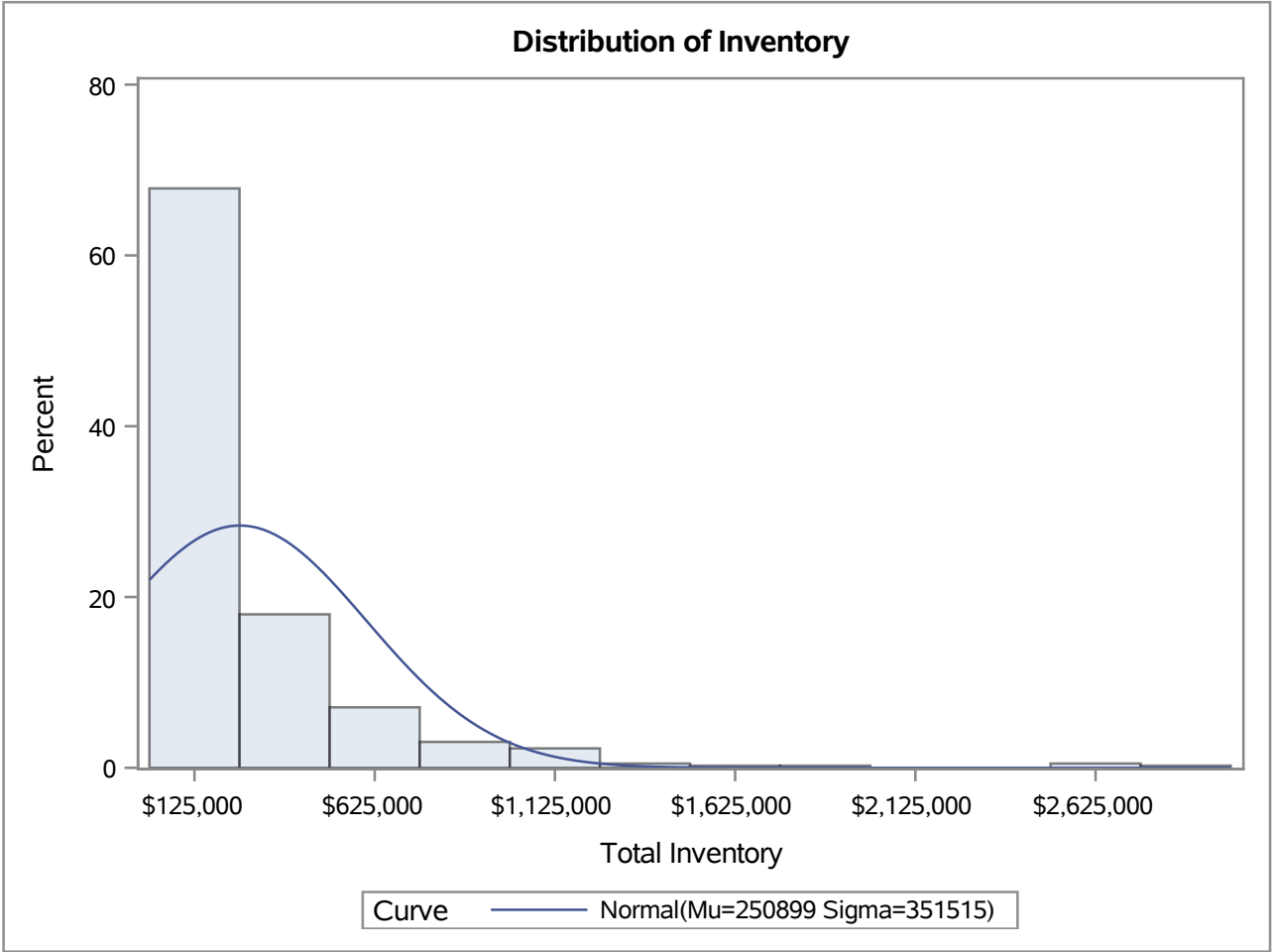


Fitted Normal Distribution for Sales (Total Sales)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	85700.17
Std Dev	Sigma	129107.2

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2542185	Pr > D	<0.010
Cramer-von Mises	W-Sq	7.5422192	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	40.0043421	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	554.000	-214648.17
5.0	1487.000	-126662.33
10.0	2617.000	-79757.41
25.0	15312.000	-1381.34
50.0	38912.000	85700.17
75.0	108936.000	172781.67
90.0	229372.000	251157.74
95.0	328474.000	298062.67
99.0	700513.000	386048.51

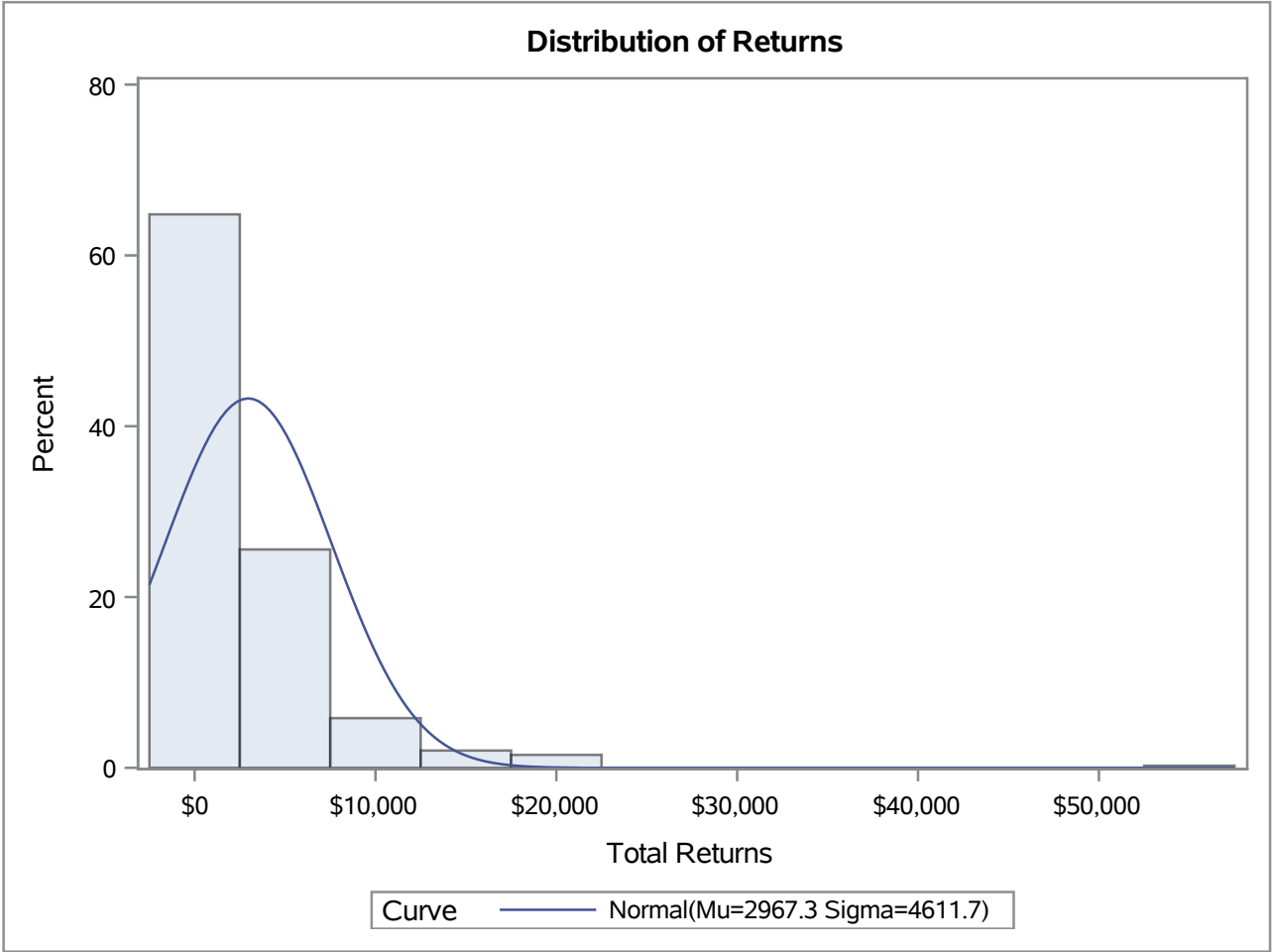


Fitted Normal Distribution for Inventory (Total Inventory)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	250898.9
Std Dev	Sigma	351514.6

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2380154	Pr > D	<0.010
Cramer-von Mises	W-Sq	6.5515766	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	35.3737359	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	960.000	-566846.4
5.0	6763.000	-327291.2
10.0	15889.000	-199585.3
25.0	43155.000	13805.9
50.0	118849.000	250898.9
75.0	336513.000	487991.9
90.0	625925.000	701383.0
95.0	882080.000	829089.0
99.0	1847559.000	1068644.2

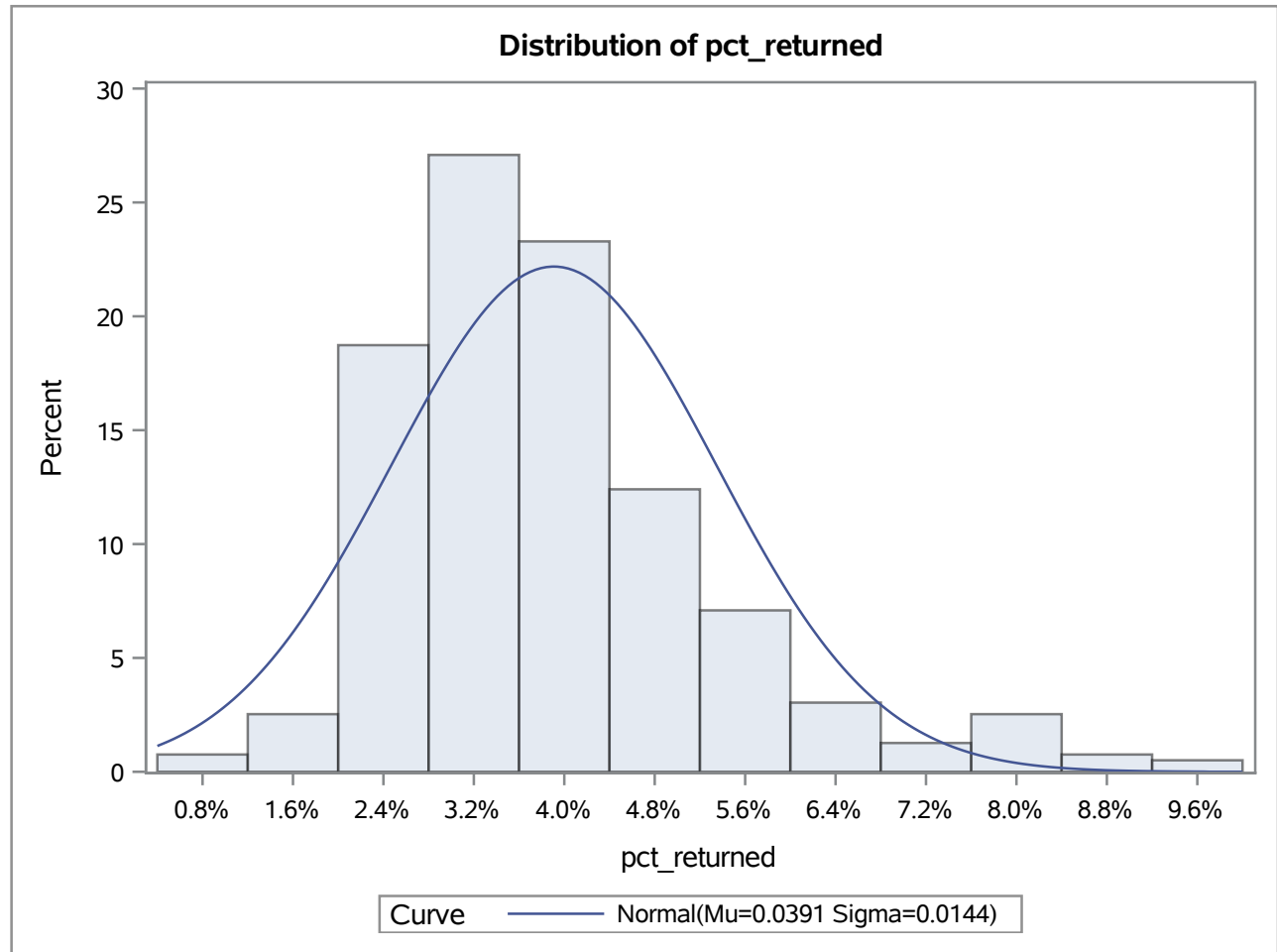


Fitted Normal Distribution for Returns (Total Returns)

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2967.322
Std Dev	Sigma	4611.743

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2606772	Pr > D	<0.010
Cramer-von Mises	W-Sq	7.7204554	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	41.0743528	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	22.0000	-7761.196
5.0	51.0000	-4618.320
10.0	120.0000	-2942.864
25.0	578.0000	-143.252
50.0	1438.0000	2967.322
75.0	3698.0000	6077.895
90.0	7447.0000	8877.508
95.0	10654.0000	10552.963
99.0	20005.0000	13695.839

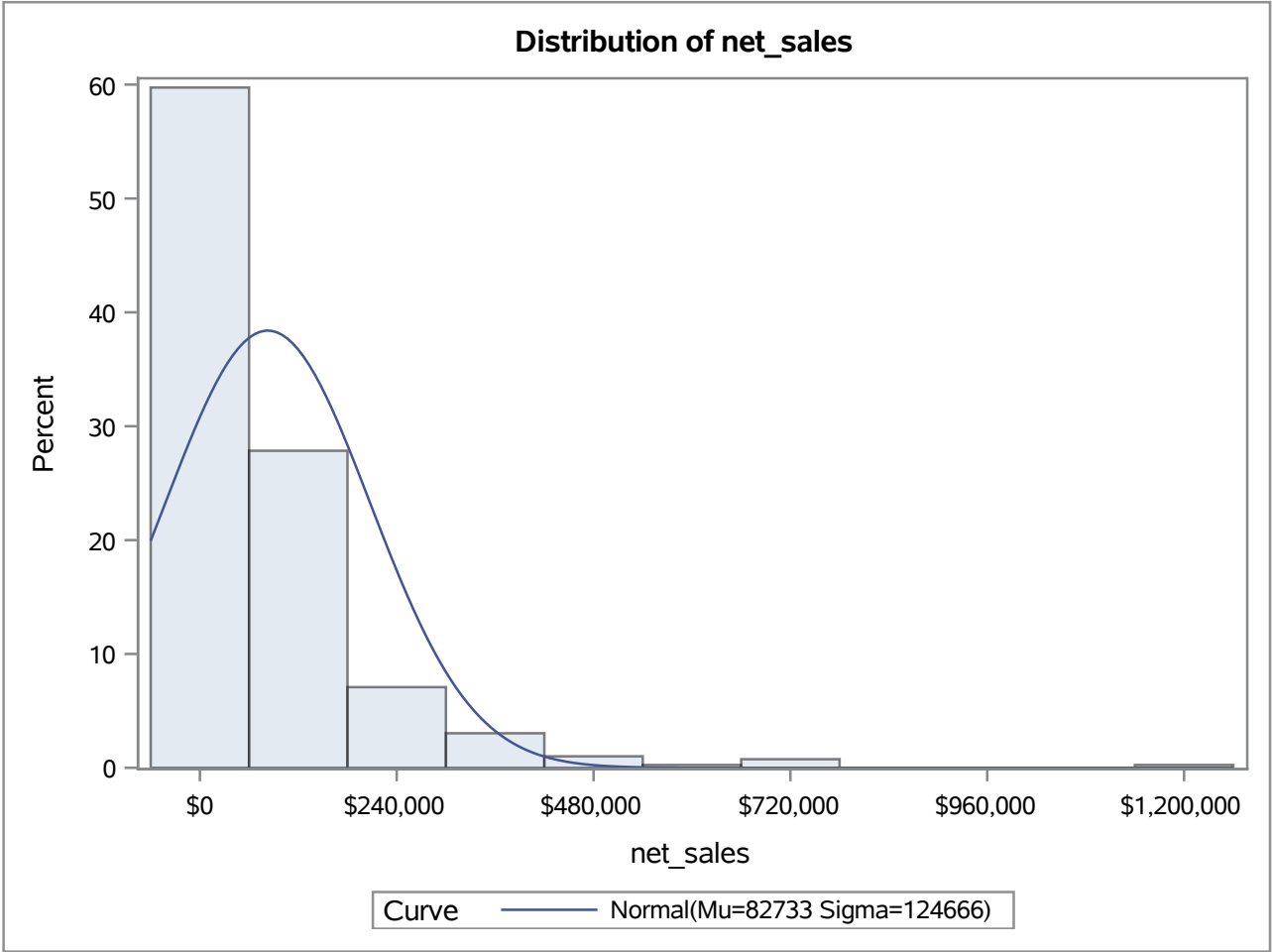


Fitted Normal Distribution for pct_returned

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.039078
Std Dev	Sigma	0.014386

