Correlation analysis of Make as the explanatory variable and Correlation reponse variable

The ANOVA Procedure

Cost=0

Class Level Information		
Class	Levels	Values
Efficiency	2	0 1

Number of Observations Read	213
Number of Observations Used	213

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means

Correlation analysis of Make as the explanatory variable and Correlation reponse variable

The ANOVA Procedure

Dependent Variable: Weight Weight (LBS)

Cost=0

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2680242.04	2680242.04	8.18	0.0047
Error	211	69128551.07	327623.46		
Corrected Total	212	71808793.11			

R-Square	Coeff Var	Root MSE	Weight Mean
0.037325	17.99681	572.3840	3180.474

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Efficiency	1	2680242.041	2680242.041	8.18	0.0047

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means

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The ANOVA Procedure

Cost=0

Level of Efficiency	N	Weight	
		Mean	Std Dev
0	210	3167.06667	574.647032
1	3	4119.00000	237.419460

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means

Correlation analysis of Make as the explanatory variable and Correlation reponse variable

The ANOVA Procedure

Cost=1

Class Level Information		
Class	Levels	Values
Efficiency	2	0 1

Number of Observations Read	215
Number of Observations Used	215

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means

Correlation analysis of Make as the explanatory variable and Correlation reponse variable

The ANOVA Procedure

Dependent Variable: Weight Weight (LBS)

Cost=1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	156408.6	156408.6	0.31	0.5775
Error	213	107019963.3	502441.1		
Corrected Total	214	107176371.9			

R-Square	Coeff Var	Root MSE	Weight Mean
0.001459	17.84688	708.8308	3971.735

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Efficiency	1	156408.5676	156408.5676	0.31	0.5775

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means

Correlation analysis of Make as the explanatory variable and Correlation reponse variable

The ANOVA Procedure

Cost=1

Level of Efficiency	N	Weight	
		Mean	Std Dev
0	3	3745.00000	401.127162
1	212	3974.94340	711.110730

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means

Correlation analysis of Make as the explanatory variable and Correlation reponse variable

The FREQ Procedure

Frequency Percent Row Pct Col Pct

Table of Cost by Efficiency			
	Efficiency		
Cost	0	1	Total
0	210 49.07 98.59 98.59	3 0.70 1.41 1.40	213 49.77
1	3 0.70 1.40 1.41	212 49.53 98.60 98.60	215 50.23
Total	213 49.77	215 50.23	428 100.00

Statistics for Table of Cost by Efficiency

Statistic	DF	Value	Prob
Chi-Square	1	404.3359	<.0001
Likelihood Ratio Chi-Square	1	530.2009	<.0001
Continuity Adj. Chi-Square	1	400.4574	<.0001
Mantel-Haenszel Chi-Square	1	403.3912	<.0001
Phi Coefficient		0.9720	
Contingency Coefficient		0.6970	
Cramer's V		0.9720	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	210
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 428

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means

Correlation analysis of Make as the explanatory variable and Correlation reponse variable

The CORR Procedure

2 Variables:	Invoice MSRP

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
Invoice	428	30015	17642	12846292	9875	173560
MSRP	428	32775	19432	14027638	10280	192465

Pearson Correlation Coefficients, N = 428 Prob > |r| under H0: Rho=0		
	Invoice	MSRP
Invoice	1.00000	0.99913 <.0001
MSRP	0.99913 <.0001	1.00000

CONCULSION 1: A Pearson correlation = 0.0001 < 0.05,is strong a linear association between 3 distributed random variables (Invoice,MSRP,Weight);CONCULSION 2: A Chi-sqaured = 0.0047 < 0.05,there is an association between Cost varible and Efficiency varibleCONCULSION 3: A Pearson correlation = 0.0001 < 0.05,there is no differences between the cost and Efficiency means