Difficulty Level of The Experiment

Case Processing Summary

	Difficulty Level of The Experiment	Cases			
		Valid		Missing	
		N	Percent	N	Percent
Grdaes With Type Hints	Very Easy	2	100.0%	0	0.0%
	Easy	9	100.0%	0	0.0%
	Moderate	78	100.0%	0	0.0%
	Hard	21	100.0%	0	0.0%
	Very Hard	2	100.0%	0	0.0%

Case Processing Summary

	Difficulty Level of The Experiment	Cases	
		Total	
		N	Percent
Grdaes With Type Hints	Very Easy	2	100.0%
	Easy	9	100.0%
	Moderate	78	100.0%
	Hard	21	100.0%
	Very Hard	2	100.0%

Descriptives

	Difficulty Level of The Experiment			Statistic	Std. Error
Grdaes With Type Hints	Very Easy	Mean		11.00	.000
		95% Confidence Interval for Mean	Lower Bound	11.00	
			Upper Bound	11.00	
		5% Trimmed Mean		11.00	
		Median		11.00	
		Variance		.000	
		Std. Deviation		.000	
		Minimum		11	
		Maximum		11	
		Range		0	
		Interquartile Range		0	
		Skewness		.	.
		Kurtosis		.	.
	Easy	Mean		8.33	1.979
		95% Confidence Interval for Mean	Lower Bound	3.77	
			Upper Bound	12.90	
		5% Trimmed Mean		8.15	
		Median		6.00	
		Variance		35.250	
		Std. Deviation		5.937	
		Minimum		2	
		Maximum		18	
		Range		16	
		Interquartile Range		11	
		Skewness		.615	.717
		Kurtosis		-1.175	1.400
	Moderate	Mean		6.58	.573
		95% Confidence Interval for Mean	Lower Bound	5.44	
			Upper Bound	7.72	
		5% Trimmed Mean		6.38	
		Median		5.00	
		Variance		25.650	
		Std. Deviation		5.065	
		Minimum		0	
		Maximum		18	
		Range		18	
		Interquartile Range		9	
		Skewness		.587	.272
		Kurtosis		-.896	.538

Descriptives

Difficulty Level of The Experiment			Statistic	Std. Error
Hard	Mean		2.62	.505
	95% Confidence Interval for Mean	Lower Bound	1.57	
		Upper Bound	3.67	
	5% Trimmed Mean		2.47	
	Median		2.00	
	Variance		5.348	
	Std. Deviation		2.312	
	Minimum		0	
	Maximum		8	
	Range		8	
	Interquartile Range		3	
	Skewness		.971	.501
	Kurtosis		.175	.972
Very Hard	Mean		6.50	5.500
	95% Confidence Interval for Mean	Lower Bound	-63.38	
		Upper Bound	76.38	
	5% Trimmed Mean		.	
	Median		6.50	
	Variance		60.500	
	Std. Deviation		7.778	
	Minimum		1	
	Maximum		12	
	Range		11	
	Interquartile Range		.	
	Skewness		.	.
	Kurtosis		.	.

Extreme Values[a]

	Difficulty Level of The Experiment			Case Number	Value
Grdaes With Type Hints	Very Easy	Highest	1	6	11[b]
		Lowest	1	8	11[c]
	Easy	Highest	1	30	18
			2	31	16
			3	77	12
			4	95	10
		Lowest	1	87	2
			2	106	3
			3	73	3
			4	69	5
	Moderate	Highest	1	26	18
			2	3	16
			3	4	16
			4	33	16
			5	49	16
		Lowest	1	46	0
			2	29	0
			3	14	0
			4	112	1
			5	105	1[d]
	Hard	Highest	1	41	8
			2	37	7
			3	98	6
			4	93	5
			5	85	4[e]
		Lowest	1	75	0
			2	56	0
			3	45	0
			4	107	1
			5	84	1[d]
	Very Hard	Highest	1	96	12
		Lowest	1	72	1

a. The requested number of extreme values exceeds the number of data points. A smaller number of extremes is displayed.

b. Only a partial list of cases with the value 11 are shown in the table of upper extremes.

c. Only a partial list of cases with the value 11 are shown in the table of lower extremes.

d. Only a partial list of cases with the value 1 are shown in the table of lower extremes.

e. Only a partial list of cases with the value 4 are shown in the table of upper extremes.

Tests of Normality

	Difficulty Level of The Experiment	Kolmogorov-Smirnov[a]			Shapiro-...
		Statistic	df	Sig.	Statistic
Grdaes With Type Hints	Very Easy	.	2	.	
	Easy	.208	9	.200*	.896
	Moderate	.135	78	.001	.910
	Hard	.187	21	.054	.891
	Very Hard	.260	2	.	