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10408854	Pr > D	<0.010
Cramer-von Mises	W-Sq	1.38855729	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	8.59812752	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.01608	0.00561
5.0	0.02221	0.01541
10.0	0.02432	0.02064
25.0	0.02945	0.02937
50.0	0.03640	0.03908
75.0	0.04528	0.04878
90.0	0.05689	0.05751
95.0	0.06896	0.06274
99.0	0.08863	0.07254

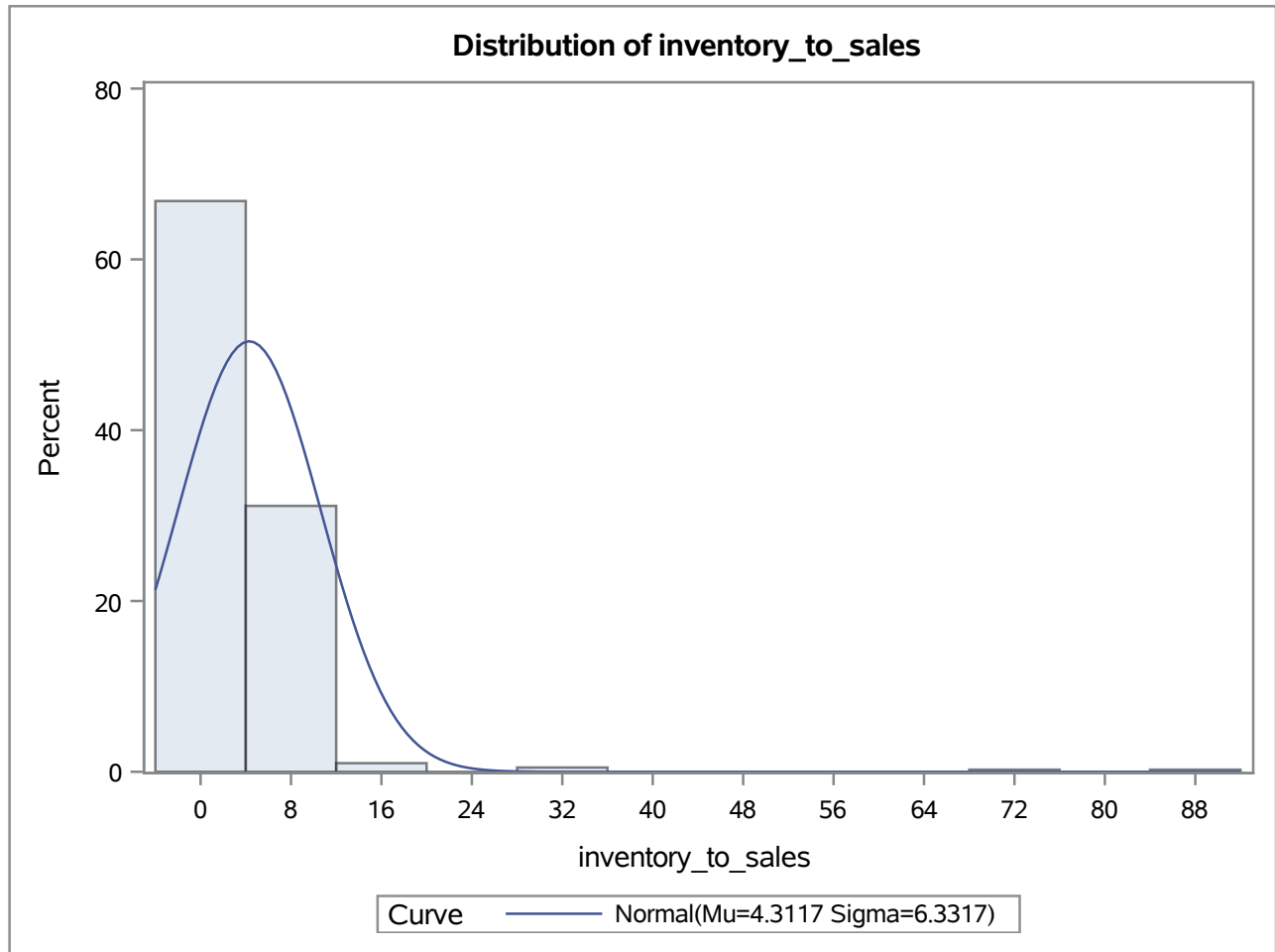


Fitted Normal Distribution for net_sales

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	82732.85
Std Dev	Sigma	124665.9

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2542710	Pr > D	<0.010
Cramer-von Mises	W-Sq	7.5445659	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	40.0099191	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	531.000	-207283.48
5.0	1400.000	-122324.37
10.0	2573.000	-77032.98
25.0	14297.000	-1353.05
50.0	37645.000	82732.85
75.0	105334.000	166818.74
90.0	222107.000	242498.67
95.0	318350.000	287790.06
99.0	679266.000	372749.17



Fitted Normal Distribution for inventory_to_sales

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.311746
Std Dev	Sigma	6.331691

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.2850758	Pr > D	<0.010
Cramer-von Mises	W-Sq	14.0814467	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	72.5174268	Pr > A-Sq	<0.005

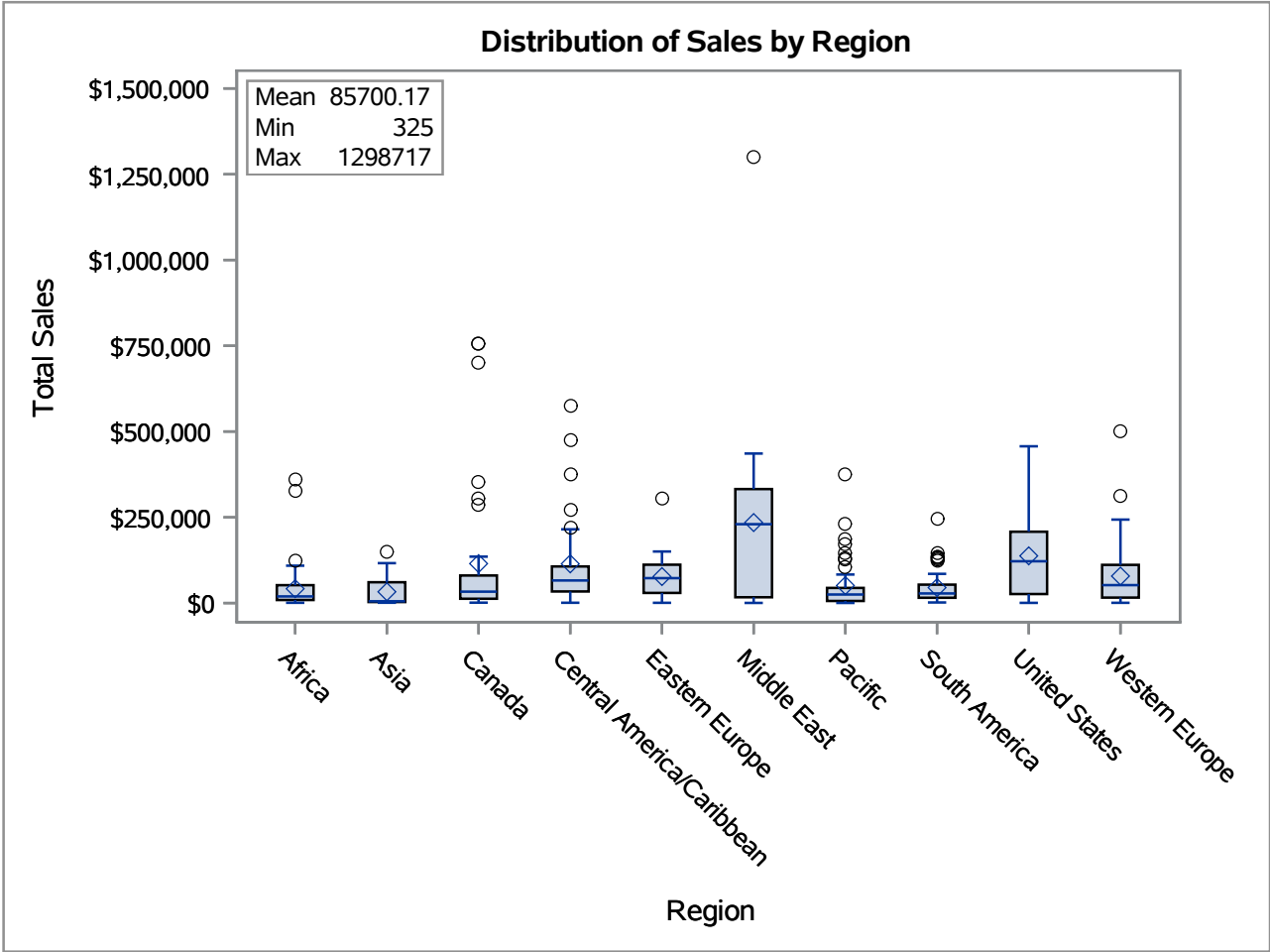
Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.49083	-10.41797
5.0	1.39153	-6.10296
10.0	1.84047	-3.80264
25.0	2.47361	0.04109
50.0	3.25439	4.31175
75.0	4.47729	8.58241
90.0	6.26859	12.42613
95.0	8.86244	14.72645
99.0	29.81116	19.04146

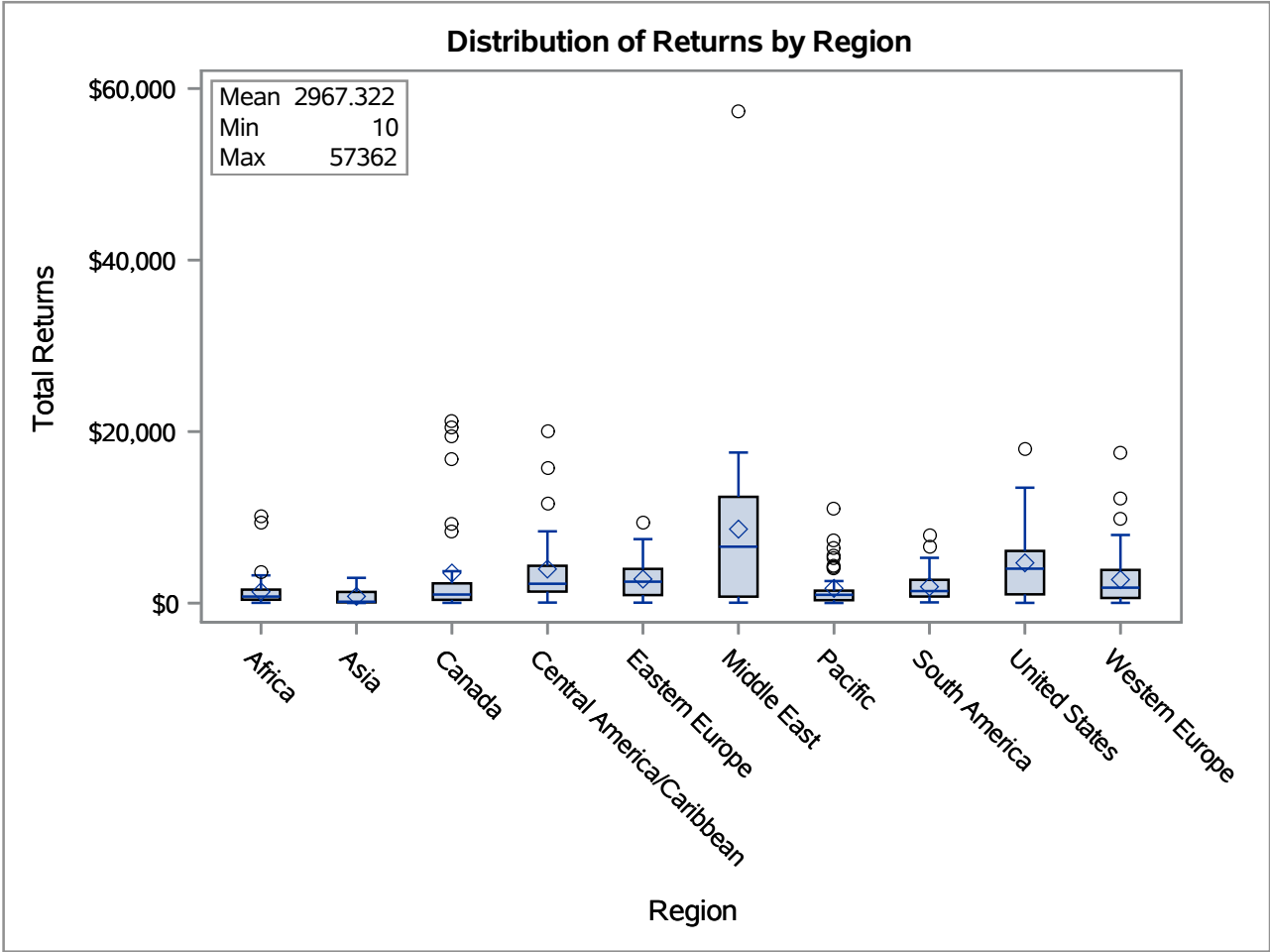
Sales, Returns, & Inventory by Subsidiary

