

**The CONTENTS Procedure**

<i>Variables in Creation Order</i>					
#	Variable	Type	Len	Format	Label
1	Make	Char	13		
2	Model	Char	40		
3	Type	Char	8		
4	Origin	Char	6		
5	DriveTrain	Char	5		
6	MSRP	Num	8	DOLLAR8.	
7	Invoice	Num	8	DOLLAR8.	
8	EngineSize	Num	8		Engine Size (L)
9	Cylinders	Num	8		
10	Horsepower	Num	8		
11	MPG_City	Num	8		MPG (City)
12	MPG_Highway	Num	8		MPG (Highway)
13	Weight	Num	8		Weight (LBS)
14	Wheelbase	Num	8		Wheelbase (IN)
15	Length	Num	8		Length (IN)

<i>Sort Information</i>	
<i>Sortedby</i>	Make Type
<i>Validated</i>	YES
<i>Character Set</i>	ANSI

The COMPARE Procedure

Comparison of INPUTDS.SASCARS with HW3.CARSVAL

(Method=ABSOLUTE, Criterion=1.0E-10)

Data Set Summary

Dataset	Created	Modified	NVar	NObs	Label
INPUTDS.SASCARS	19SEP19:10:13:04	19SEP19:10:13:04	15	428	2004 Car Data
HW3.CARSVAL	29SEP19:21:03:12	29SEP19:21:03:12	15	428	

Variables Summary

Number of Variables in Common: 15.

Number of Variables with Differing Attributes: 1.

Listing of Common Variables with Differing Attributes

Variable	Dataset	Type	Length	Format	Label
Weight	INPUTDS.SASCARS	Num	8		Weight (LBS)
	HW3.CARSVAL	Num	8	COMMA5.	Weight (LBS)

Observation Summary

Observation	Base	Compare
First Obs	1	1
Last Obs	428	428

Number of Observations in Common: 428.

Total Number of Observations Read from INPUTDS.SASCARS: 428.

Total Number of Observations Read from HW3.CARSVAL: 428.

Number of Observations with Some Compared Variables Unequal: 0.

Number of Observations with All Compared Variables Equal: 428.

NOTE: No unequal values were found. All values compared are exactly equal.

## The FREQ Procedure

<i>Make</i>	<i>Frequency</i>	<i>Percent</i>	<i>Cumulative Frequency</i>	<i>Cumulative Percent</i>
<i>A-brands Through H-brands</i>	179	41.82	179	41.82
<i>I-brands Through R-brands</i>	158	36.92	337	78.74
<i>S-brands Through Z-brands</i>	91	21.26	428	100.00

<i>Frequency Percent</i>	<i>Table of Make by Weight</i>			
	<i>Make</i>	<i>Weight(Weight (LBS))</i>		
		<i>Light</i>	<i>Heavy</i>	<i>Total</i>
	<i>A-brands Through H-brands</i>	33 7.71	146 34.11	179 41.82
	<i>I-brands Through R-brands</i>	25 5.84	133 31.07	158 36.92
	<i>S-brands Through Z-brands</i>	29 6.78	62 14.49	91 21.26
	<i>Total</i>	87 20.33	341 79.67	428 100.00

<i>Frequency Percent Row Pct Col Pct</i>	<i>Table of Make by MPG_City</i>				
	<i>Make</i>	<i>MPG_City(MPG (City))</i>			
		<i>Low</i>	<i>Moderate</i>	<i>High</i>	<i>Total</i>
	<i>A-brands Through H-brands</i>	152 35.51 84.92 40.32	24 5.61 13.41 52.17	3 0.70 1.68 60.00	179 41.82
	<i>I-brands Through R-brands</i>	151 35.28 95.57 40.05	7 1.64 4.43 15.22	0 0.00 0.00 0.00	158 36.92
	<i>S-brands Through Z-brands</i>	74 17.29 81.32 19.63	15 3.50 16.48 32.61	2 0.47 2.20 40.00	91 21.26
	<i>Total</i>	377 88.08	46 10.75	5 1.17	428 100.00