Tests of Normality

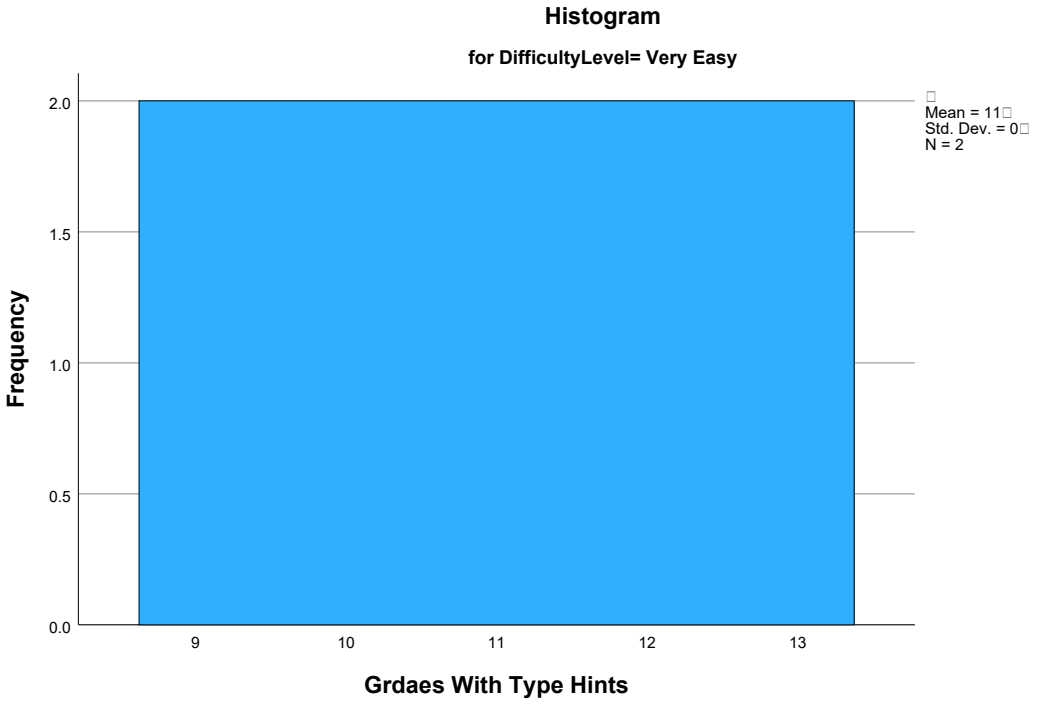
	Difficulty Level of The Experiment	Shapiro-Wilk	
		df	Sig.
Grdaes With Type Hints	Very Easy		
	Easy	9	.228
	Moderate	78	<.001
	Hard	21	.023
	Very Hard		

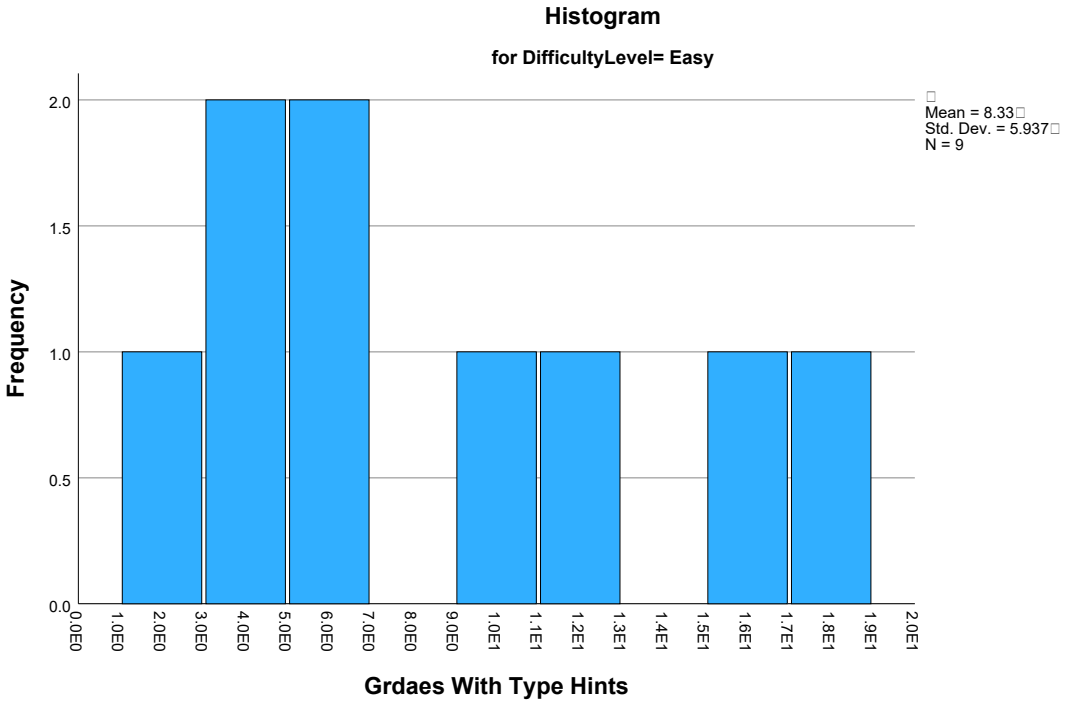
*. This is a lower bound of the true significance.