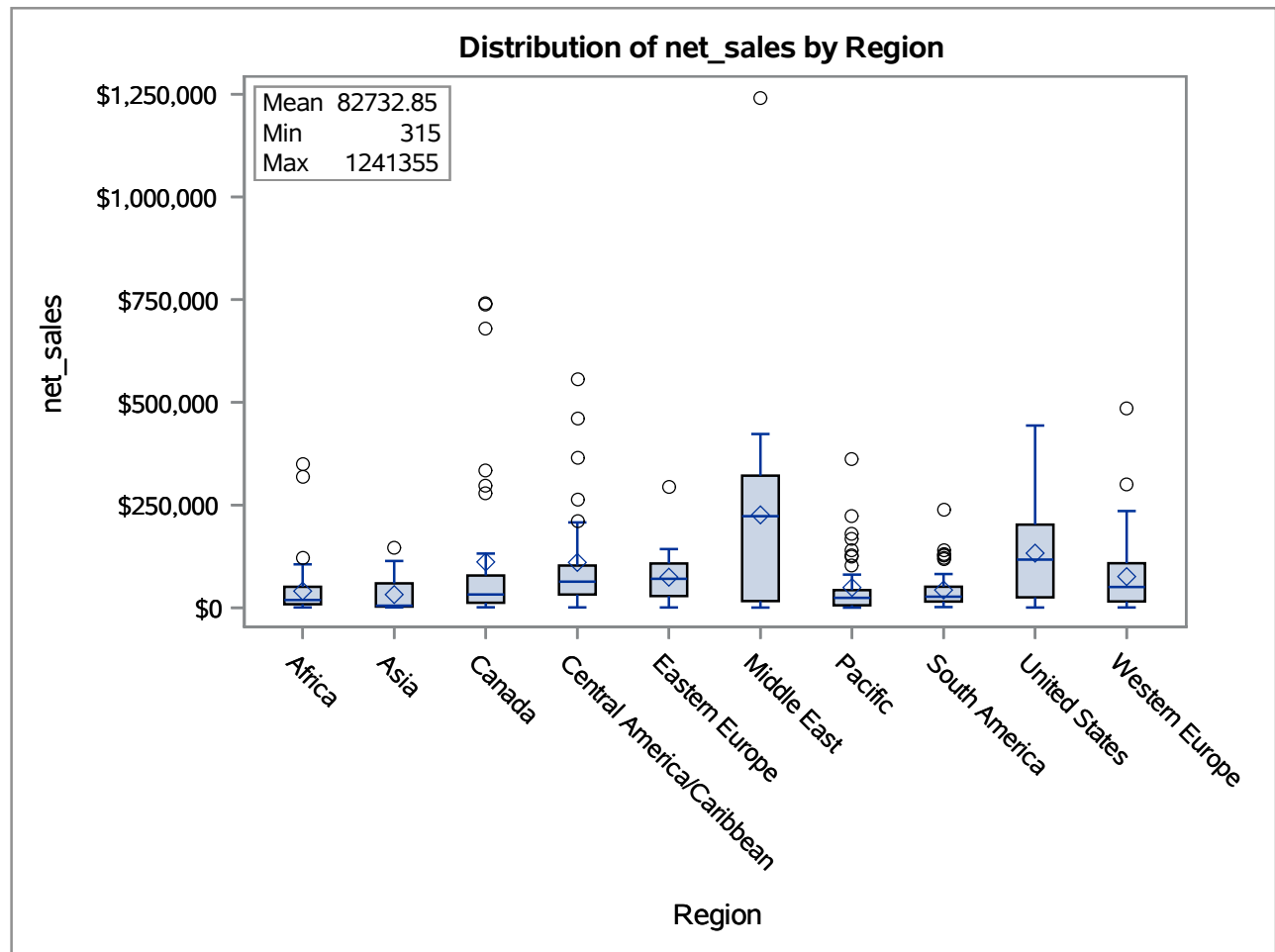
Region	Subsidiary	num_stores	tot_sales	tot_returns	tot_netsales	tot_inventory
Africa	Addis Ababa	65	\$467,429	\$13,370	\$454,059	\$1,356,501
Africa	Algiers	101	\$395,600	\$12,763	\$382,837	\$1,212,116
Africa	Cairo	88	\$738,198	\$22,477	\$715,721	\$2,245,536
Africa	Johannesburg	51	\$113,008	\$3,962	\$109,046	\$375,534
Africa	Khartoum	71	\$186,592	\$7,051	\$179,541	\$588,019
Africa	Kinshasa	56	\$196,816	\$5,582	\$191,234	\$591,284
Africa	Luanda	30	\$138,115	\$4,328	\$133,787	\$436,277
Africa	Nairobi	70	\$106,830	\$4,554	\$102,276	\$295,806
Asia	Bangkok	5	\$16,667	\$564	\$16,103	\$77,820
Asia	Seoul	59	\$442,409	\$10,309	\$432,100	\$1,082,717
Asia	Tokyo	1	\$1,155	\$22	\$1,133	\$15,602
Canada	Calgary	29	\$61,403	\$1,977	\$59,426	\$259,578
Canada	Montreal	115	\$531,028	\$15,784	\$515,244	\$1,997,465
Canada	Ottawa	29	\$115,741	\$3,949	\$111,792	\$294,163
Canada	Toronto	76	\$319,772	\$9,727	\$310,045	\$1,042,519
Canada	Vancouver	193	\$3,227,768	\$97,957	\$3,129,811	\$9,516,984
Central America/Caribbean	Kingston	218	\$2,235,204	\$75,945	\$2,159,259	\$5,859,938
Central America/Caribbean	Managua	113	\$414,806	\$14,311	\$400,495	\$1,164,674
Central America/Caribbean	Mexico City	103	\$368,588	\$12,825	\$355,763	\$1,116,181
Central America/Caribbean	San Juan	105	\$639,155	\$23,817	\$615,338	\$2,033,085
Eastern Europe	Budapest	85	\$410,529	\$16,151	\$394,378	\$1,371,968
Eastern Europe	Moscow	87	\$560,976	\$18,435	\$542,541	\$1,827,680
Eastern Europe	Prague	96	\$636,721	\$23,367	\$613,354	\$2,074,414
Eastern Europe	Warsaw	111	\$786,714	\$28,748	\$757,966	\$2,678,409
Middle East	Al-Khobar	110	\$1,153,667	\$36,285	\$1,117,382	\$2,648,670
Middle East	Dubai	153	\$1,910,544	\$64,433	\$1,846,111	\$5,036,871
Middle East	Tel Aviv	134	\$2,567,568	\$106,162	\$2,461,406	\$6,523,208
Pacific	Auckland	37	\$124,424	\$4,528	\$119,896	\$468,154
Pacific	Canberra	50	\$155,547	\$5,315	\$150,232	\$926,734
Pacific	Jakarta	84	\$649,044	\$20,790	\$628,254	\$2,040,119
Pacific	Kuala Lumpur	64	\$373,130	\$13,285	\$359,845	\$1,367,248
Pacific	Manila	103	\$854,904	\$28,962	\$825,942	\$2,713,076
Pacific	Singapore	18	\$139,745	\$4,249	\$135,496	\$455,960
South America	Bogota	89	\$206,234	\$10,093	\$196,141	\$422,355
South America	Buenos Aires	66	\$118,283	\$5,043	\$113,240	\$240,955
South America	Caracas	123	\$789,323	\$27,942	\$761,381	\$2,139,386
South America	La Paz	116	\$530,506	\$22,564	\$507,942	\$1,115,479

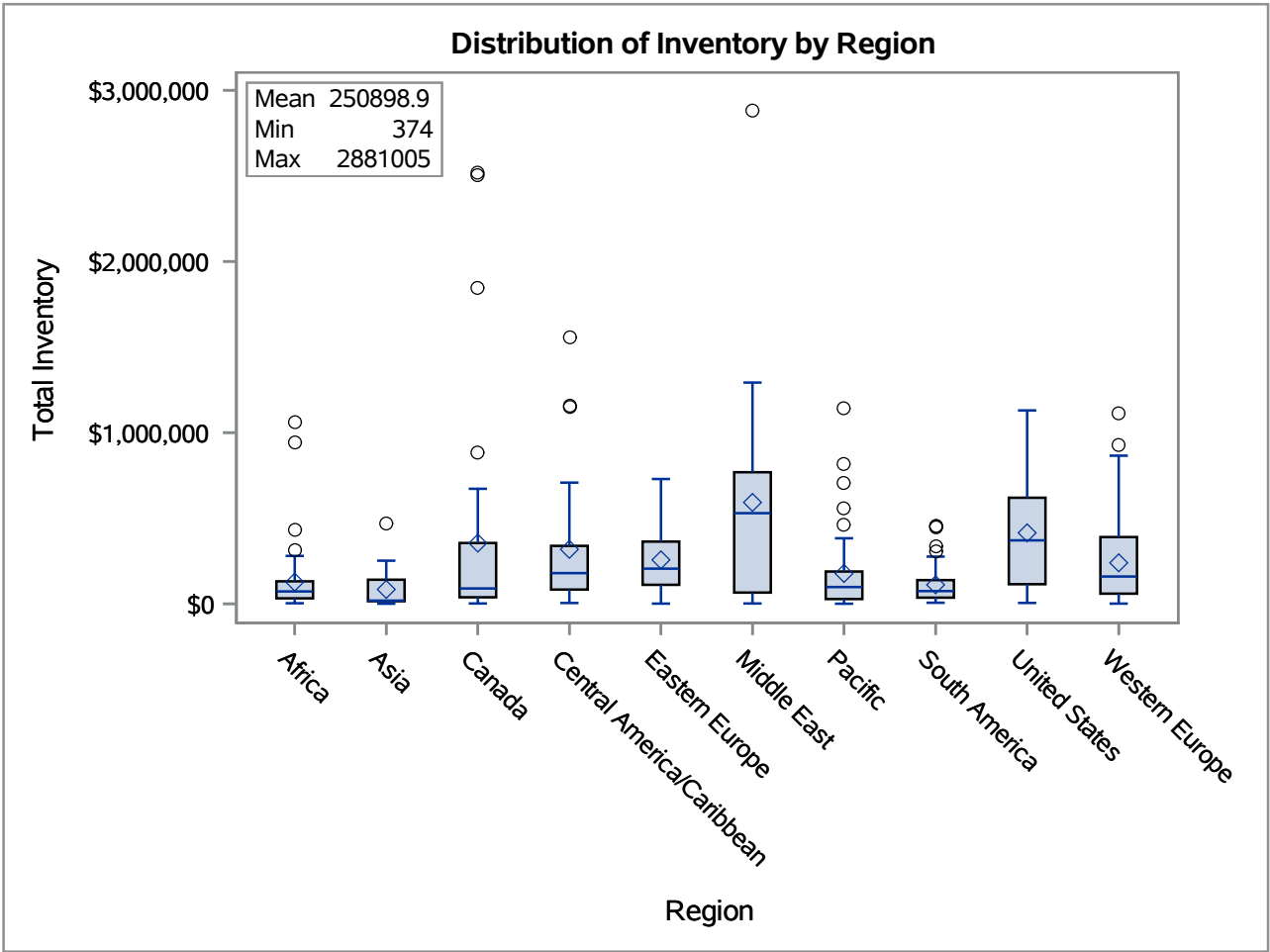
Sales, Returns, & Inventory by Subsidiary

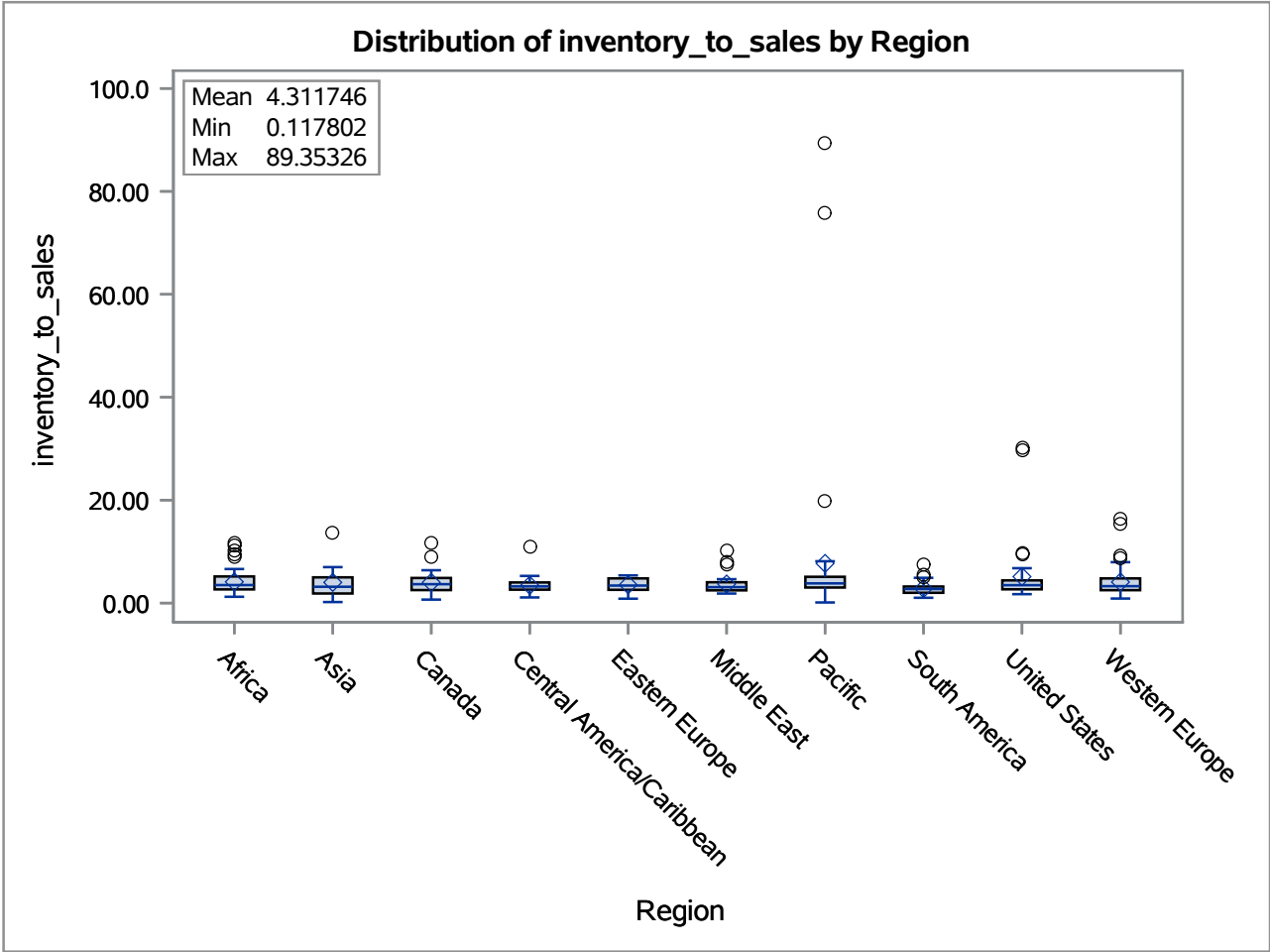
Region	Subsidiary	num_stores	tot_sales	tot_returns	tot_netsales	tot_inventory
South America	Montevideo	96	\$318,646	\$16,025	\$302,621	\$849,036
South America	Santiago	58	\$104,956	\$5,197	\$99,759	\$236,639
South America	Sao Paulo	84	\$366,835	\$15,987	\$350,848	\$982,244
United States	Chicago	150	\$1,565,585	\$57,523	\$1,508,062	\$4,331,155
United States	Los Angeles	92	\$737,312	\$25,312	\$712,000	\$2,230,790
United States	Minneapolis	141	\$1,099,937	\$37,073	\$1,062,864	\$3,488,596
United States	New York	131	\$1,489,207	\$46,701	\$1,442,506	\$4,816,974
United States	Seattle	103	\$611,945	\$20,893	\$591,052	\$1,714,882
Western Europe	Copenhagen	52	\$693,116	\$24,523	\$668,593	\$1,718,421
Western Europe	Geneva	95	\$447,208	\$14,288	\$432,920	\$1,499,989
Western Europe	Heidelberg	105	\$967,739	\$36,038	\$931,701	\$3,356,342
Western Europe	Lisbon	99	\$898,345	\$30,431	\$867,914	\$2,831,909
Western Europe	London	113	\$762,009	\$27,410	\$734,599	\$2,506,812
Western Europe	Madrid	17	\$200,642	\$7,334	\$193,308	\$425,073
Western Europe	Paris	86	\$621,877	\$19,324	\$602,553	\$1,469,846
Western Europe	Rome	75	\$282,064	\$10,407	\$271,657	\$1,033,858

