Tutorial 7 Question 2 One way ANOVA

The UNIVARIATE Procedure
Variable: resid

Moments			
N	18	Sum Weights	18
Mean	0	Sum Observations	0
Std Deviation	1.2213782	Variance	1.49176471
Skewness	0.54116092	Kurtosis	0.06403611
Uncorrected SS	25.36	Corrected SS	25.36
Coeff Variation	.	Std Error Mean	0.2878816

Basic Statistical Measures			
Location		Variability	
Mean	0.00000	Std Deviation	1.22138
Median	-0.06667	Variance	1.49176
Mode	-0.93333	Range	4.60000
		Interquartile Range	1.80000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	0	Pr > |t|	1.0000
Sign	M	0	Pr >= |M|	1.0000
Signed Rank	S	-5	Pr >= |S|	0.8400

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.5333333
99%	2.5333333
95%	2.5333333
90%	2.2666667
75% Q3	0.8666667
50% Median	-0.0666667
25% Q1	-0.9333333
10%	-1.5333333
5%	-2.0666667
1%	-2.0666667
0% Min	-2.0666667

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-2.066667	6	0.866667	13
-1.533333	17	0.933333	7
-1.066667	5	1.133333	2
-0.933333	18	2.266667	14
-0.933333	16	2.533333	1

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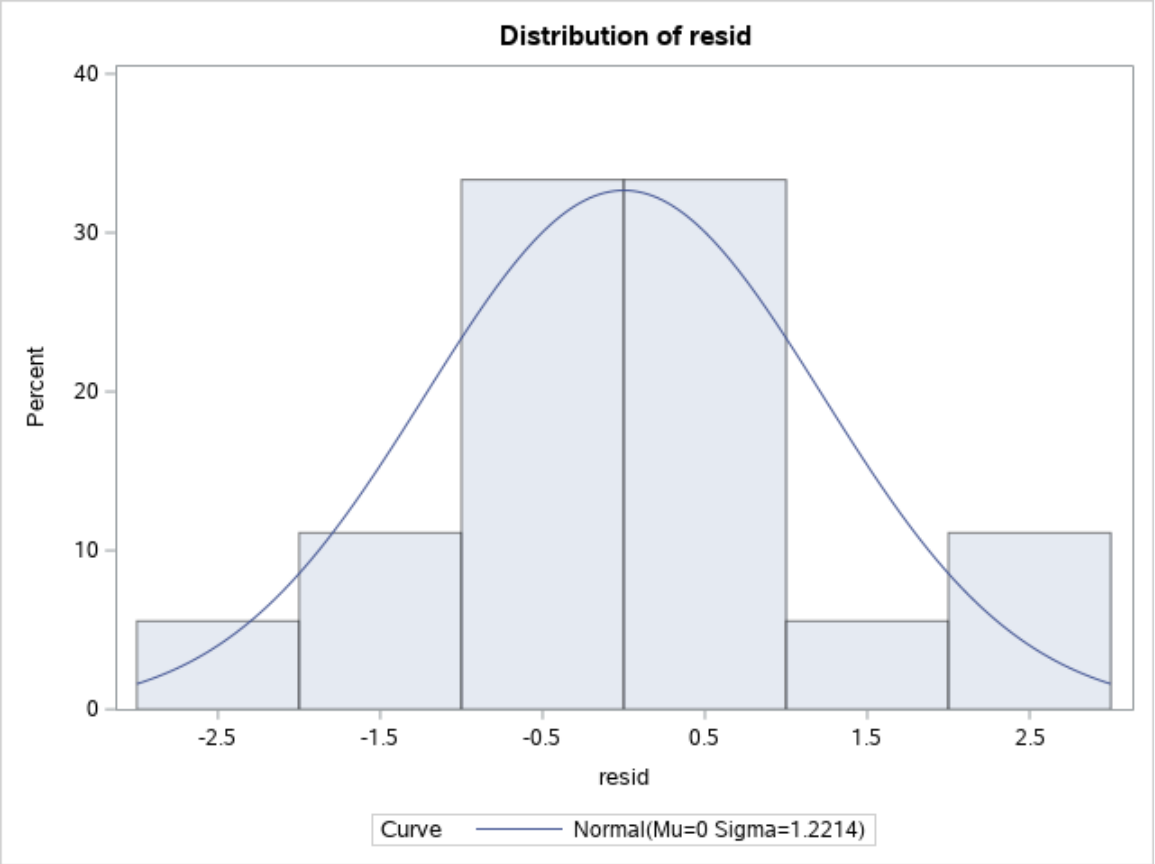
The UNIVARIATE Procedure