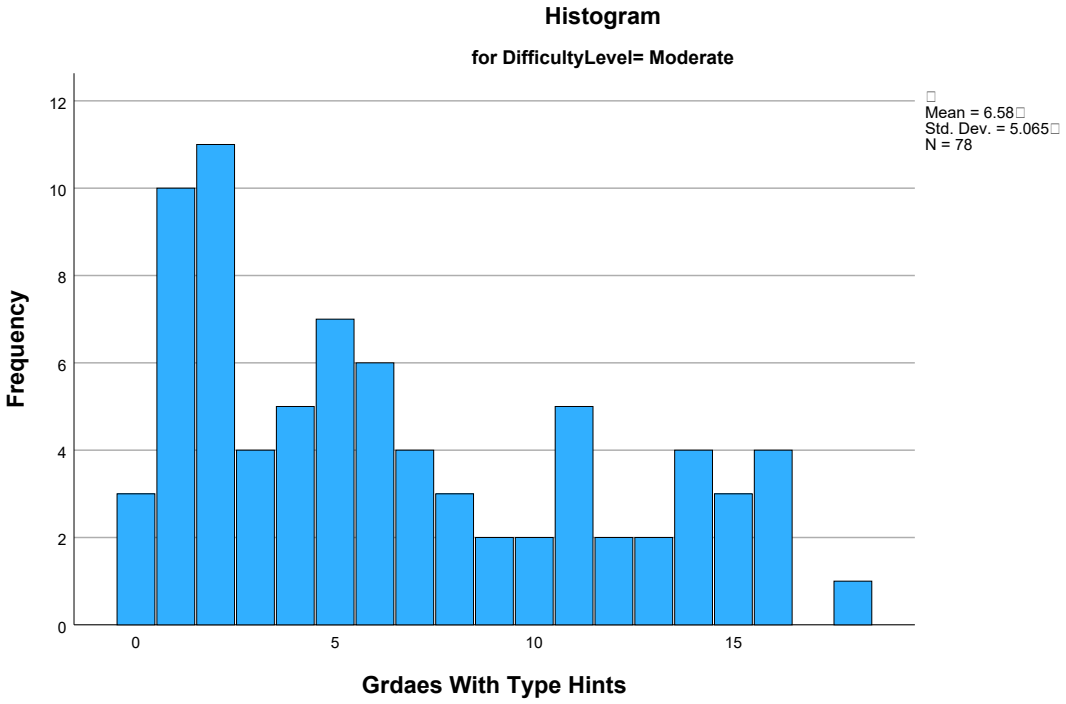
a. Lilliefors Significance Correction

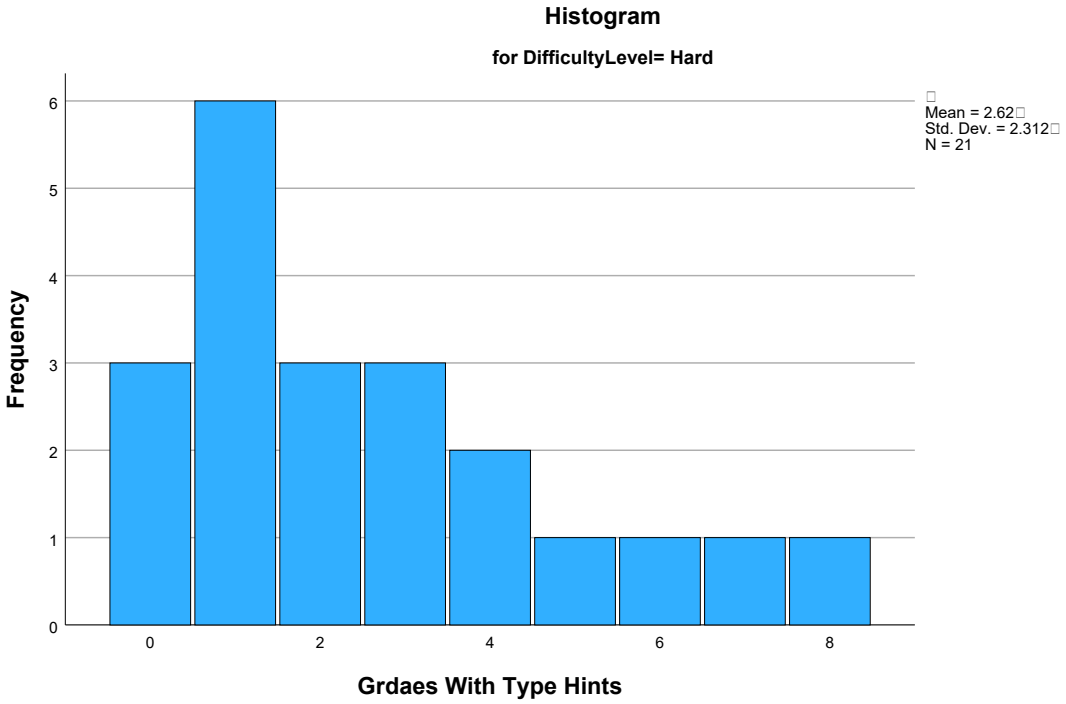
Grdaes With Type Hints

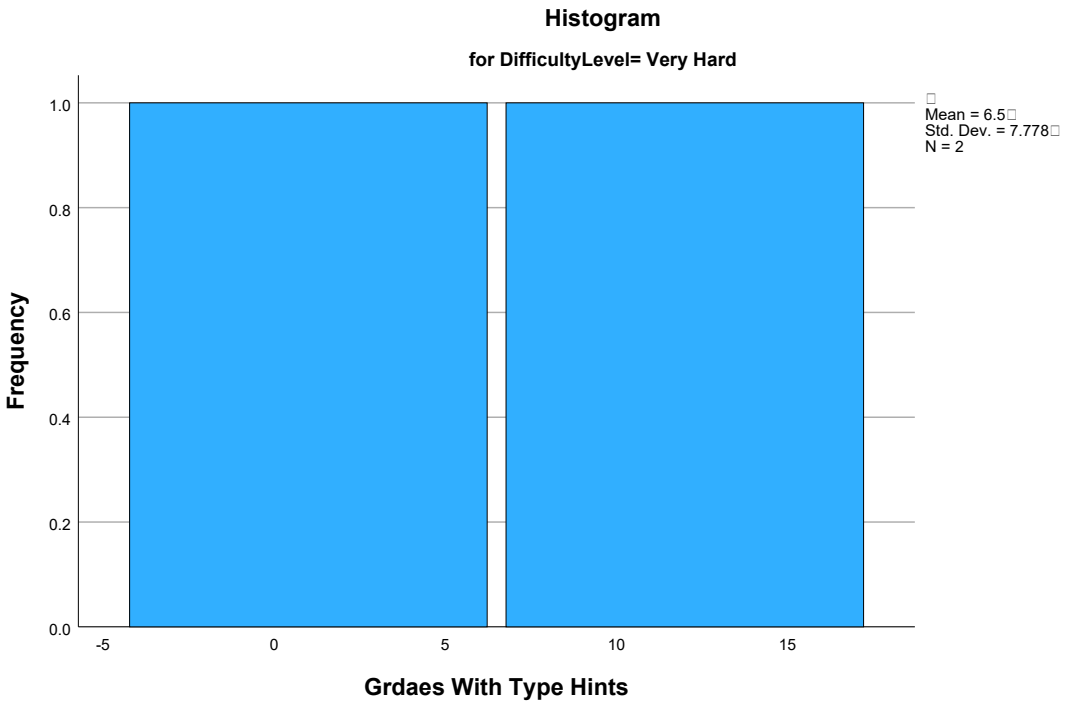
Histograms


Histogram
for DifficultyLevel= Very Easy
Mean = 11
Std. Dev. = 0
N = 2
Frequency
2.0
1.5
1.0
0.5
0.0
9
10
11
12
13