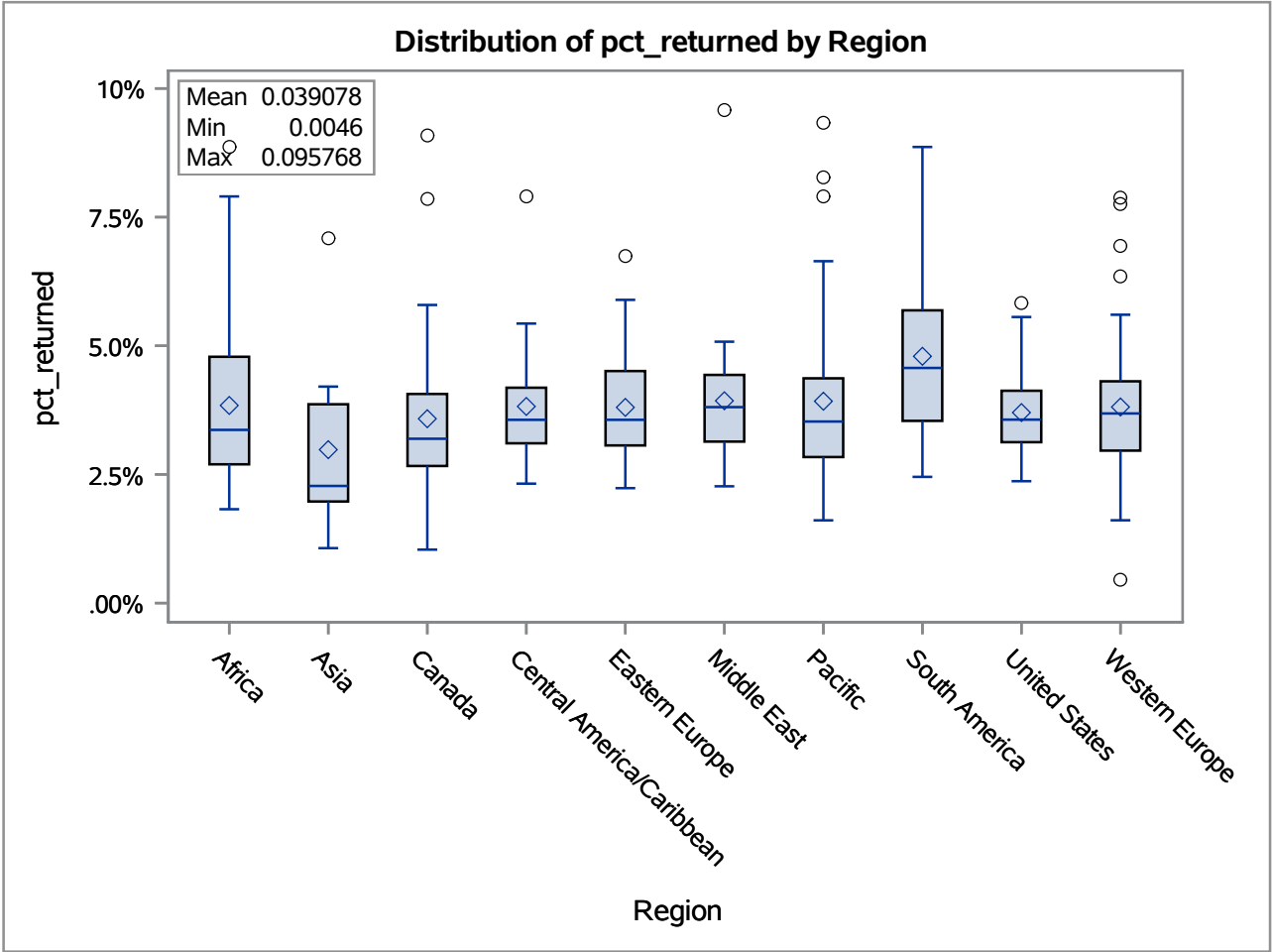


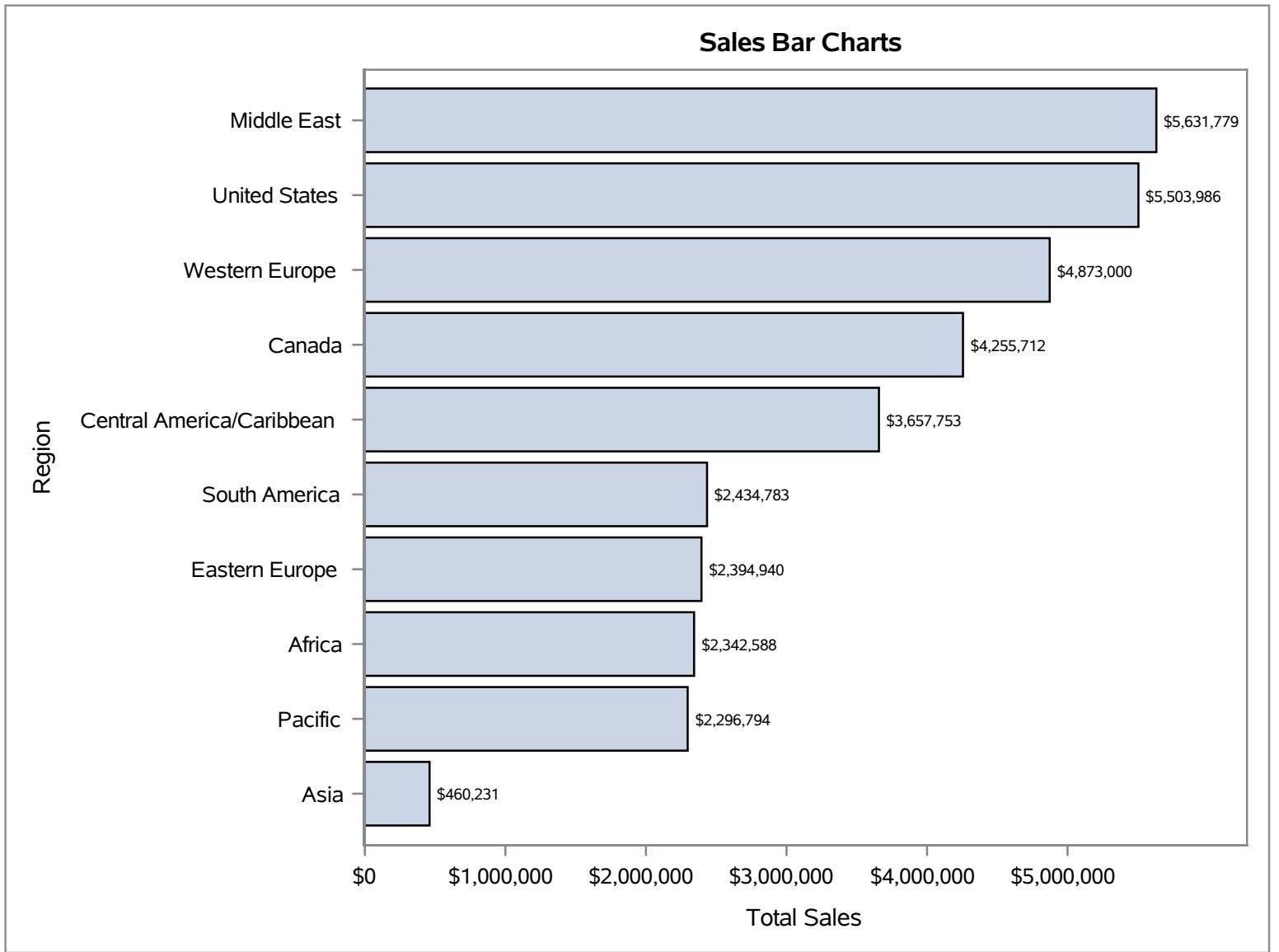


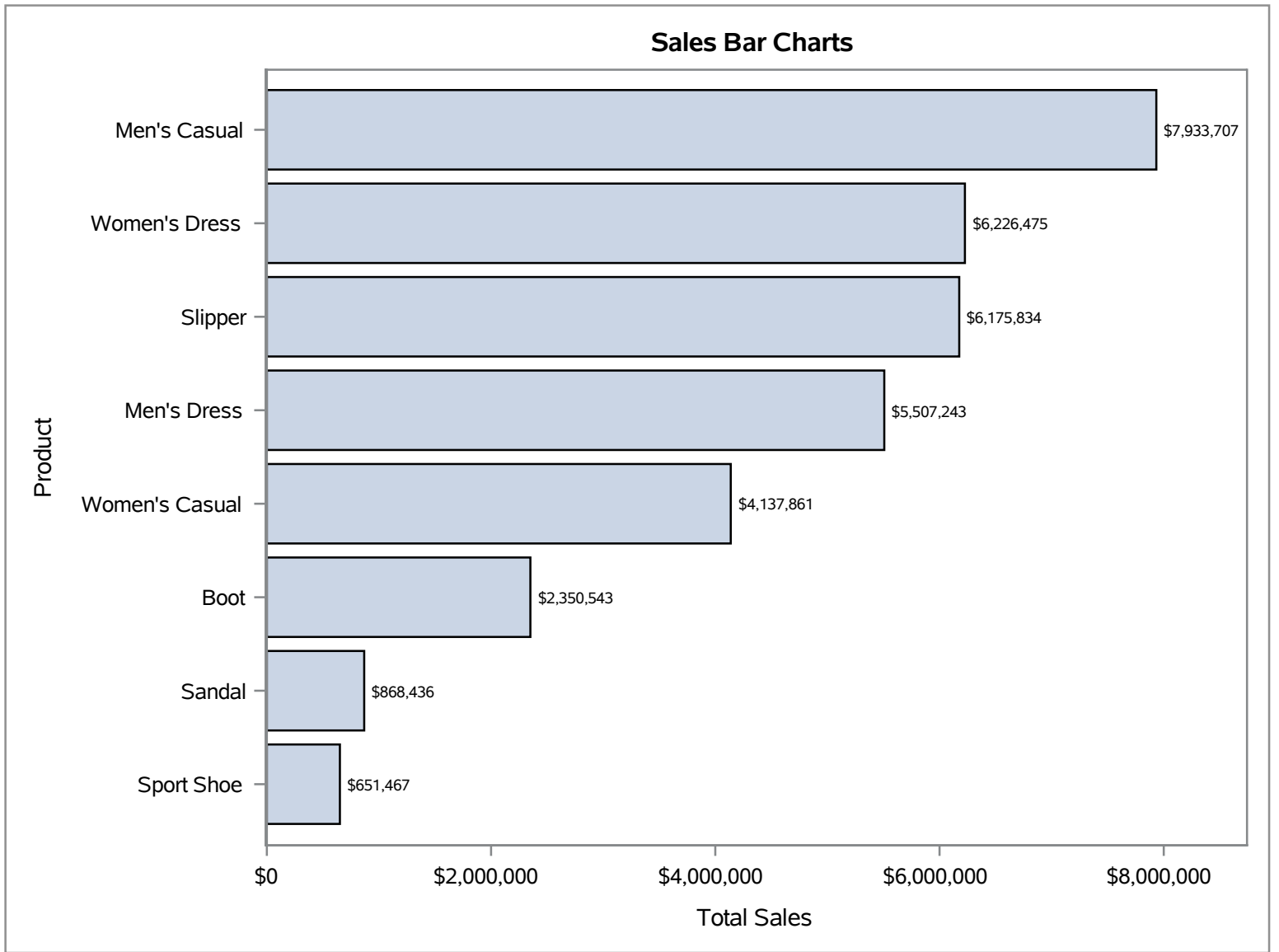




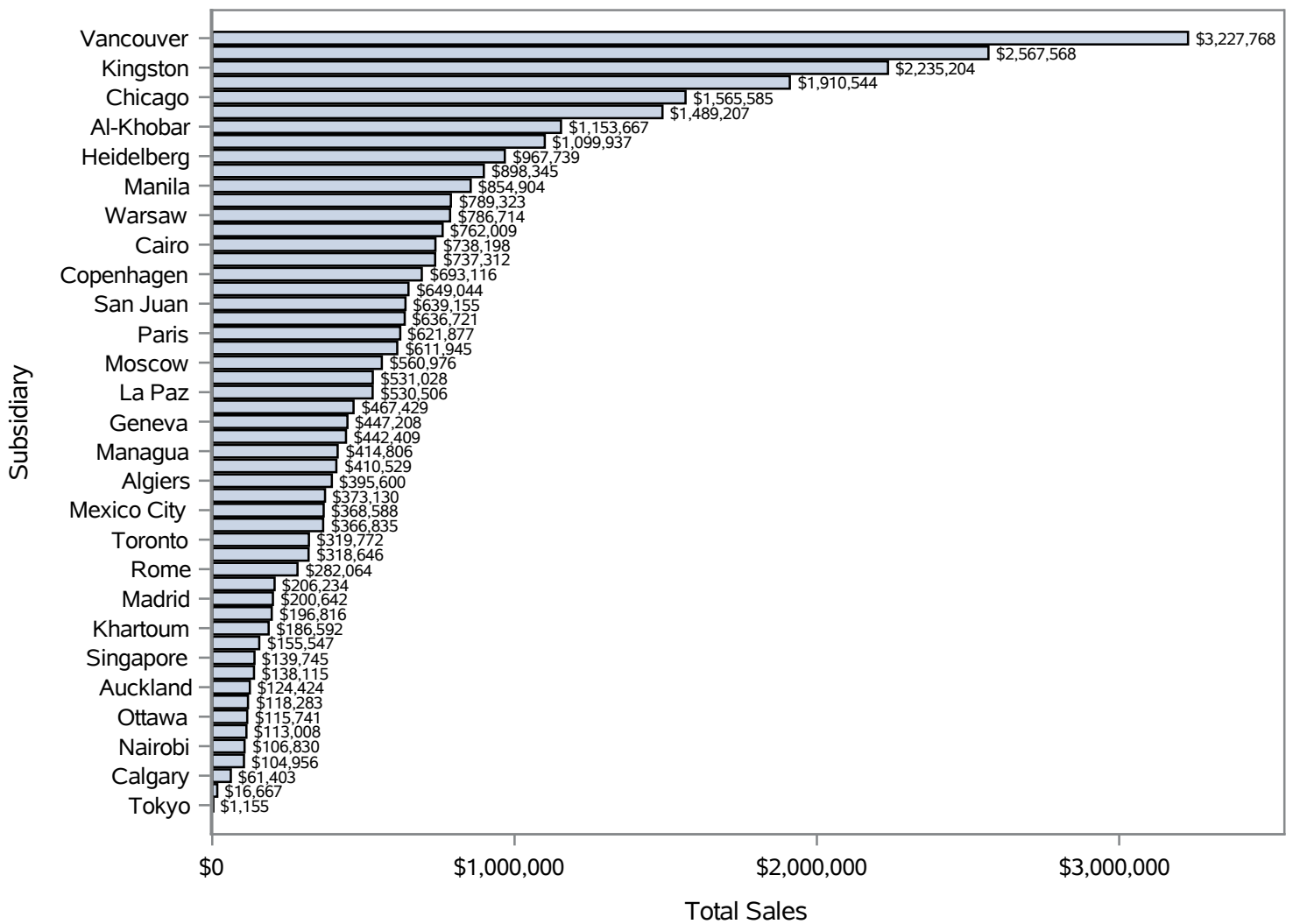








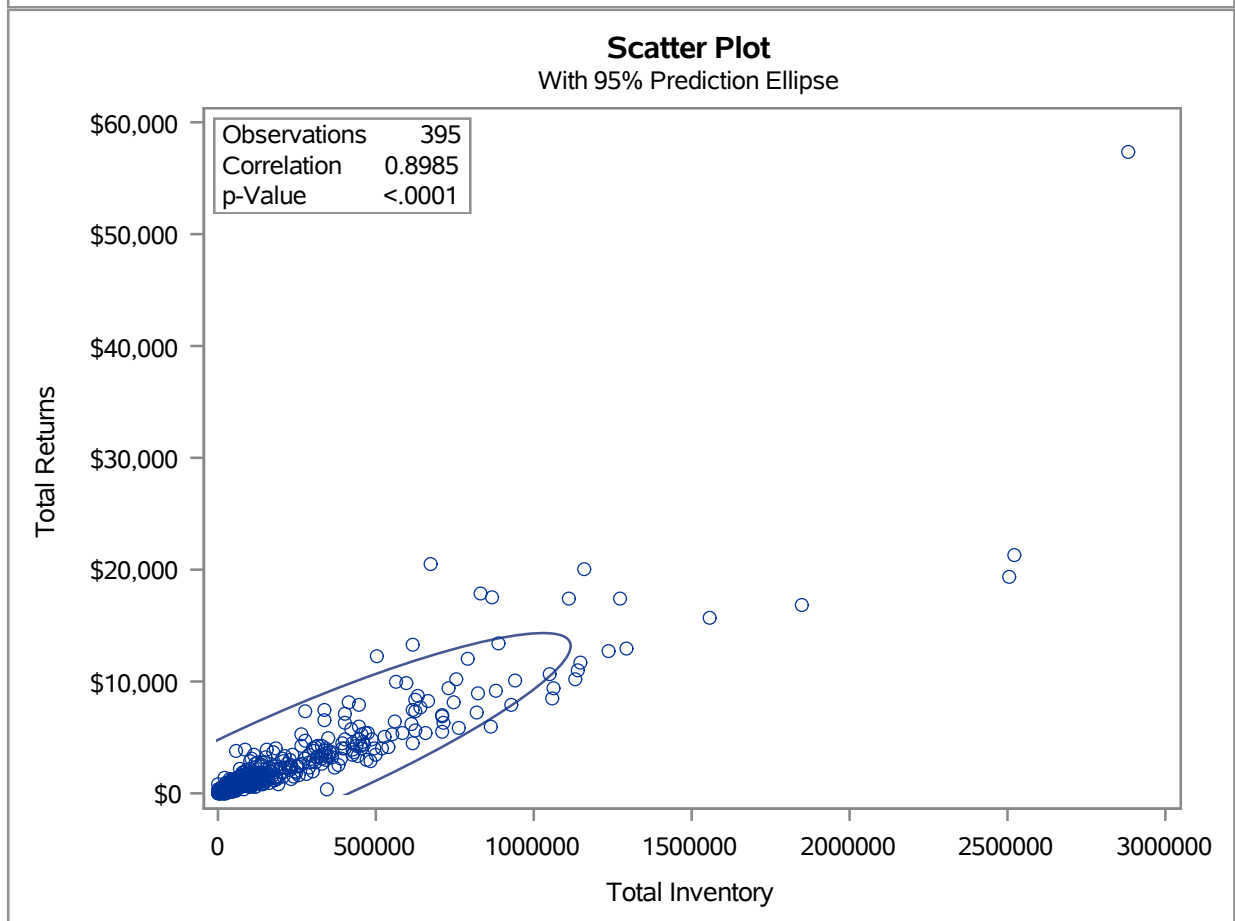
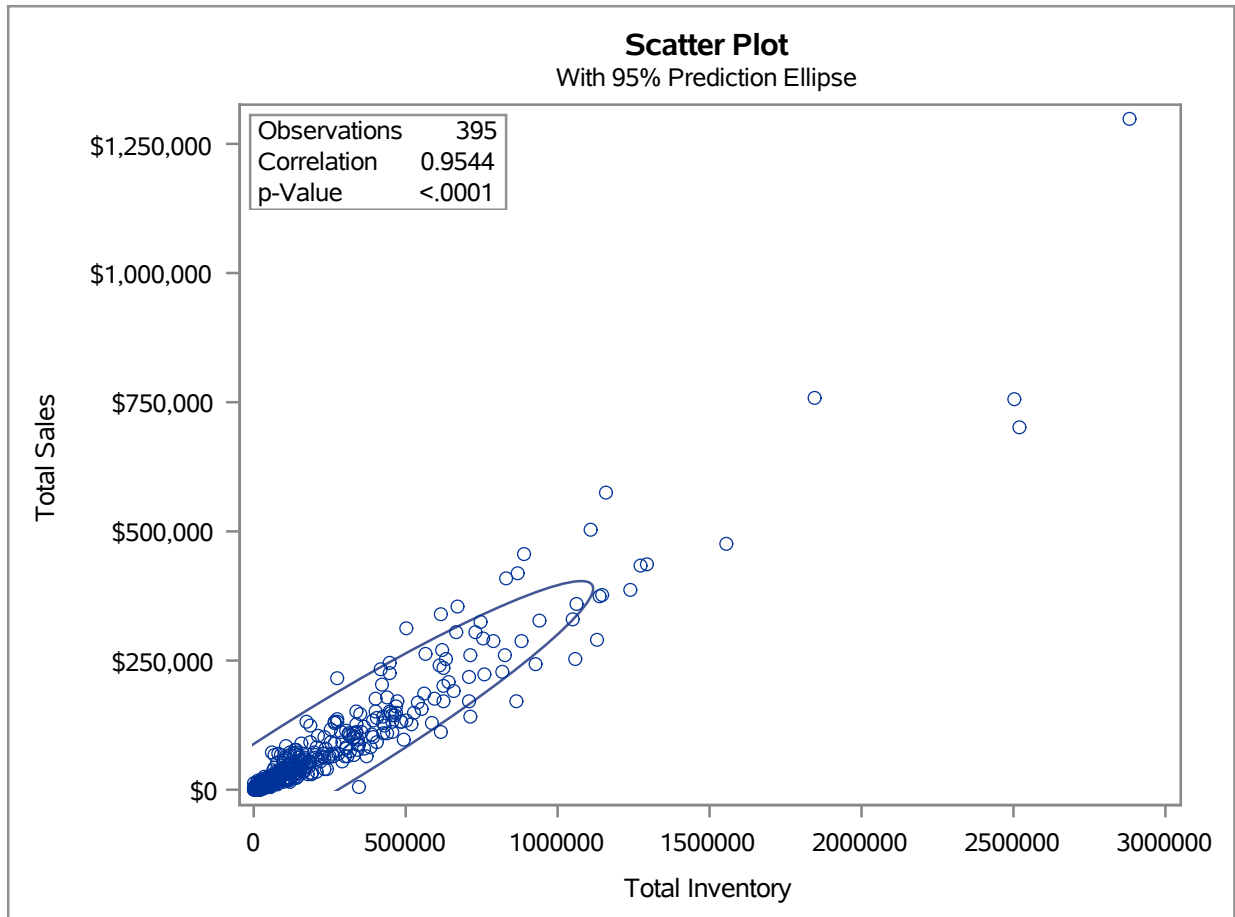
Sales Bar Charts