## The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of Make by MPG_Highway				
	Make	MPG_Highway(MPG (Highway))			
		Low	Moderate	High	Total
	A-brands Through H-brands	72	95	12	179
		16.82	22.20	2.80	41.82
		40.22	53.07	6.70	
		42.86	40.25	50.00	
	I-brands Through R-brands	80	76	2	158
		18.69	17.76	0.47	36.92
		50.63	48.10	1.27	
		47.62	32.20	8.33	
	S-brands Through Z-brands	16	65	10	91
		3.74	15.19	2.34	21.26
		17.58	71.43	10.99	
		9.52	27.54	41.67	
	Total	168	236	24	428
		39.25	55.14	5.61	100.00

Frequency Row Pct	Table 1 of Make by Weight			
	Make	Weight(Weight (LBS))		
		Light	Heavy	Total
	A-brands Through H-brands	16	20	36
		44.44	55.56	
	I-brands Through R-brands	17	56	73
		23.29	76.71	
	S-brands Through Z-brands	19	30	49
		38.78	61.22	
	Total	52	106	158

Frequency Row Pct	Table 2 of Make by Weight			
	Make	Weight(Weight (LBS))		
		Light	Heavy	Total
	A-brands Through H-brands	3	36	39
		7.69	92.31	
	I-brands Through R-brands	4	46	50
		8.00	92.00	
	S-brands Through Z-brands	5	29	34
		14.71	85.29	
	Total	12	111	123

**The FREQ Procedure**

<i>Frequency Row Pct</i>	<i>Table 3 of Make by Weight Controlling for Origin=USA</i>			
	<i>Weight(Weight (LBS))</i>			
	<i>Make</i>	<i>Light</i>	<i>Heavy</i>	<i>Total</i>
	<i>A-brands Through H-brands</i>	14 13.46	90 86.54	104
	<i>I-brands Through R-brands</i>	4 11.43	31 88.57	35
	<i>S-brands Through Z-brands</i>	5 62.50	3 37.50	8
	<i>Total</i>	23	124	147

## The MEANS Procedure

Type	Weight (LBS)	Variable	N	Lower 90% CL for Mean	Mean	Upper 90% CL for Mean	10th Pctl	50th Pctl	90th Pctl
Hybrid	Light	Invoice	3	17573.18	18429.33	19285.49	17911.00	18451.00	18926.00
		MSRP	3	18696.97	19920.00	21143.03	19110.00	20140.00	20510.00
SUV	Light	Invoice	1	.	19108.00	.	19108.00	19108.00	19108.00
		MSRP	1	.	20255.00	.	20255.00	20255.00	20255.00
	Heavy	Invoice	59	29214.67	31837.51	34460.34	18630.00	29977.00	47986.00
		MSRP	59	32081.44	35036.61	37991.78	20130.00	32235.00	52795.00
Sedan	Light	Invoice	64	13722.05	14306.91	14891.76	10896.00	13896.50	17924.00
		MSRP	64	14656.70	15308.81	15960.93	11560.00	14940.00	19825.00
	Heavy	Invoice	198	29978.44	31618.61	33258.78	19638.00	28021.00	46362.00
		MSRP	198	32672.92	34449.11	36225.31	21055.00	30847.50	50595.00
Sports	Light	Invoice	10	25365.08	30328.40	35291.72	20532.00	30515.00	41826.00
		MSRP	10	27840.06	33660.10	39480.14	22479.00	33577.50	47865.00
	Heavy	Invoice	39	44347.37	53125.67	61903.96	23456.00	44170.00	84325.00
		MSRP	39	48753.41	58445.26	68137.10	25092.00	48195.00	90520.00
Truck	Light	Invoice	2	6057.79	12974.50	19891.21	11879.00	12974.50	14070.00
		MSRP	2	7379.97	13820.00	20260.03	12800.00	13820.00	14840.00
	Heavy	Invoice	22	20294.04	23493.32	26692.60	14978.00	21393.00	35399.00
		MSRP	22	22399.55	25952.41	29505.27	16530.00	23435.00	40340.00
Wagon	Light	Invoice	7	13149.75	16189.43	19229.10	11410.00	15973.00	24641.00
		MSRP	7	13875.32	17131.00	20386.68	11905.00	16695.00	26135.00
	Heavy	Invoice	23	26153.66	29827.96	33502.25	19646.00	28725.00	44446.00
		MSRP	23	28444.02	32404.30	36364.58	21445.00	32455.00	49090.00