Grdaes With Type Hints

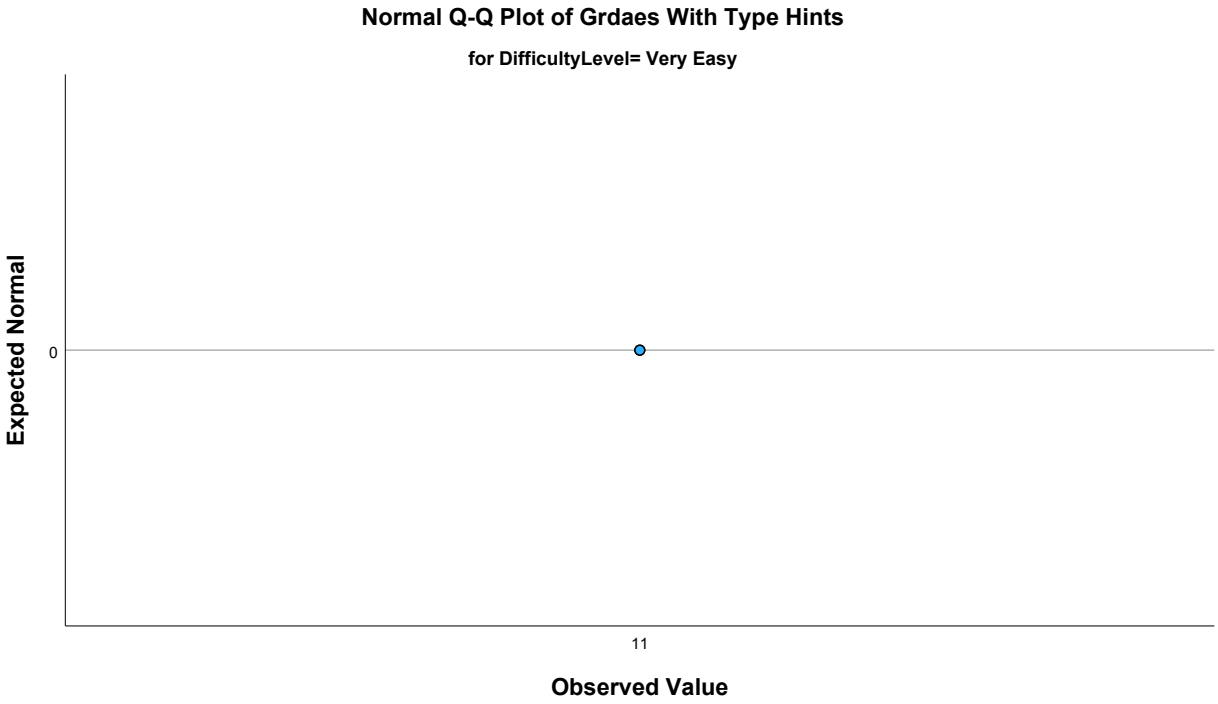

Histogram
for DifficultyLevel= Easy
Mean = 8.33
Std. Dev. = 5.937
N = 9
Frequency
2.0
1.5
1.0
0.5
0.0
0.0E0
1.0E0
2.0E0
3.0E0
4.0E0
5.0E0
6.0E0
7.0E0
8.0E0
9.0E0
1.0E1
1.1E1
1.2E1
1.3E1
1.4E1
1.5E1
1.6E1
1.7E1
1.8E1
1.9E1
2.0E1
Grdaes With Type Hints