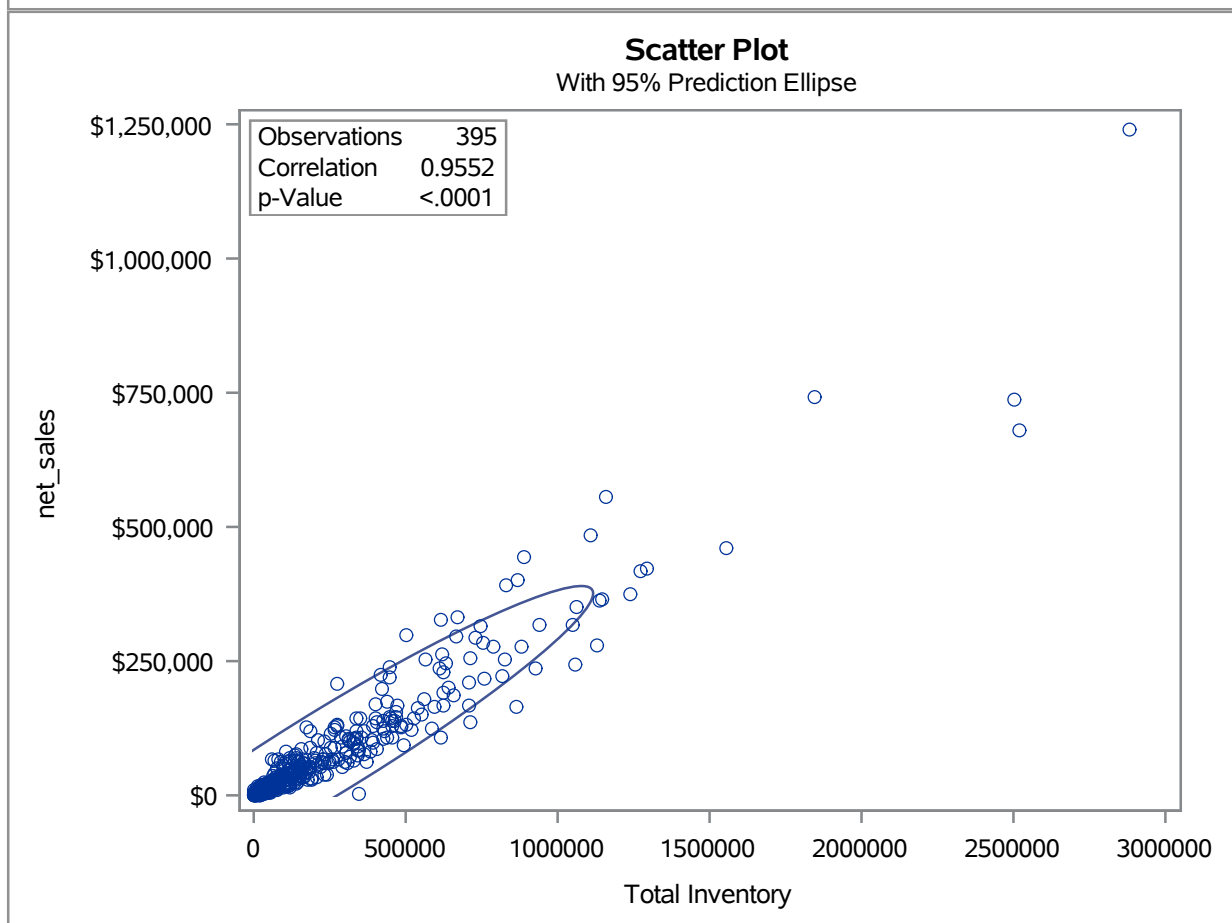
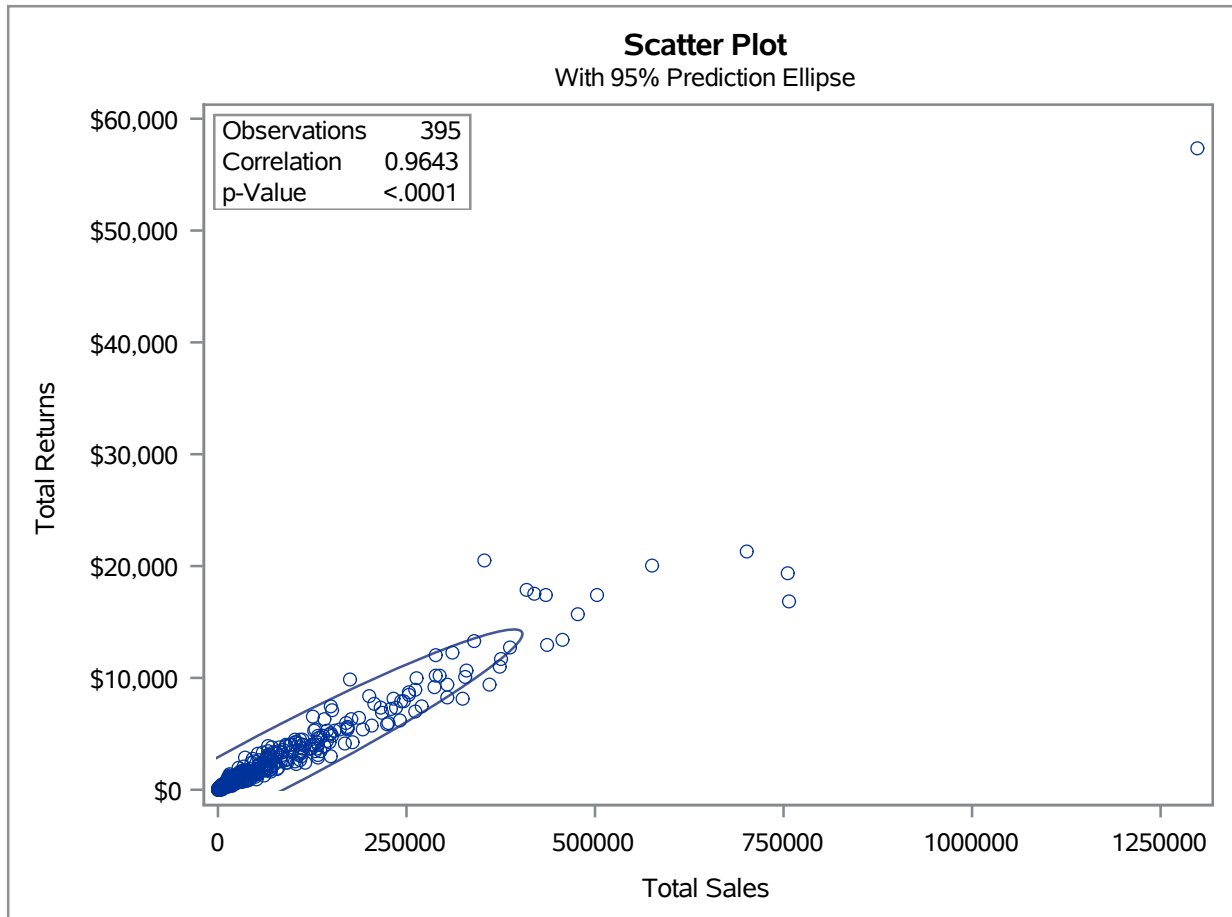


