The SAS System

The ANOVA Procedure

Class Level Information		
Class	Levels	Values
Cylinder	3	4 6 8

Number of Observations Read	804
Number of Observations Used	804

The SAS System

The ANOVA Procedure

Dependent Variable: Price

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	36330315556	18165157778	345.36	<.0001
Error	801	42131067308	52598087		
Corrected Total	803	78461382864			

R-Square	Coeff Var	Root MSE	Price Mean
0.463034	33.98025	7252.454	21343.14

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Cylinder	2	36330315556	18165157778	345.36	<.0001

Distribution of Price
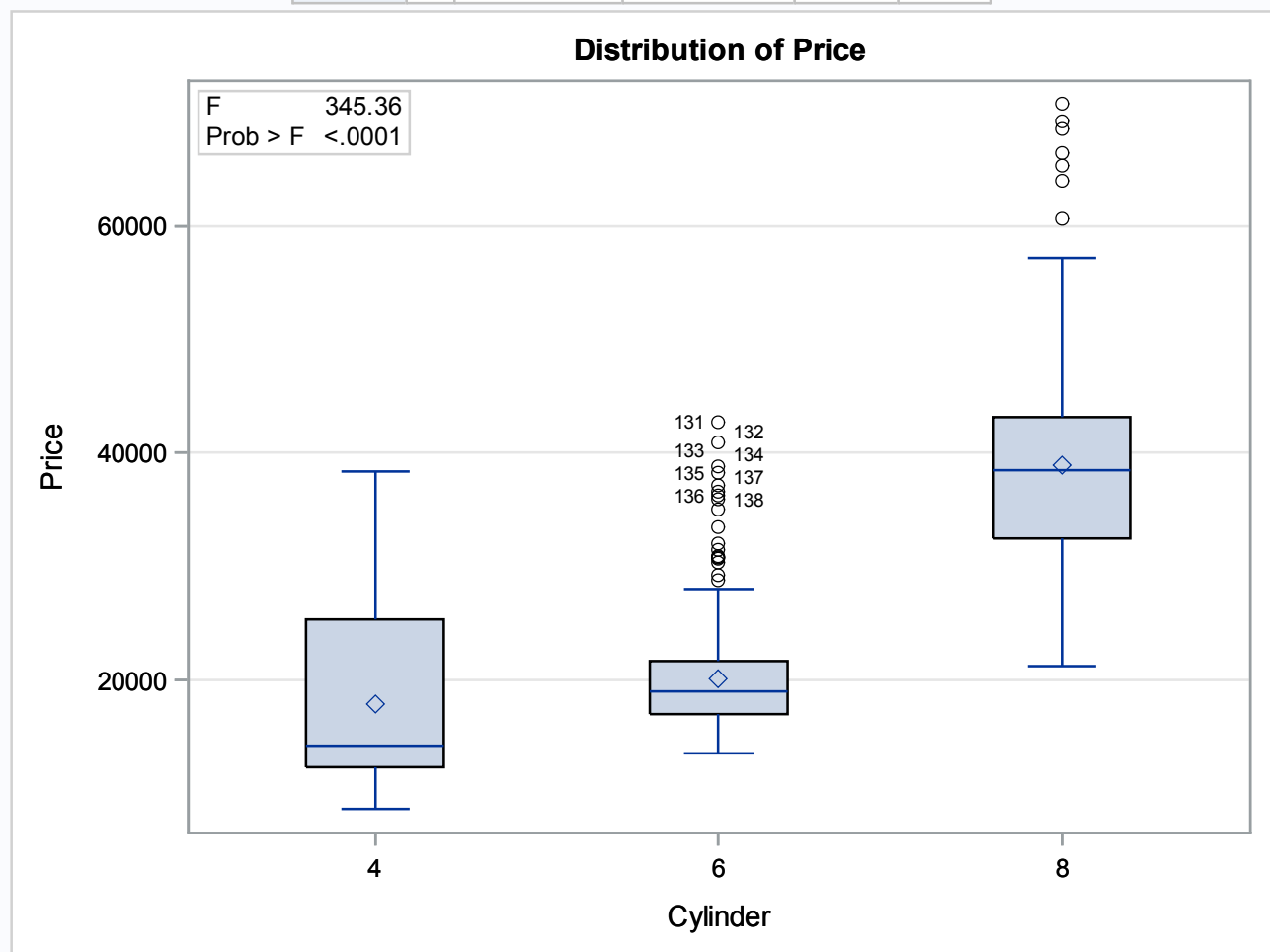
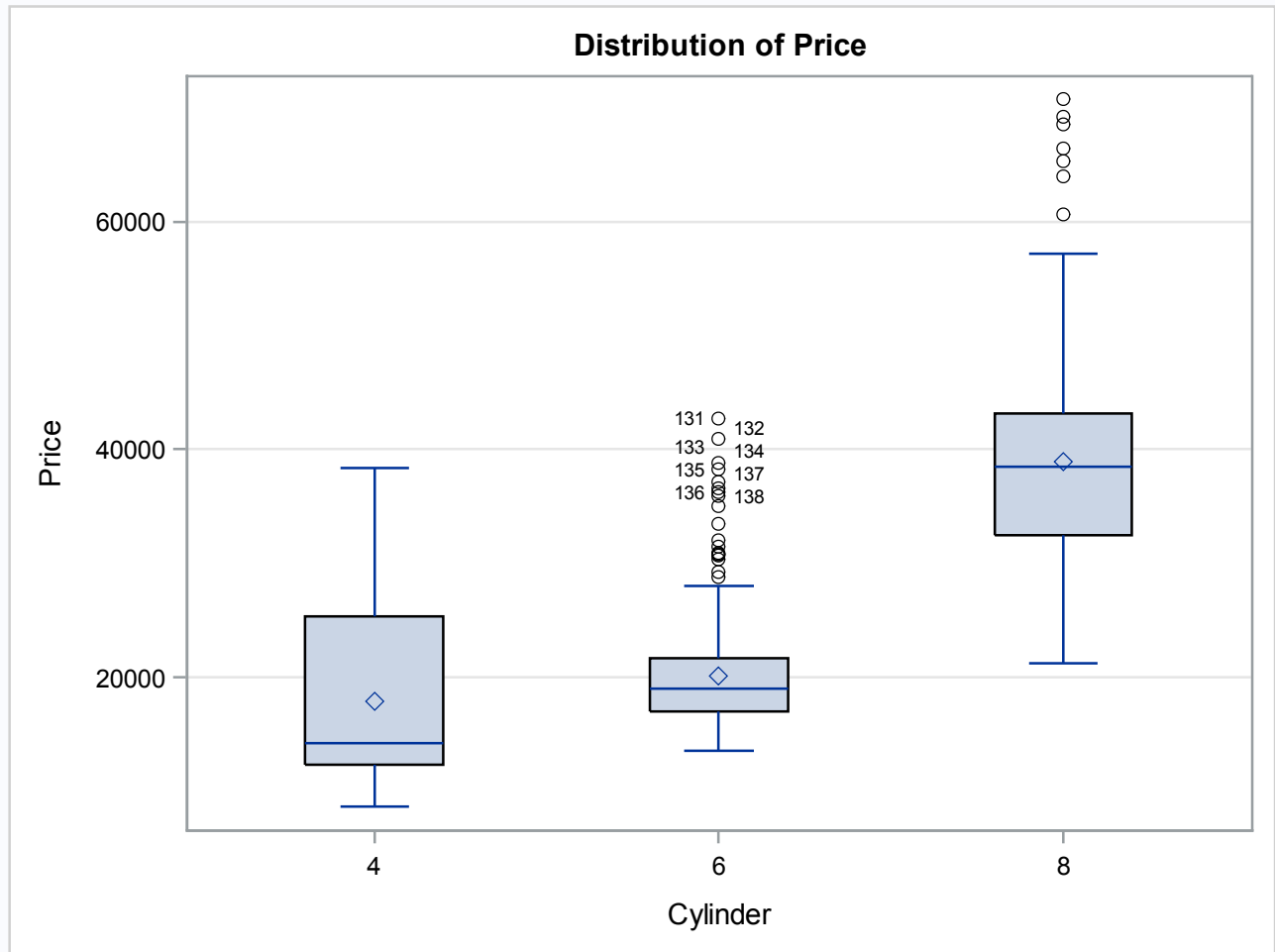# The SAS System

The ANOVA Procedure

Levene's Test for Homogeneity of Price Variance ANOVA of Squared Deviations from Group Means					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Cylinder	2	7.084E17	3.542E17	38.44	<.0001
Error	801	7.381E18	9.215E15		

Distribution of Price

The SAS System

The ANOVA Procedure

Tukey's Studentized Range (HSD) Test for Price

Note: This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	801
Error Mean Square	52598087
Critical Value of Studentized Range	3.32068

Comparisons significant at the 0.05 level are indicated by ***.				
Cylinder Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
8 - 6	18886.6	16928.2	20845.1	***
8 - 4	21105.5	19198.6	23012.3	***
6 - 8	-18886.6	-20845.1	-16928.2	***
6 - 4	2218.8	926.0	3511.7	***
4 - 8	-21105.5	-23012.3	-19198.6	***
4 - 6	-2218.8	-3511.7	-926.0	***