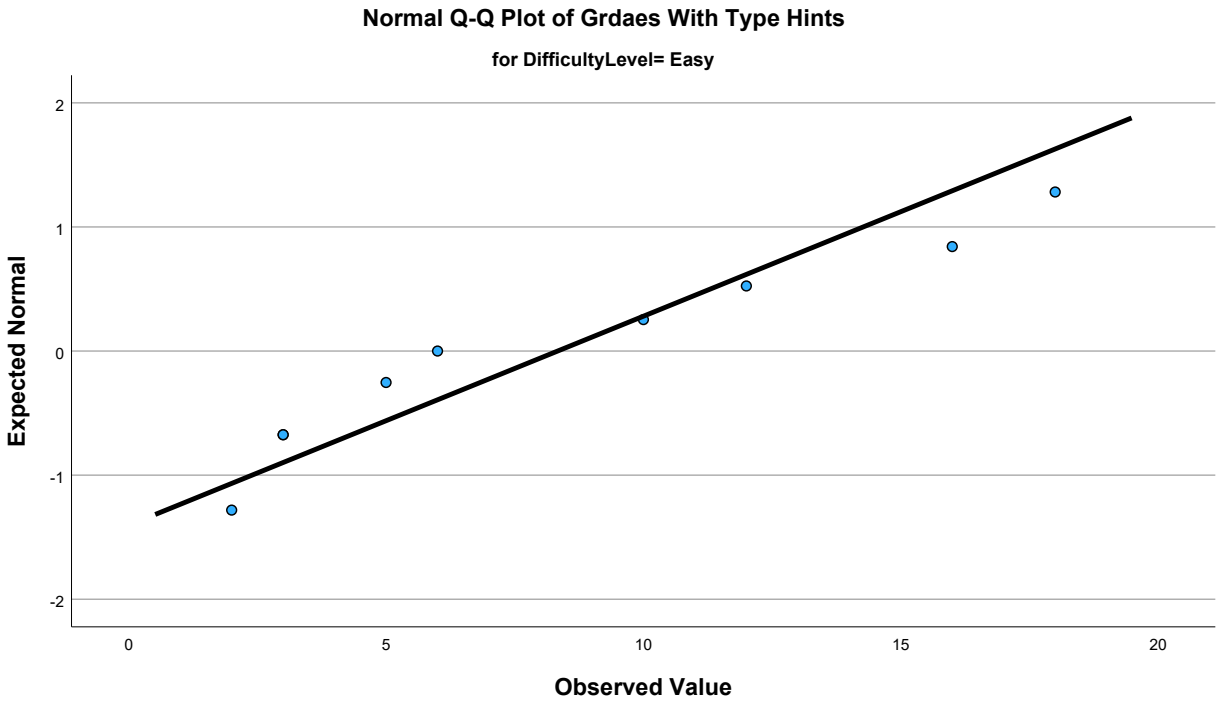

Histogram
for DifficultyLevel= Moderate
Mean = 6.58
Std. Dev. = 5.065
N = 78
Frequency
Grdaes With Type Hints

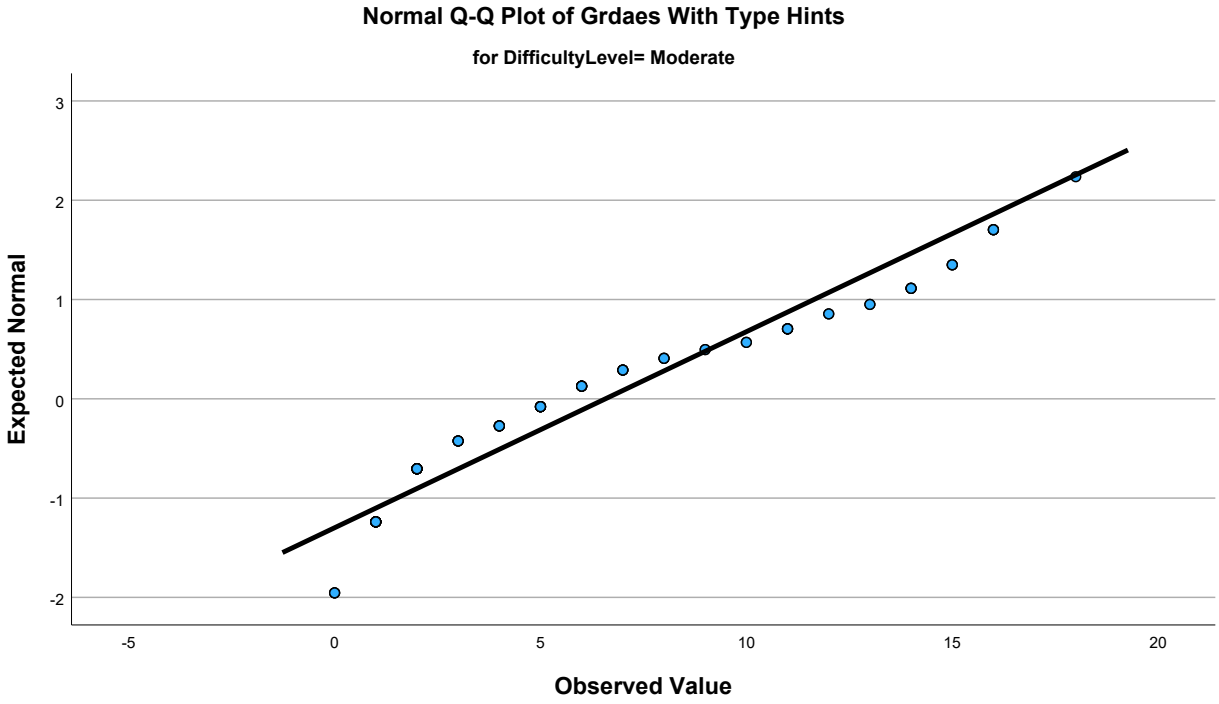

Histogram
for DifficultyLevel= Hard
Mean = 2.62
Std. Dev. = 2.312
N = 21
Frequency
Grdaes With Type Hints