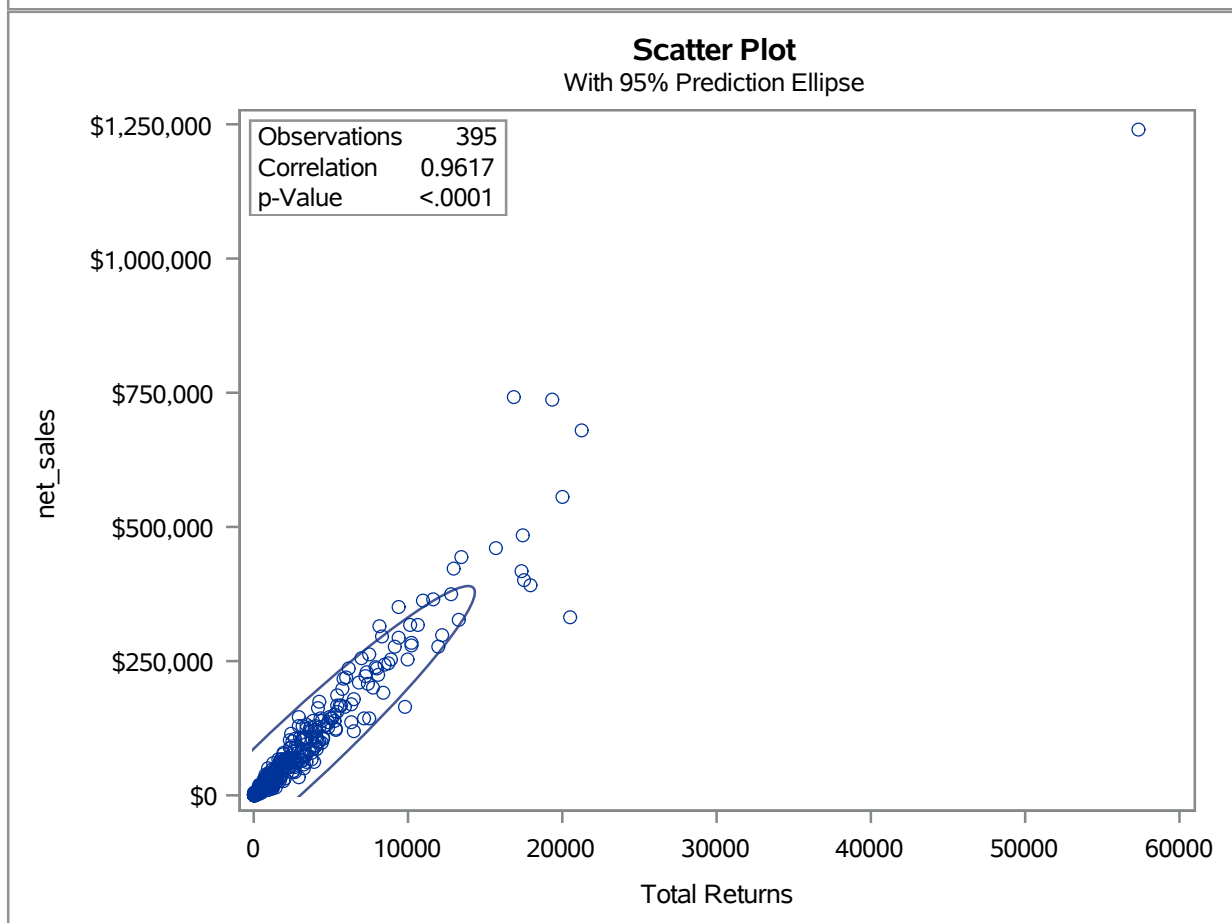
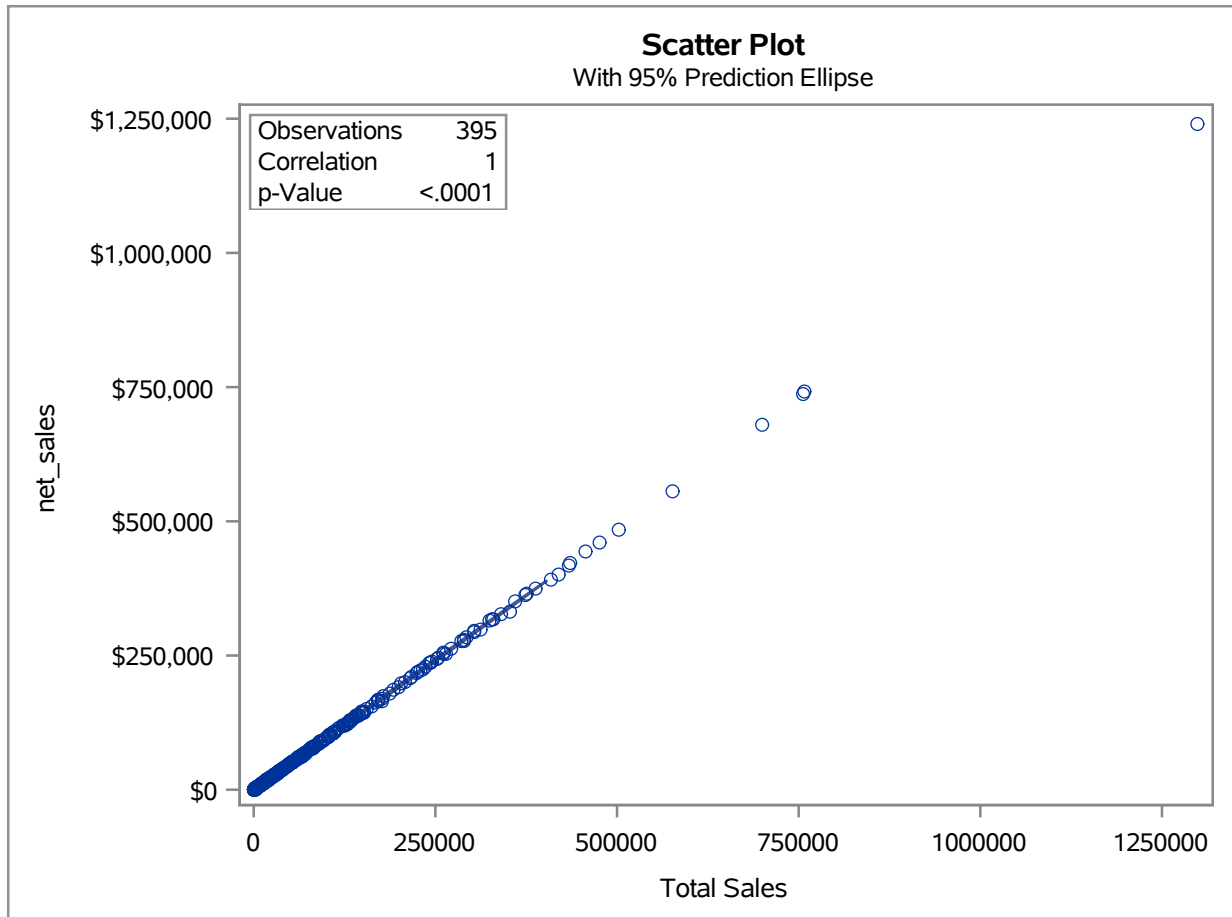
6 Variables:	Inventory	Sales	Returns	net_sales	pct_returned	inventory_to_sales
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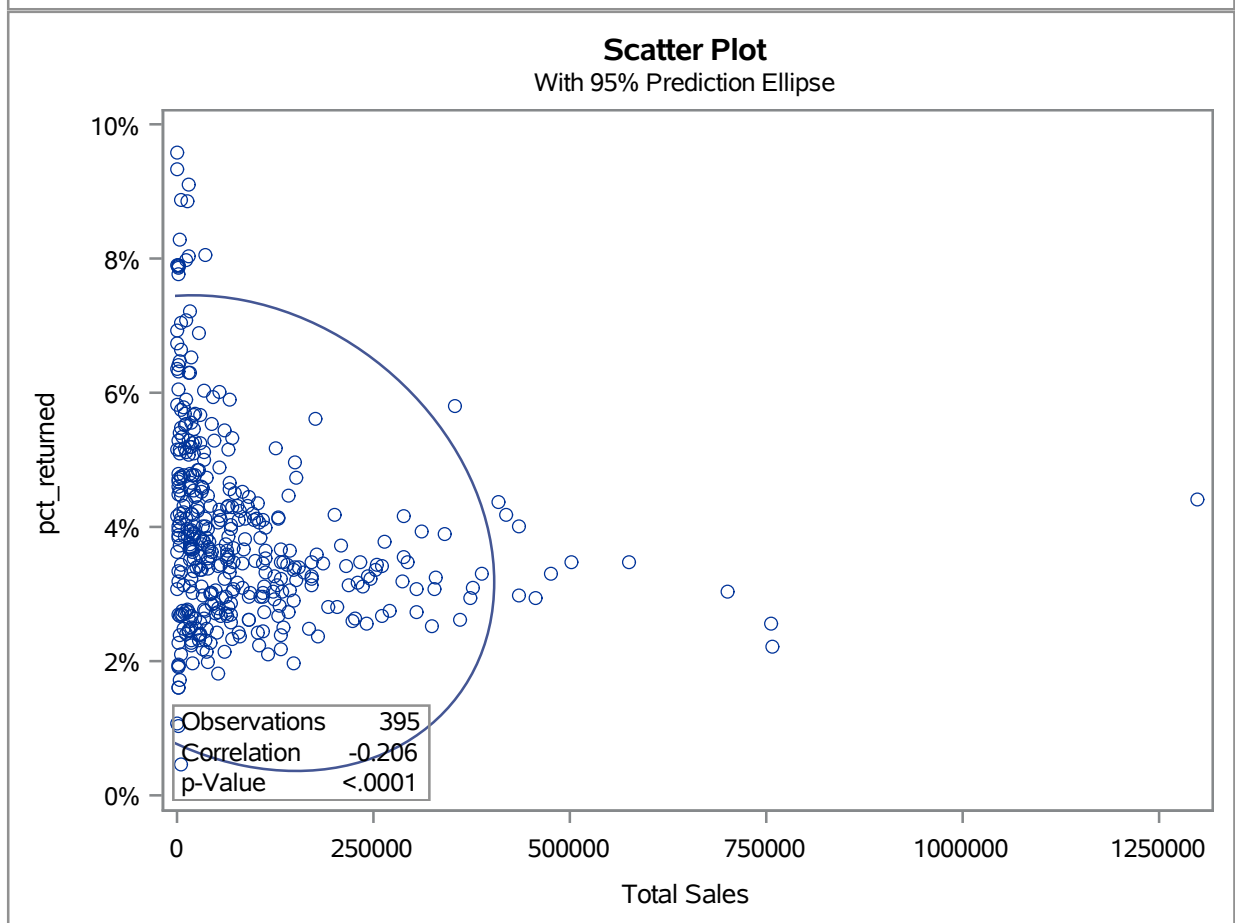
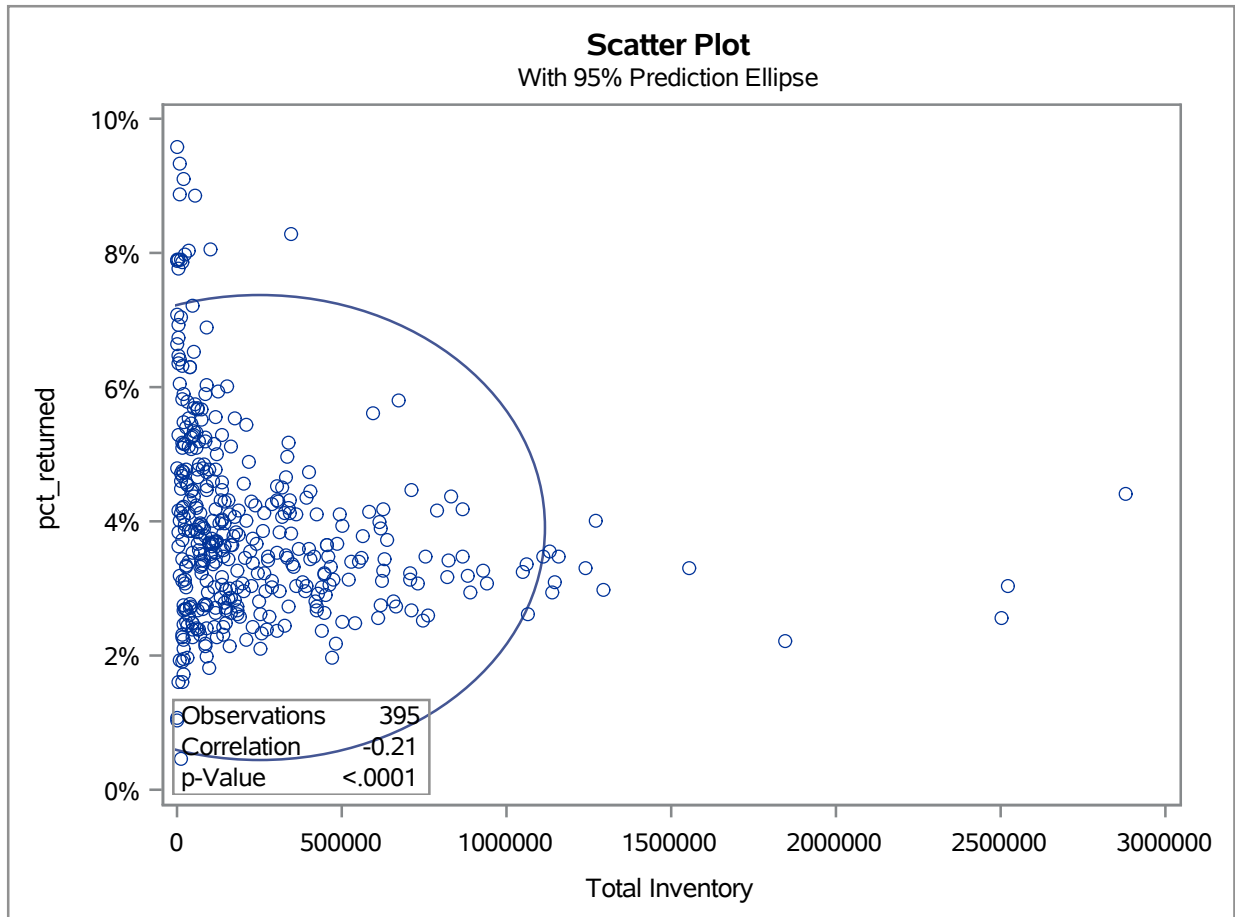
Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
Inventory	395	250899	351515	99105051	374.00000	2881005	Total Inventory
Sales	395	85700	129107	33851566	325.00000	1298717	Total Sales
Returns	395	2967	4612	1172092	10.00000	57362	Total Returns
net_sales	395	82733	124666	32679474	315.00000	1241355	
pct_returned	395	0.03908	0.01439	15.43566	0.00460	0.09577	
inventory_to_sales	395	4.31175	6.33169	1703	0.11780	89.35326	

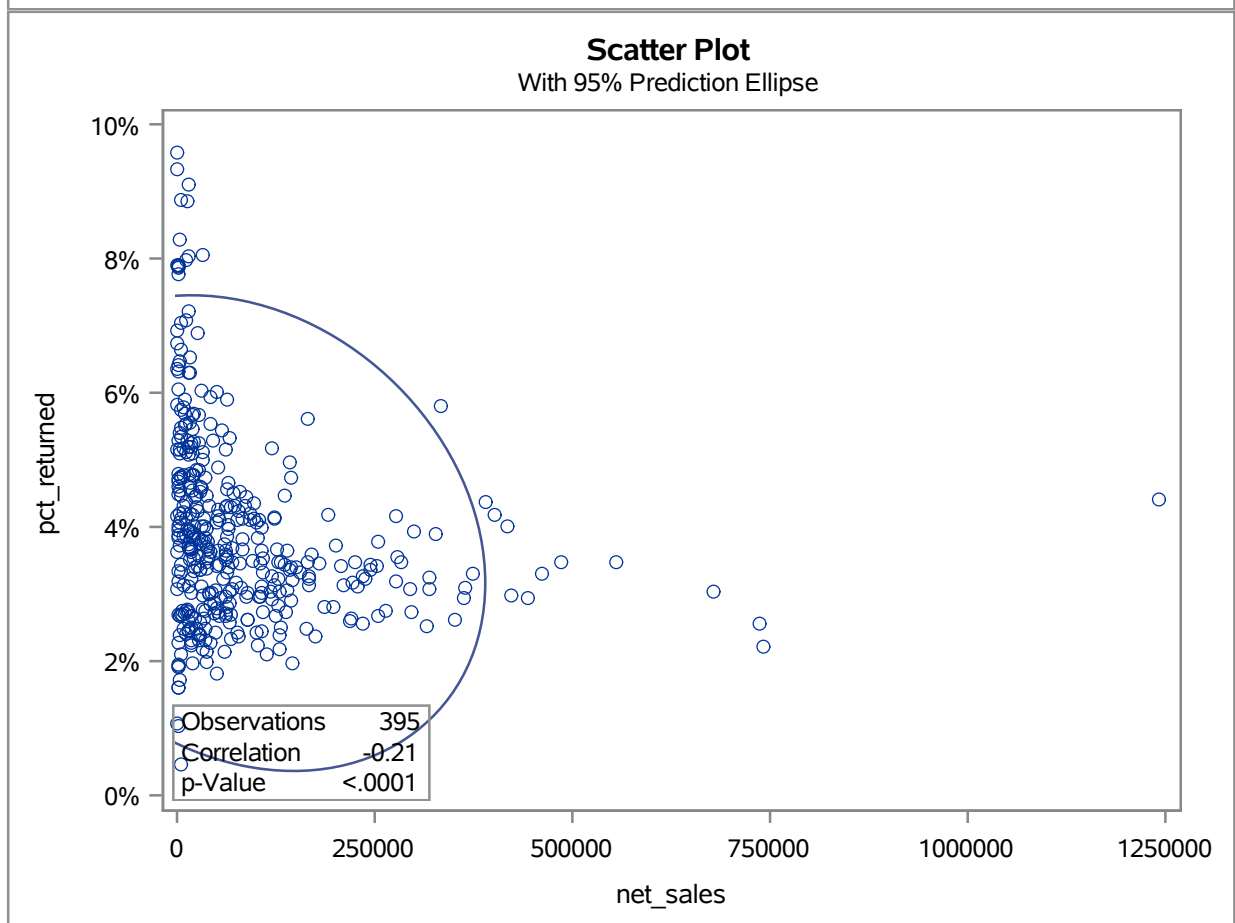
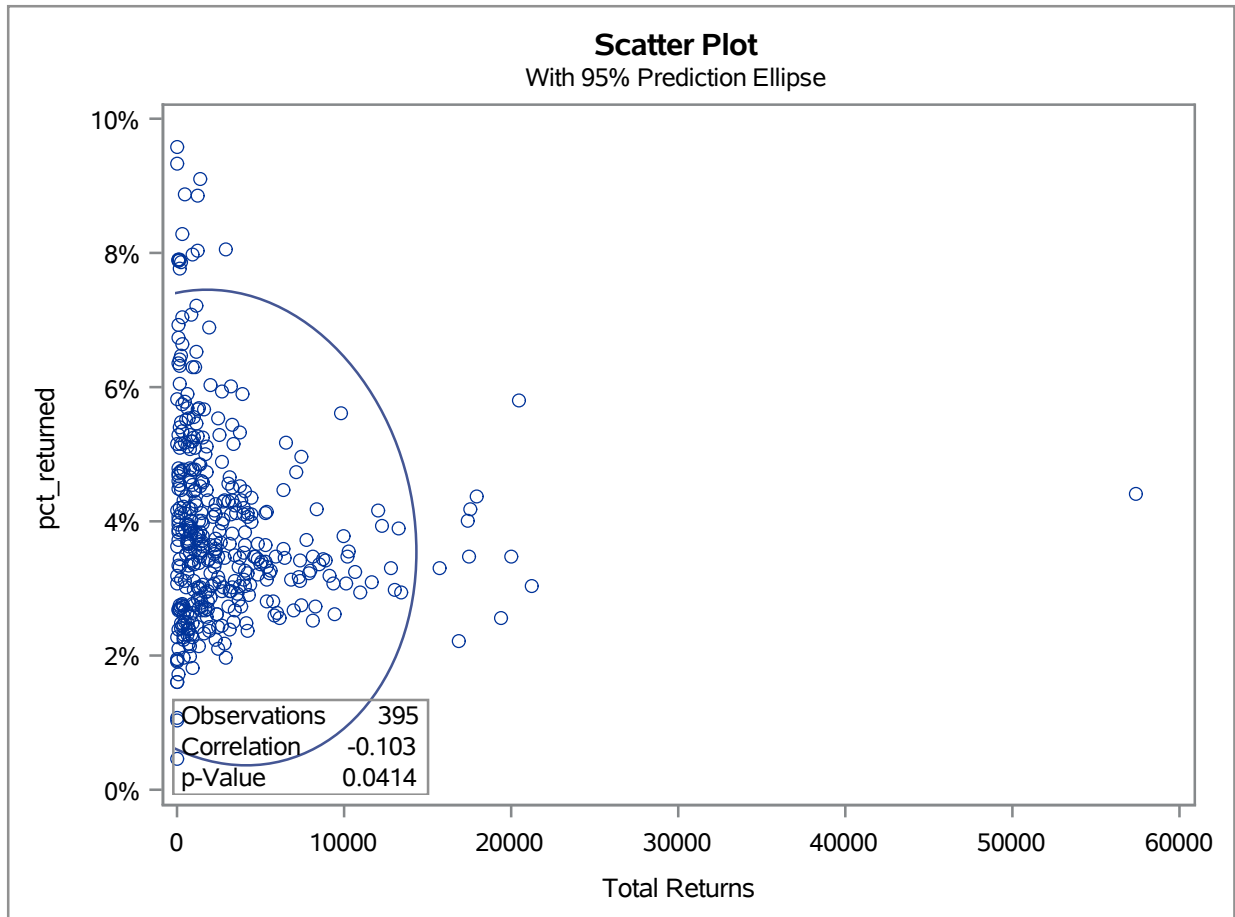
Pearson Correlation Coefficients, N = 395 Prob > r under H0: Rho=0						
	Inventory	Sales	Returns	net_sales	pct_returned	inventory_to_sales
Inventory Total Inventory	1.00000	0.95444 <.0001	0.89850 <.0001	0.95521 <.0001	-0.21020 <.0001	-0.07241 0.1509
Sales Total Sales	0.95444 <.0001	1.00000	0.96434 <.0001	0.99995 <.0001	-0.20600 <.0001	-0.13433 0.0075
Returns Total Returns	0.89850 <.0001	0.96434 <.0001	1.00000	0.96170 <.0001	-0.10268 0.0414	-0.12745 0.0112
net_sales	0.95521 <.0001	0.99995 <.0001	0.96170 <.0001	1.00000	-0.20954 <.0001	-0.13441 0.0075
pct_returned	-0.21020 <.0001	-0.20600 <.0001	-0.10268 0.0414	-0.20954 <.0001	1.00000	0.14510 0.0039
inventory_to_sales	-0.07241 0.1509	-0.13433 0.0075	-0.12745 0.0112	-0.13441 0.0075	0.14510 0.0039	1.00000