Tutorial 7 Question 2 One way ANOVA

The UNIVARIATE Procedure
Fitted Normal Distribution for resid

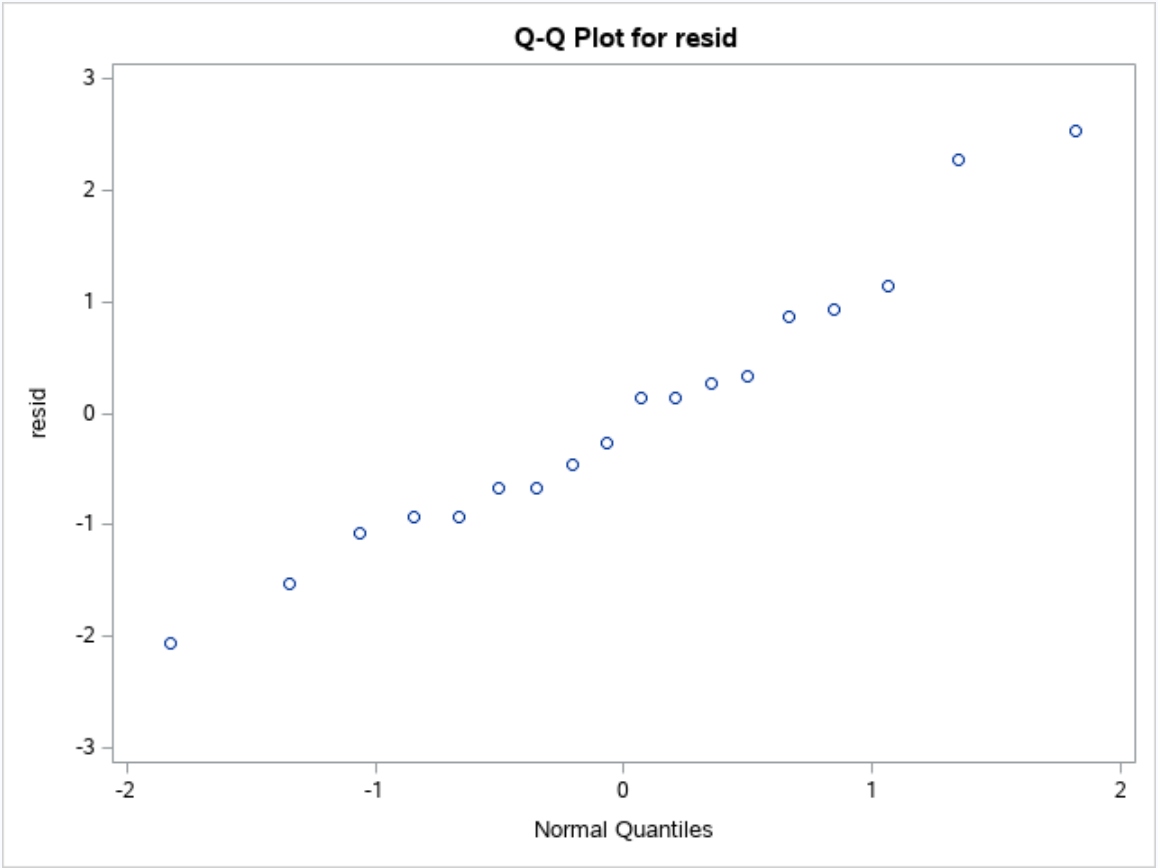
Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0
Std Dev	Sigma	1.221378

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11468122	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03947703	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.27599312	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	-2.06667	-2.84135
5.0	-2.06667	-2.00899
10.0	-1.53333	-1.56526
25.0	-0.93333	-0.82381
50.0	-0.06667	0.00000
75.0	0.86667	0.82381
90.0	2.26667	1.56526
95.0	2.53333	2.00899
99.0	2.53333	2.84135

Tutorial 7 Question 2 One way ANOVA

The UNIVARIATE Procedure


Q-Q Plot for resid
resid
Normal Quantiles
3
2
1
0
-1
-2
-3
-2
-1
0
1
2