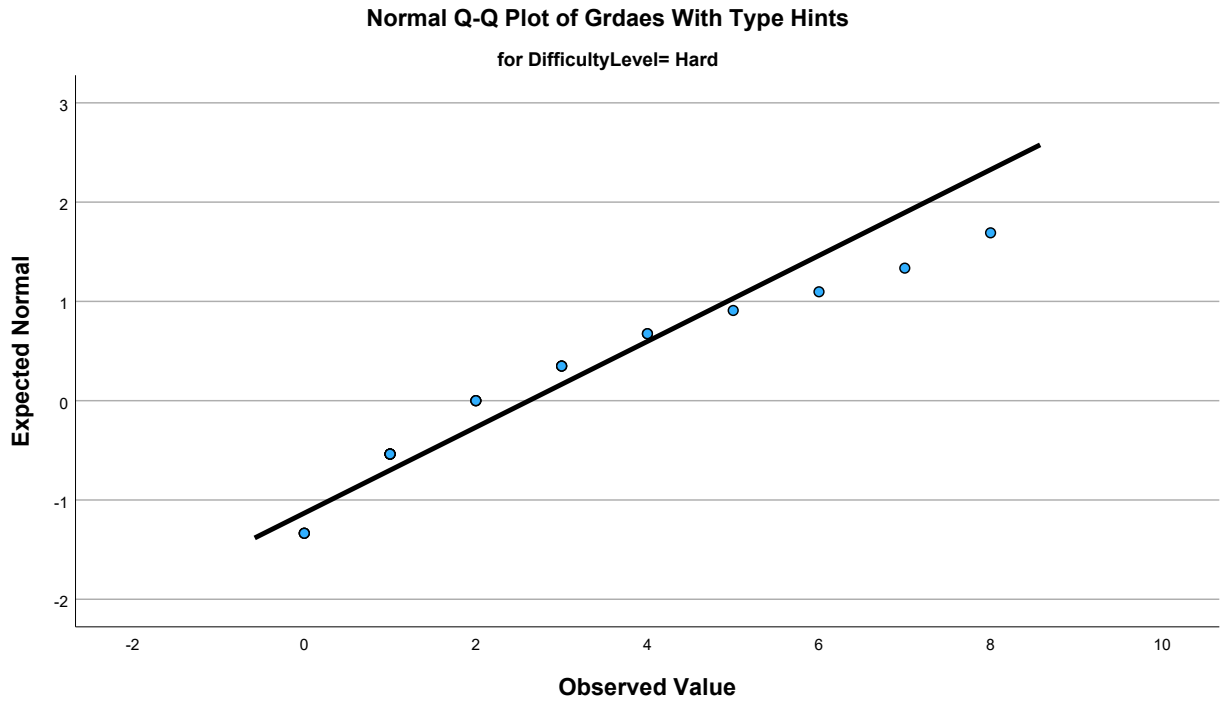


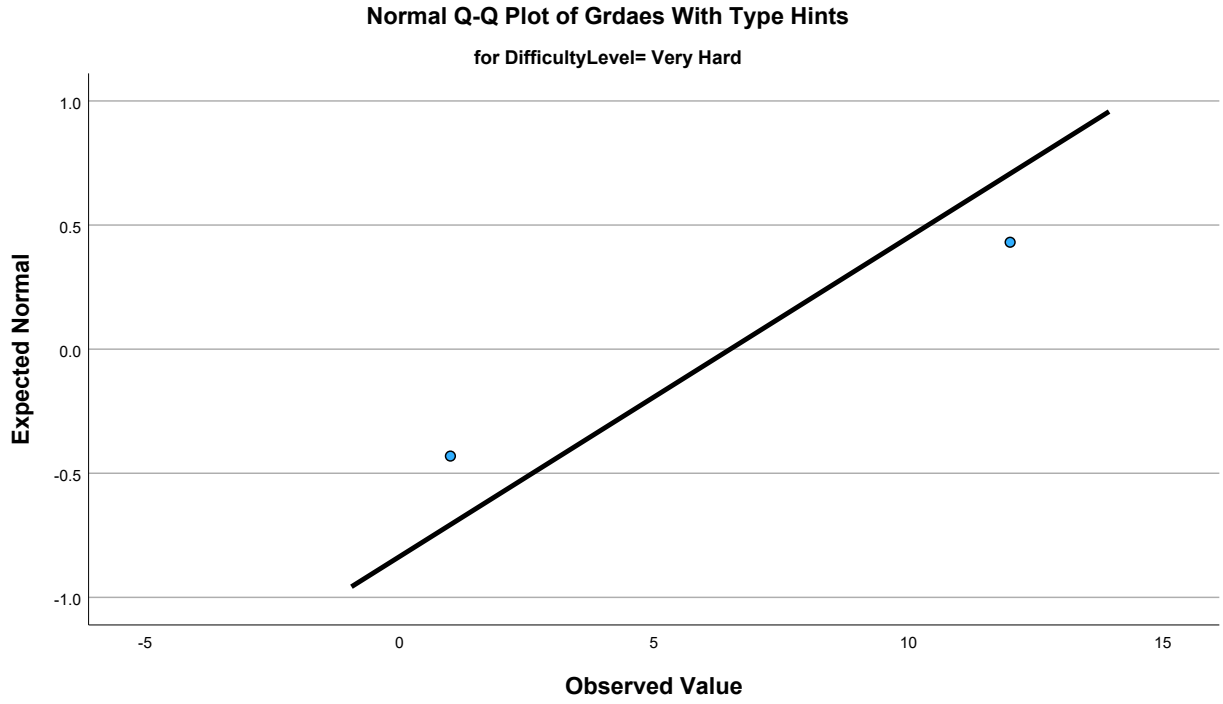
Normal Q-Q Plots



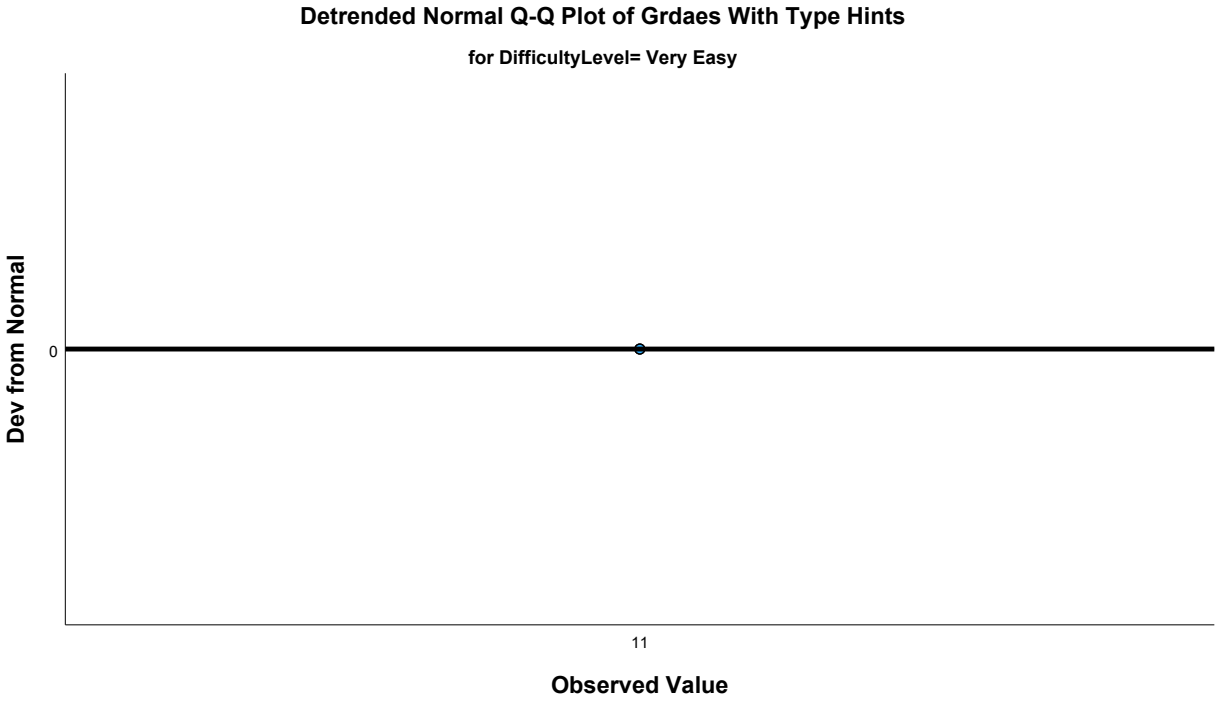

Normal Q-Q Plot of Grdaes With Type Hints
for DifficultyLevel= Easy
Expected Normal