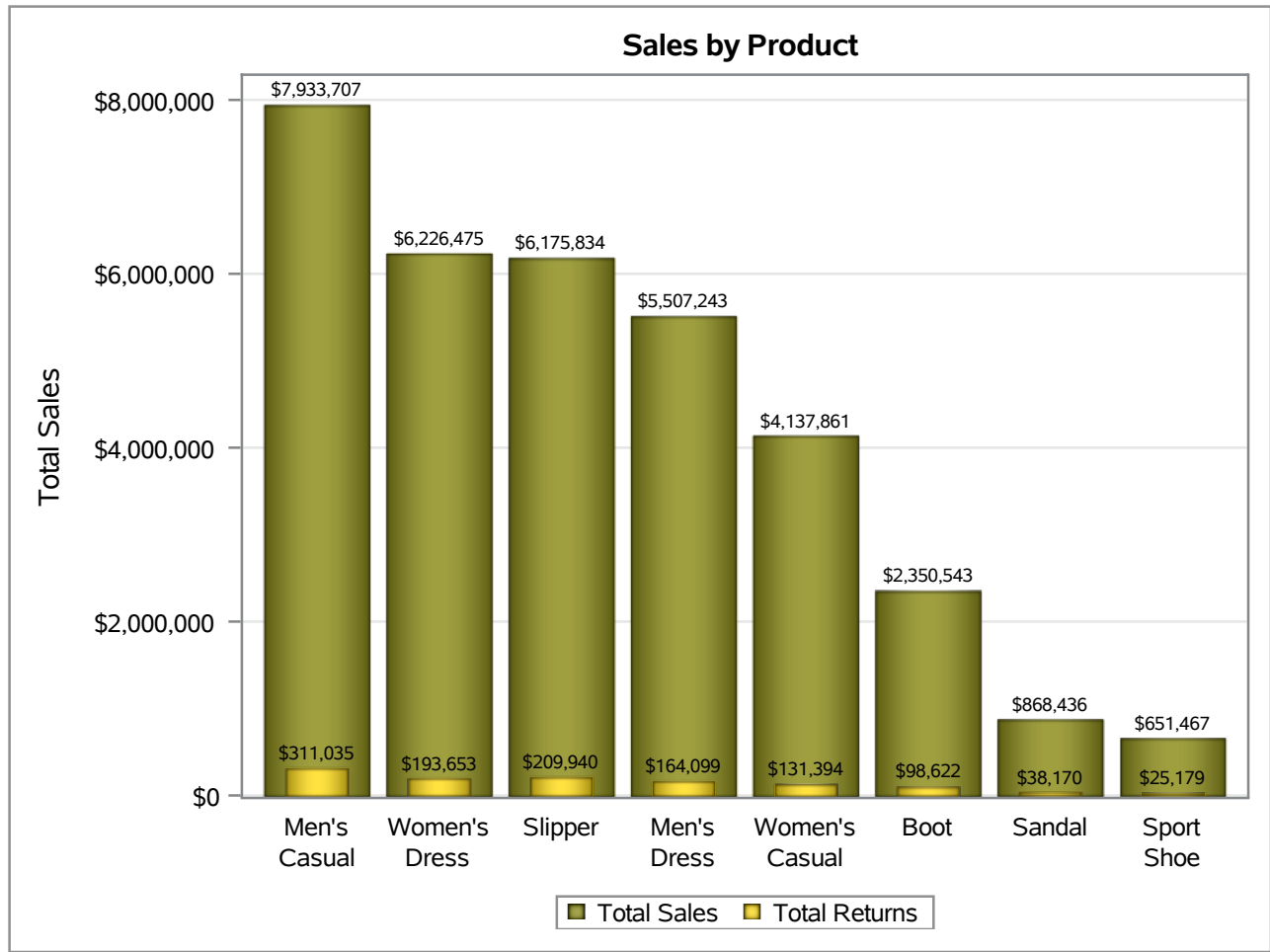


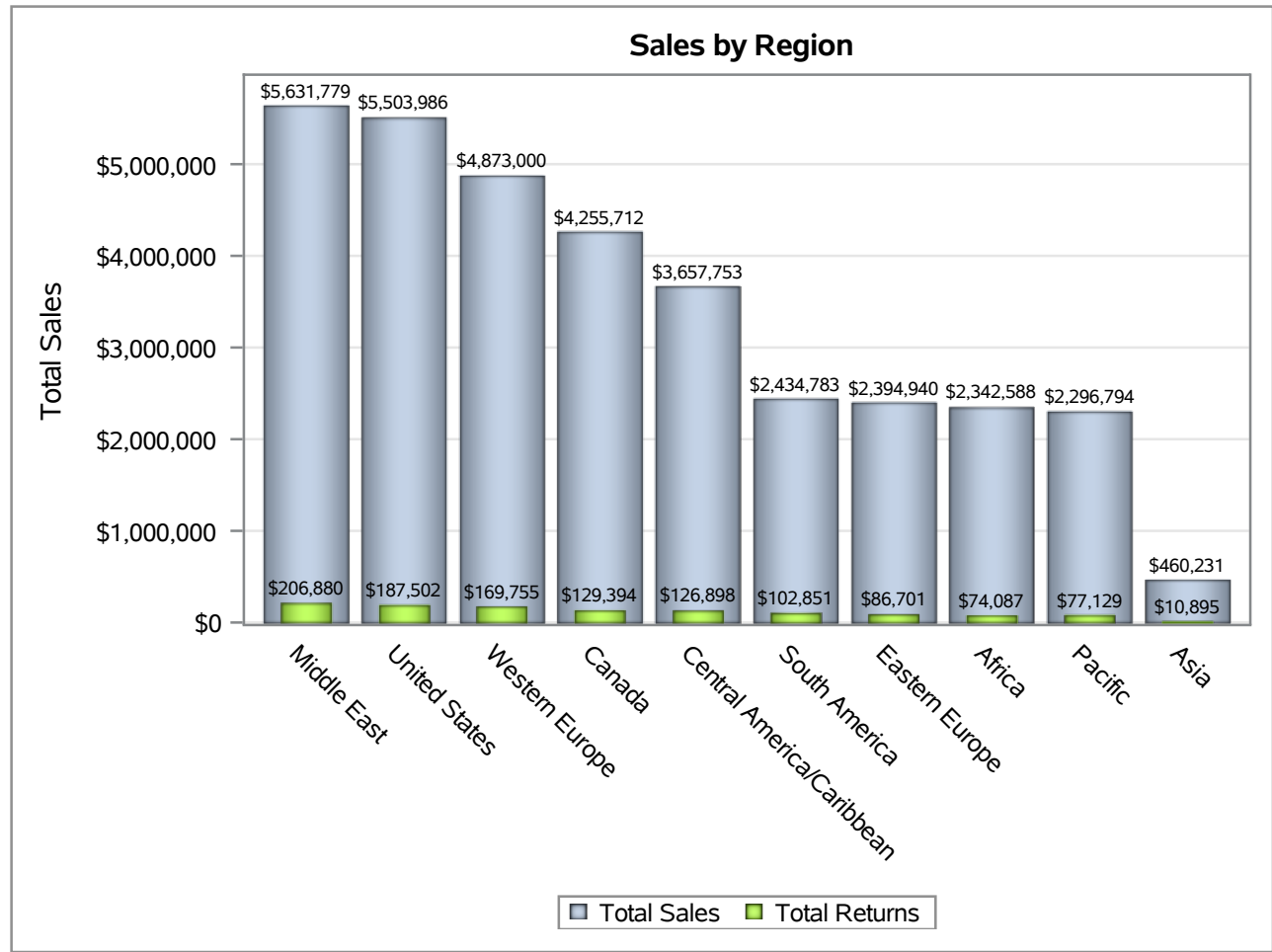




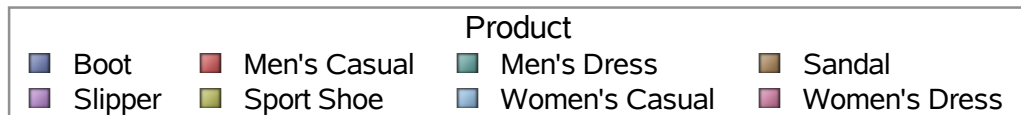
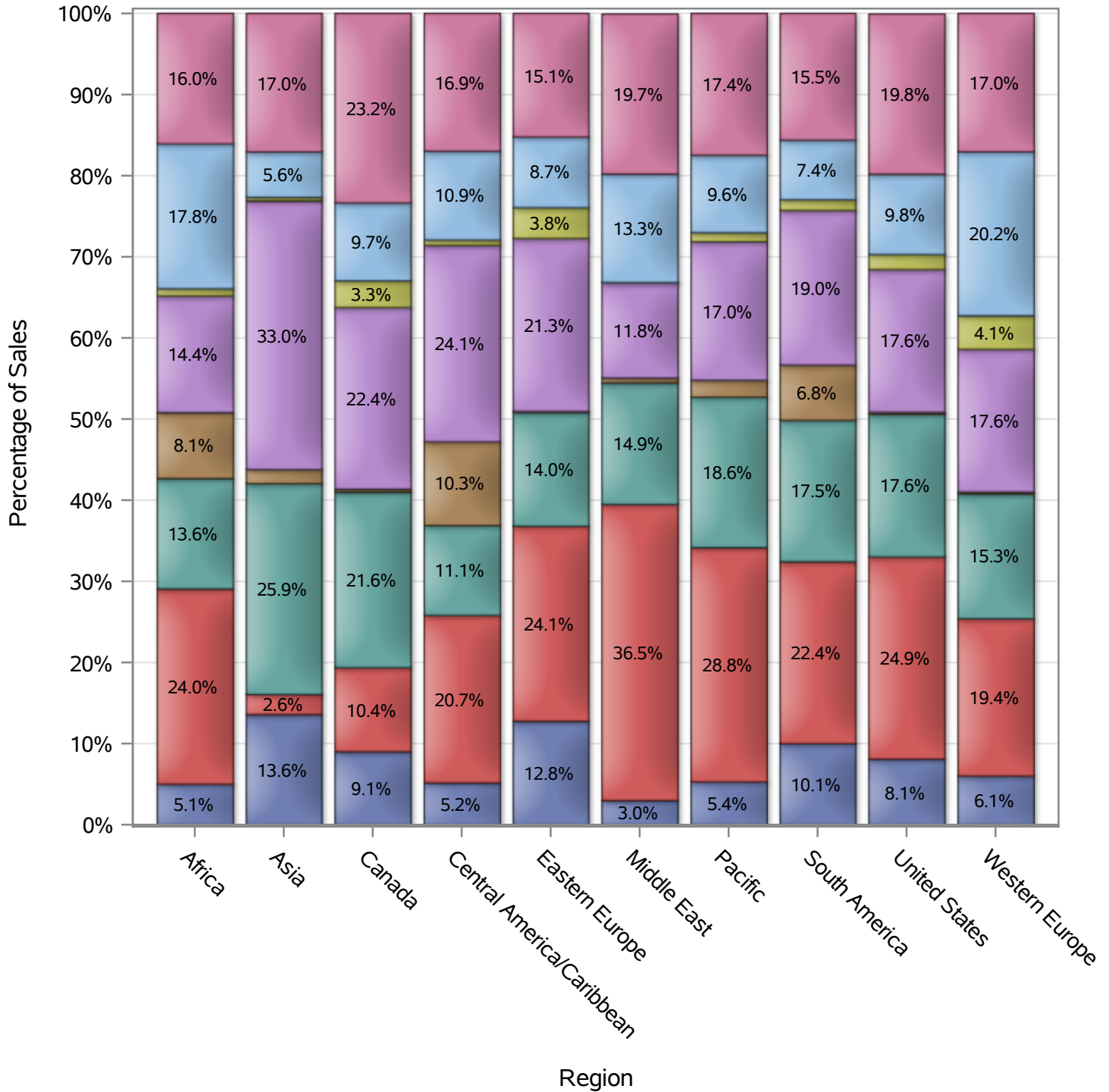


