

*Descriptive statistics of three-way table*

*The FREQ Procedure*

type		
C3	Frequency	Percent
Compact	16	17.39
Large	11	11.96
Midsize	22	23.91
Small	20	21.74
Sporty	14	15.22
Van	9	9.78

Binomial Proportion for C3 = Compact	
Proportion	0.1739
ASE	0.0395
95% Lower Conf Limit	0.0965
95% Upper Conf Limit	0.2514
Exact Conf Limits	
95% Lower Conf Limit	0.1028
95% Upper Conf Limit	0.2670

Test of H0: Proportion = 0.5	
ASE under H0	0.0521
Z	-6.2554
One-sided Pr < Z	<.0001
Two-sided Pr >  Z	<.0001

*Sample Size = 92*

domfor		
B2	Frequency	Percent
0	44	47.83
1	48	52.17

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<b>Binomial Proportion for B2 = 0</b>	
<b>Proportion</b>	0.4783
<b>ASE</b>	0.0521
<b>95% Lower Conf Limit</b>	0.3762
<b>95% Upper Conf Limit</b>	0.5803
<b>Exact Conf Limits</b>	
<b>95% Lower Conf Limit</b>	0.3730
<b>95% Upper Conf Limit</b>	0.5850

<b>Test of H0: Proportion = 0.5</b>	
<b>ASE under H0</b>	0.0521
<b>Z</b>	-0.4170
<b>One-sided Pr &lt; Z</b>	0.3383
<b>Two-sided Pr &gt;  Z </b>	0.6767

*Sample Size = 92*

<b>MPG</b>	<b>Frequency</b>	<b>Percent</b>
<b>0</b>	22	23.91
<b>1</b>	70	76.09

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<b>Binomial Proportion for MPG = 0</b>	
<b>Proportion</b>	0.2391
<b>ASE</b>	0.0445
<b>95% Lower Conf Limit</b>	0.1520
<b>95% Upper Conf Limit</b>	0.3263
<b>Exact Conf Limits</b>	
<b>95% Lower Conf Limit</b>	0.1563
<b>95% Upper Conf Limit</b>	0.3394

<b>Test of H0: Proportion = 0.5</b>	
<b>ASE under H0</b>	0.0521
<b>Z</b>	-5.0043
<b>One-sided Pr &lt; Z</b>	<.0001
<b>Two-sided Pr &gt;  Z </b>	<.0001

*Sample Size = 92*

*Chi-square statistics of three-way table*

*The FREQ Procedure*

Frequency Percent	Table 1 of B2 by MPG		
	Controlling for C3=Compact		
	B2(domfor)	MPG	
0		1	
<b>0</b>	0 0.00	9 56.25	9 56.25
<b>1</b>	0 0.00	7 43.75	7 43.75
<b>Total</b>	0 0.00	16 100.00	16 100.00

*Statistics for Table 1 of B2 by MPG  
Controlling for C3=Compact*

*Row or column sum zero. No statistics computed for this table.*

*Sample Size = 16*

Frequency Percent	Table 2 of B2 by MPG		
	Controlling for C3=Large		
	B2(domfor)	MPG	
0		1	
<b>0</b>	0 0.00	0 0.00	0 0.00
<b>1</b>	2 18.18	9 81.82	11 100.00
<b>Total</b>	2 18.18	9 81.82	11 100.00

*Chi-square statistics of three-way table*

*The FREQ Procedure*

*Statistics for Table 2 of B2 by MPG  
Controlling for C3=Large*

*Row or column sum zero. No statistics computed for this table.*

*Sample Size = 11*

Frequency Percent	Table 3 of B2 by MPG		
	Controlling for C3=Midsize		
	B2(domfor)	MPG	
0		1	Total
0	6 27.27	6 27.27	12 54.55
1	1 4.55	9 40.91	10 45.45
<b>Total</b>	7 31.82	15 68.18	22 100.00

*Chi-square statistics of three-way table*

*The FREQ Procedure*

*Statistics for Table 3 of B2 by MPG  
Controlling for C3=Midsize*

Statistic	DF	Value	Prob
Chi-Square	1	4.0229	0.0449
Likelihood Ratio Chi-Square	1	4.3844	0.0363
Continuity Adj. Chi-Square	1	2.3903	0.1221
Mantel-Haenszel Chi-Square	1	3.8400	0.0500
Phi Coefficient		0.4276	
Contingency Coefficient		0.3932	
Cramer's V		0.4276	

**WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.**

Fisher's Exact Test	
Cell (1,1) Frequency (F)	6
Left-sided Pr <= F	0.9954
Right-sided Pr >= F	0.0588
Table Probability (P)	0.0542
Two-sided Pr <= P	0.0743

*Sample Size = 22*

Frequency Percent	Table 4 of B2 by MPG		
	Controlling for C3=Small		
	B2(domfor)	MPG	
0		1	
<b>0</b>	0 0.00	13 65.00	13 65.00
<b>1</b>	0 0.00	7 35.00	7 35.00
<b>Total</b>	0 0.00	20 100.00	20 100.00

*Chi-square statistics of three-way table*

*The FREQ Procedure*

*Statistics for Table 4 of B2 by MPG  
Controlling for C3=Small*

*Row or column sum zero. No statistics computed for this table.*

*Sample Size = 20*

Frequency Percent	Table 5 of B2 by MPG		
	Controlling for C3=Sporty		
	B2(domfor)	MPG	
0		1	
0	2 14.29	4 28.57	6 42.86
1	2 14.29	6 42.86	8 57.14
Total	4 28.57	10 71.43	14 100.00