2
1
0
-1
-2
0
5
10
15
20
Observed Value

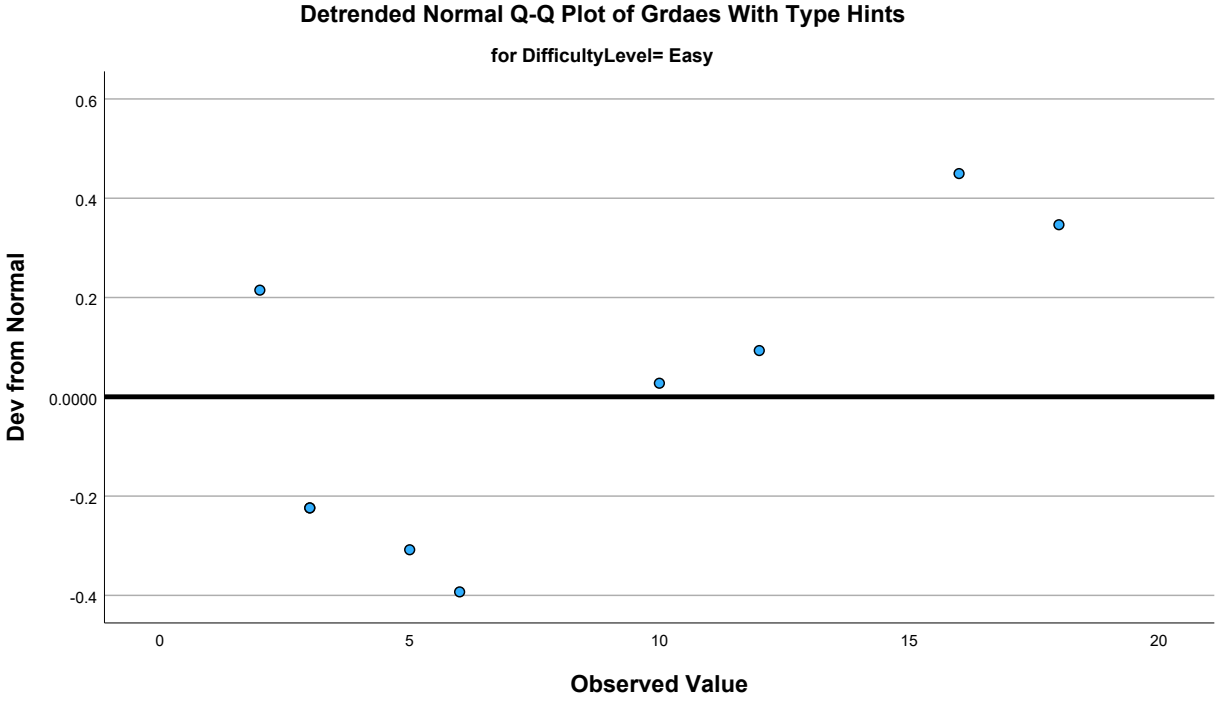

Normal Q-Q Plot of Grdaes With Type Hints
for DifficultyLevel= Moderate
Expected Normal
3
2
1
0
-1
-2
-5
0
5
10
15
20
Observed Value