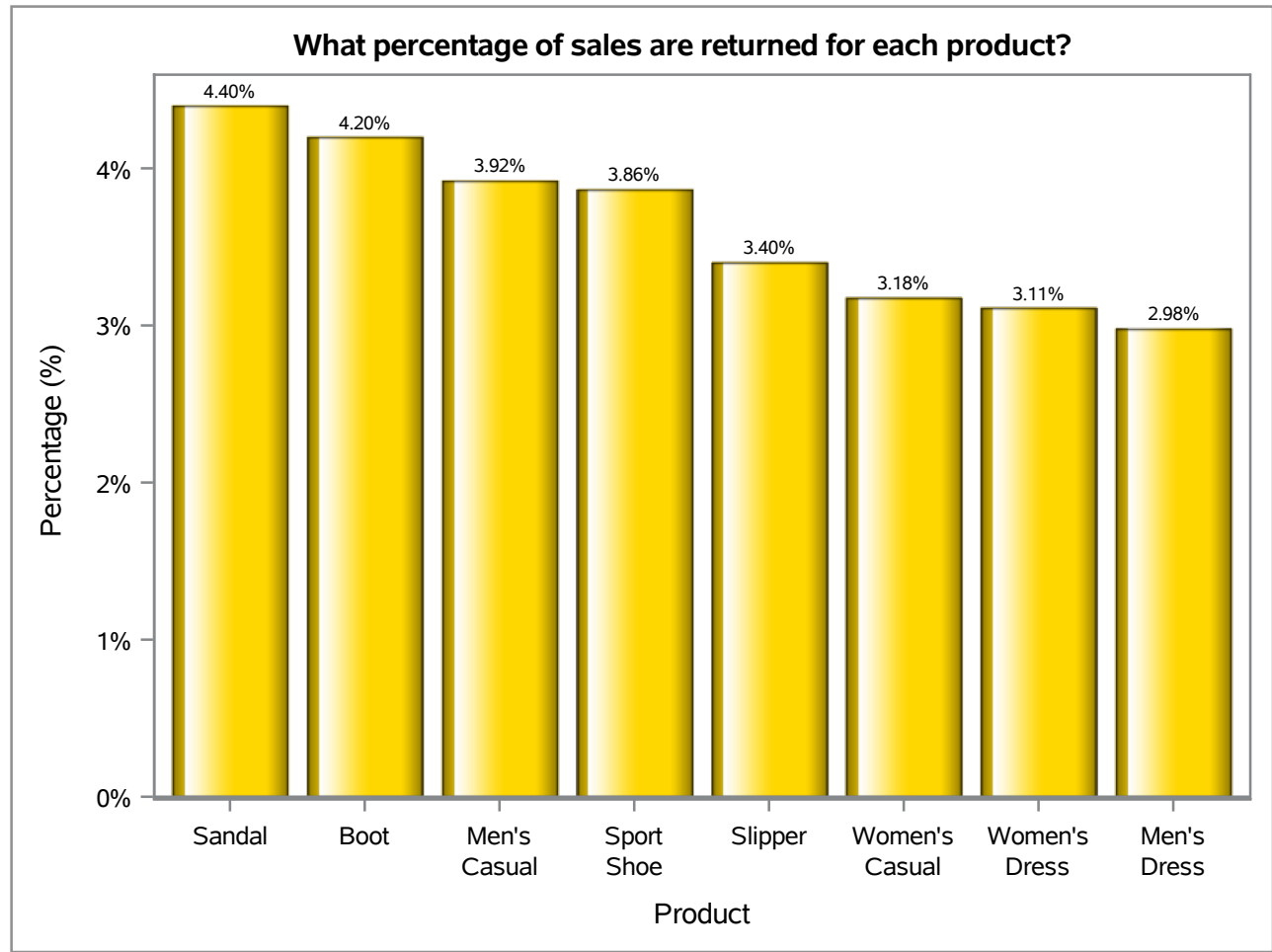


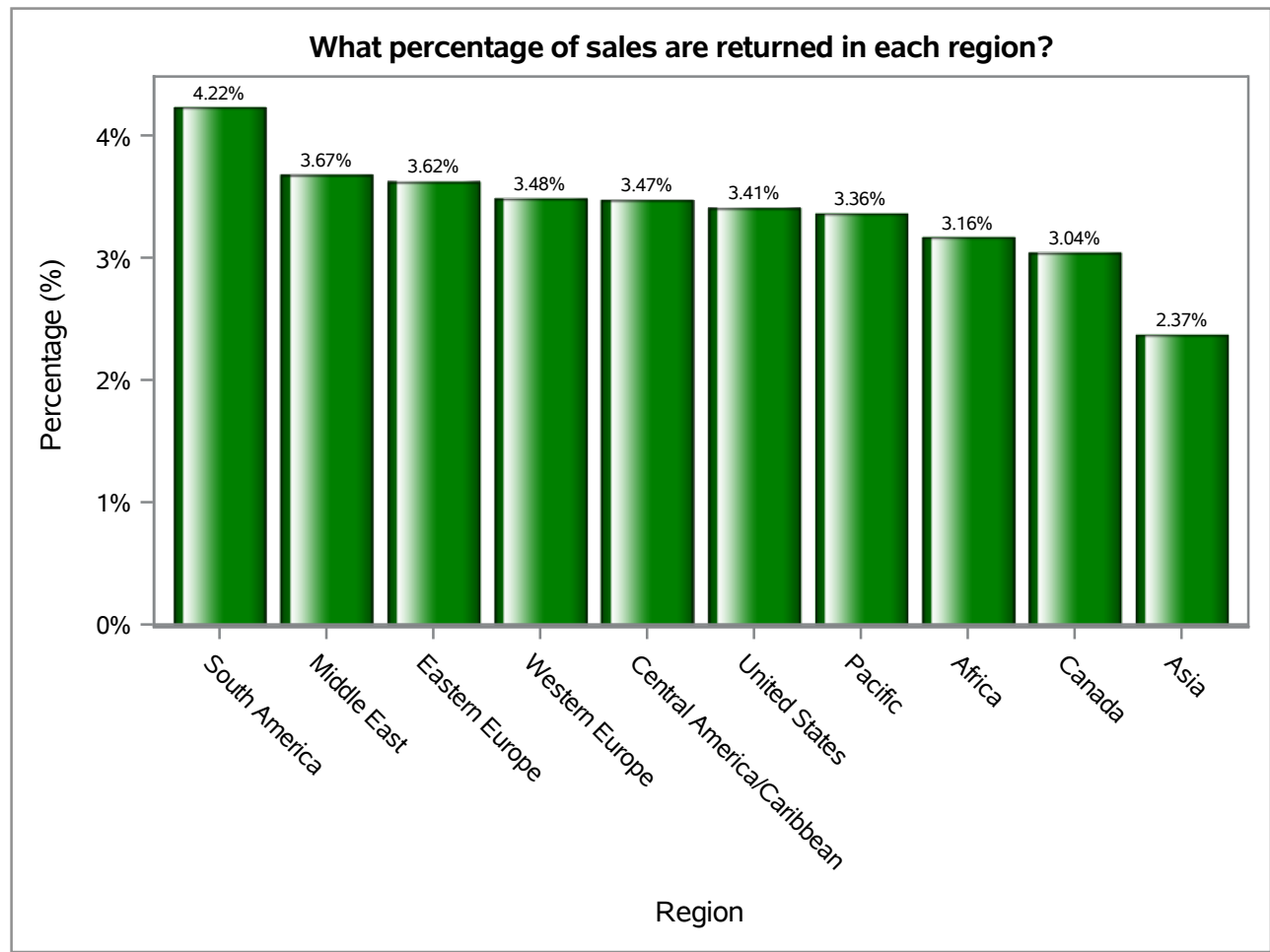


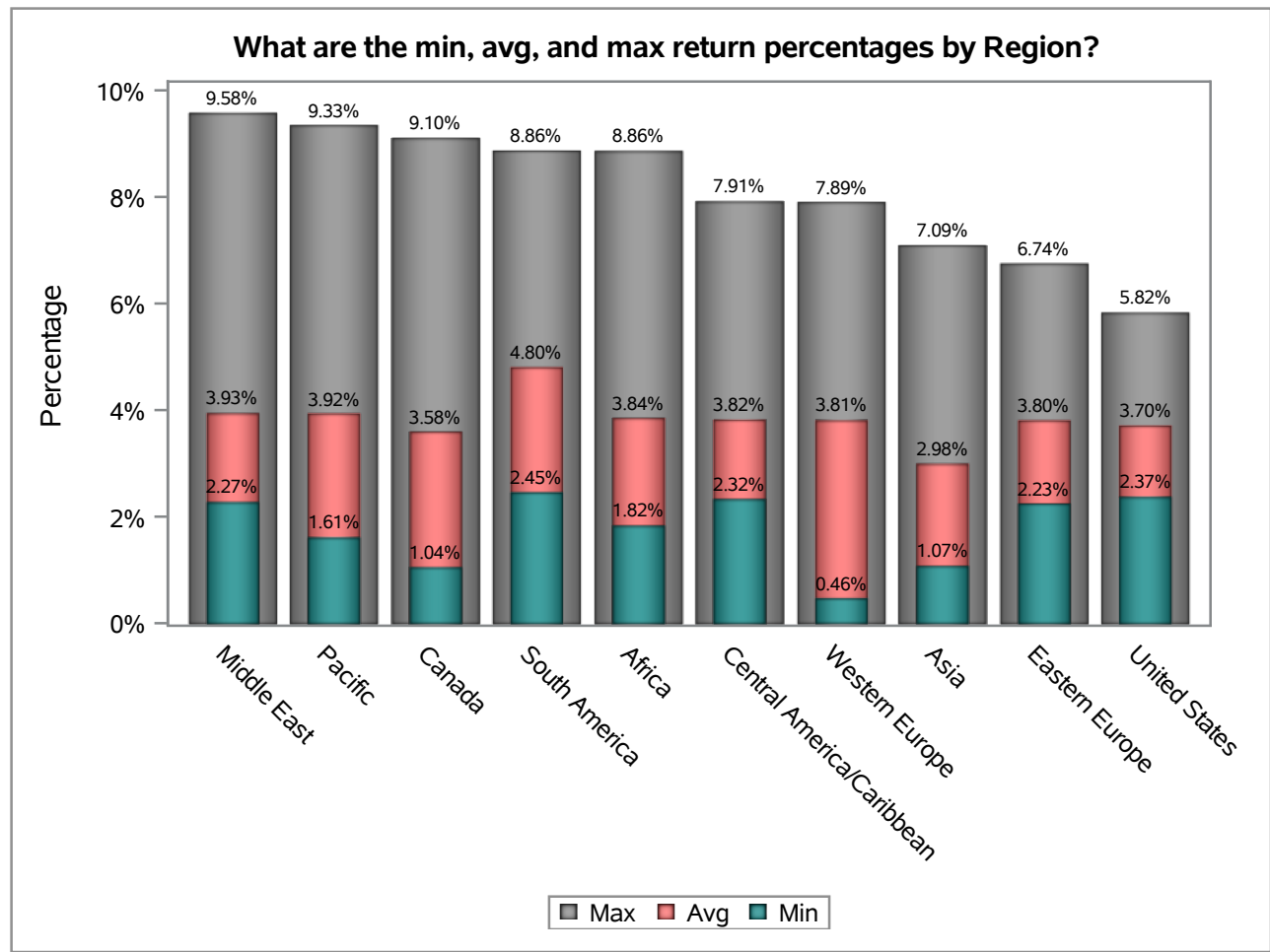


How much does each product contribute to sales?



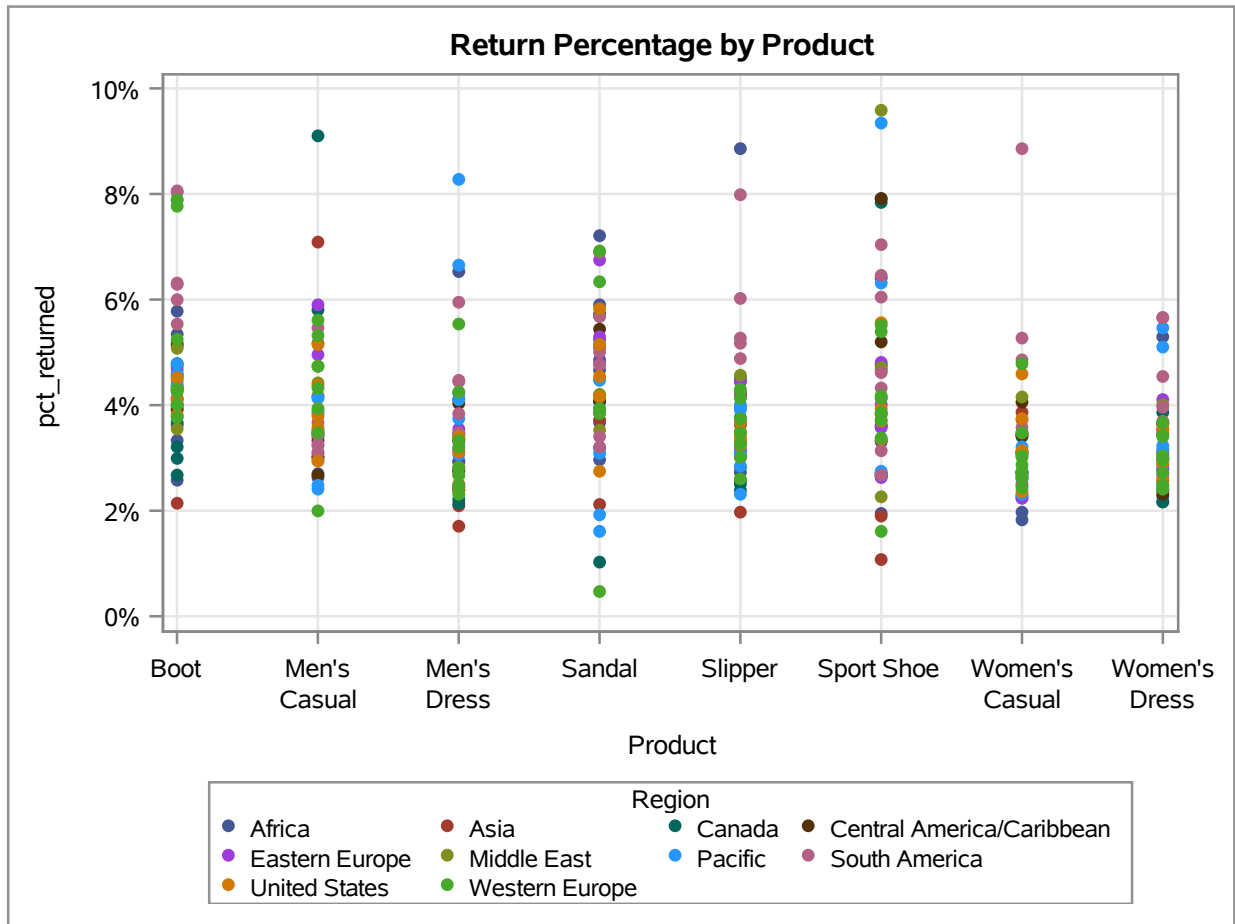


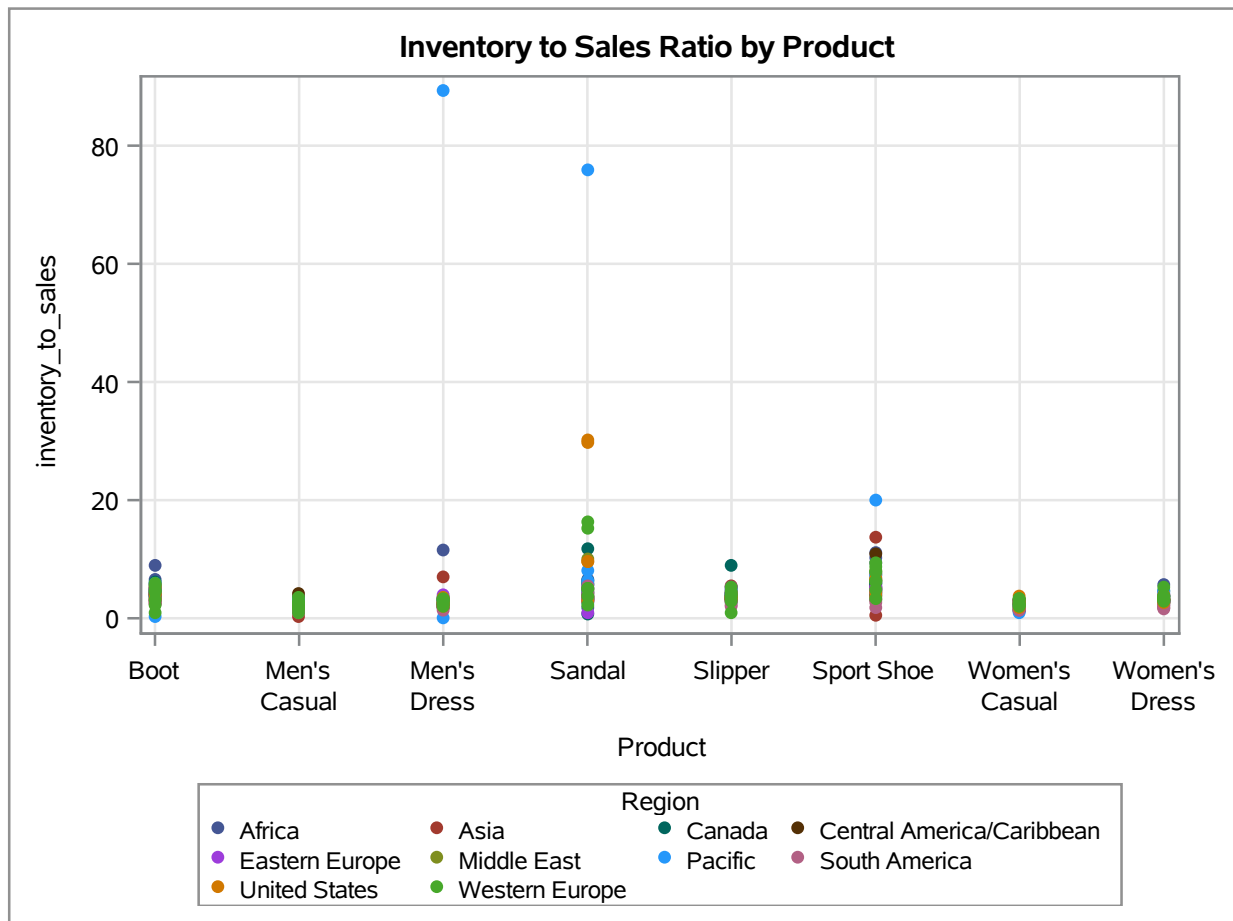




Which product has the highest return percentage in each region?

Region	Product	Subsidiary	Total Sales	highest_return_pct
Middle East	Sport Shoe	Al-Khobar	\$449	9.6%
Pacific	Sport Shoe	Kuala Lumpur	\$450	9.3%
Canada	Men's Casual	Toronto	\$15,403	9.1%
South America	Women's Casual	Santiago	\$5,709	8.9%
Africa	Slipper	Cairo	\$13,732	8.9%
Central America/Caribbean	Sport Shoe	San Juan	\$936	7.9%
Western Europe	Boot	Madrid	\$1,179	7.9%
Asia	Men's Casual	Seoul	\$11,754	7.1%
Eastern Europe	Sandal	Prague	\$712	6.7%
United States	Sandal	Chicago	\$601	5.8%





Where are the highest inventory to sales ratios?

Region	Product	Subsidiary	Number of Stores	Total Sales	Total Inventory	Total Returns	pct_returned	net_sales	inventory_to_sales
Pacific	Men's Dress	Canberra	1	\$4,231	\$346,780	\$350	8.3%	\$3,881	89.35
Pacific	Sandal	Auckland	1	\$325	\$23,897	\$10	3.1%	\$315	75.86
United States	Sandal	Chicago	2	\$601	\$17,121	\$35	5.8%	\$566	30.25
United States	Sandal	Los Angeles	2	\$737	\$20,838	\$38	5.2%	\$699	29.81