*Chi-square statistics of three-way table*

*The FREQ Procedure*

*Statistics for Table 5 of B2 by MPG*

*Controlling for C3=Sporty*

Statistic	DF	Value	Prob
Chi-Square	1	0.1167	0.7327
Likelihood Ratio Chi-Square	1	0.1160	0.7334
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.1083	0.7420
Phi Coefficient		0.0913	
Contingency Coefficient		0.0909	
Cramer's V		0.0913	

**WARNING: 75% of the cells have expected counts less than 5. Chi-Square may not be a valid test.**

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2
Left-sided Pr <= F	0.8252
Right-sided Pr >= F	0.5944
Table Probability (P)	0.4196
Two-sided Pr <= P	1.0000

*Sample Size = 14*

Frequency Percent	Table 6 of B2 by MPG		
	Controlling for C3=Van		
		MPG	
B2(domfor)	0	1	Total
<b>0</b>	4 44.44	0 0.00	4 44.44
<b>1</b>	5 55.56	0 0.00	5 55.56
<b>Total</b>	9 100.00	0 0.00	9 100.00

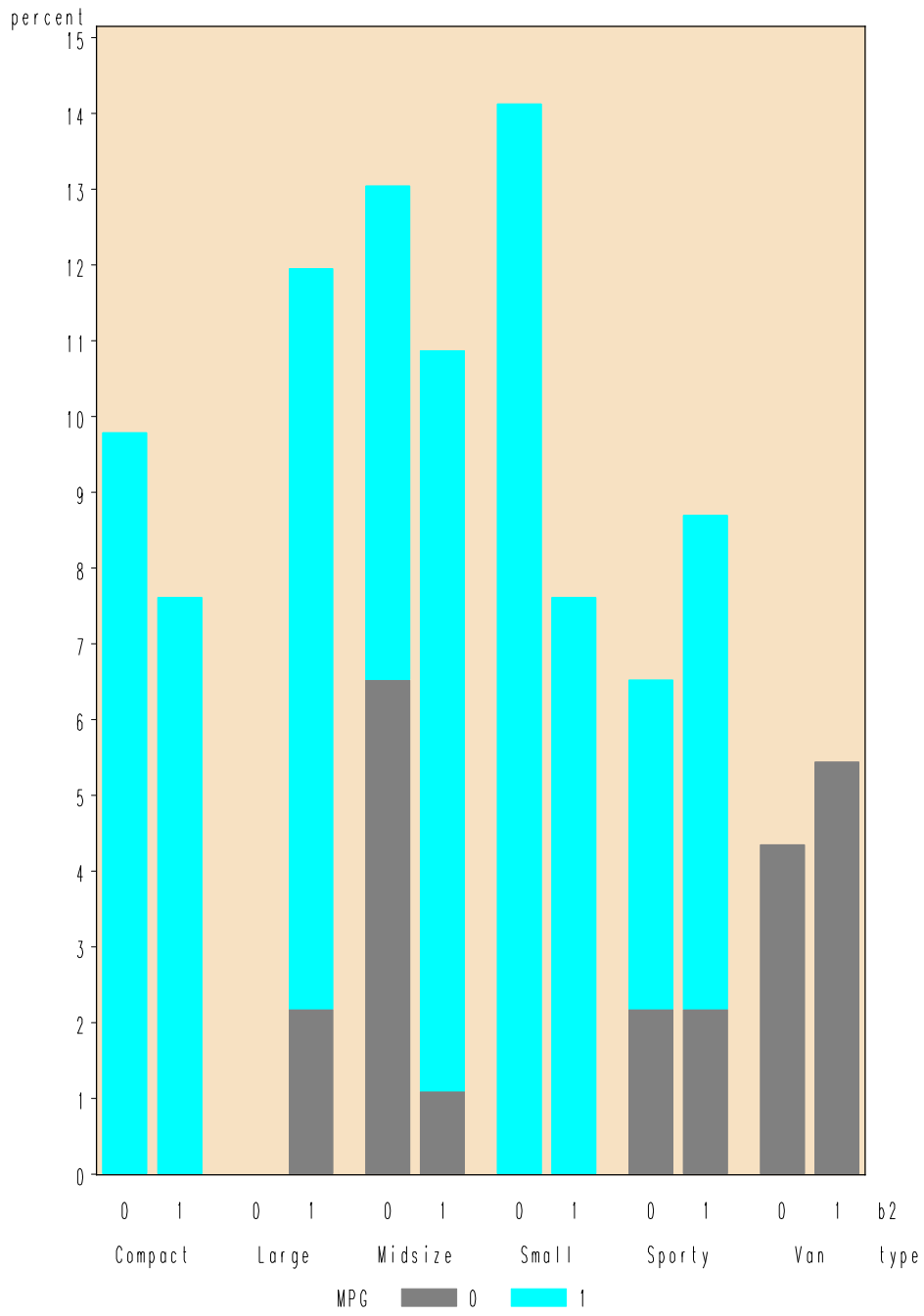
*Chi-square statistics of three-way table*

*The FREQ Procedure*

*Statistics for Table 6 of B2 by MPG  
Controlling for C3=Van*

*Row or column sum zero. No statistics computed for this table.*

*Sample Size = 9*



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