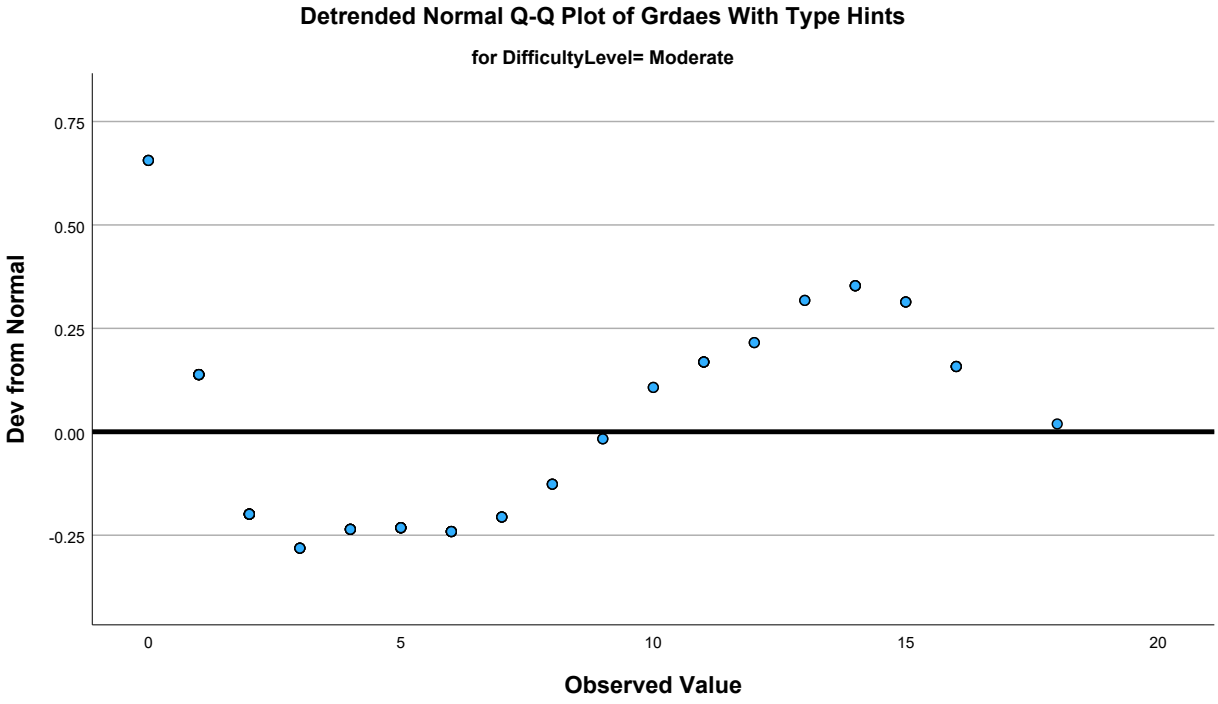


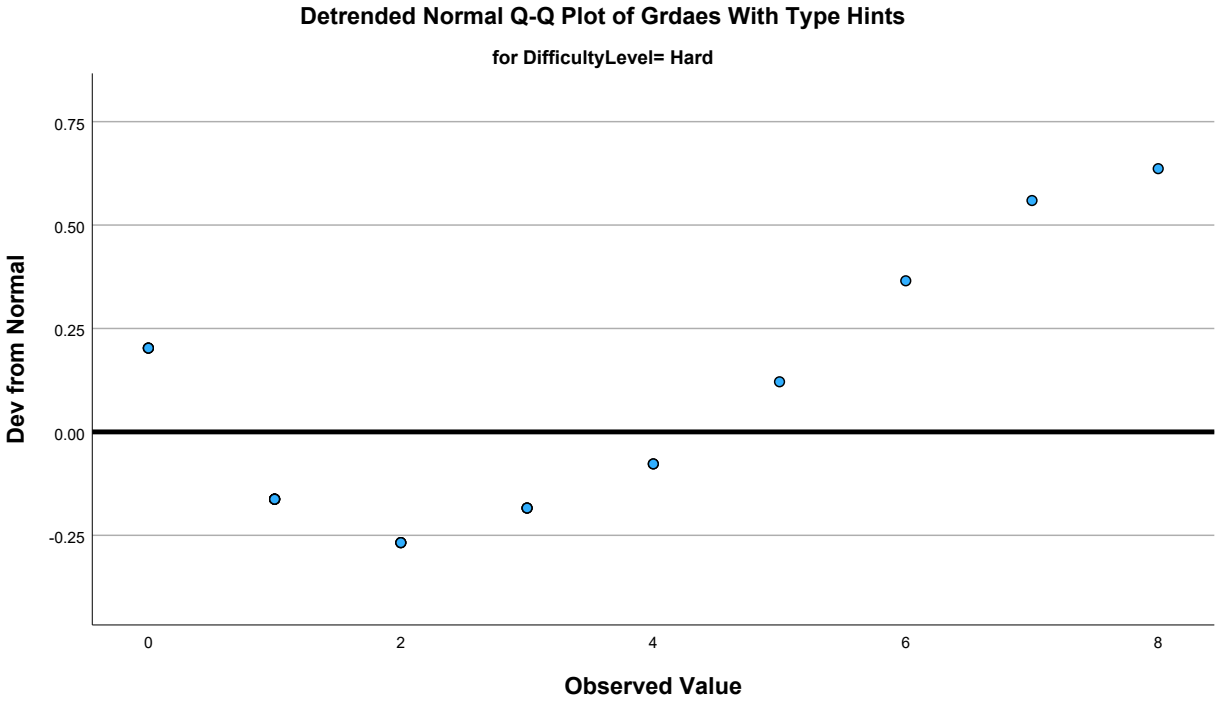


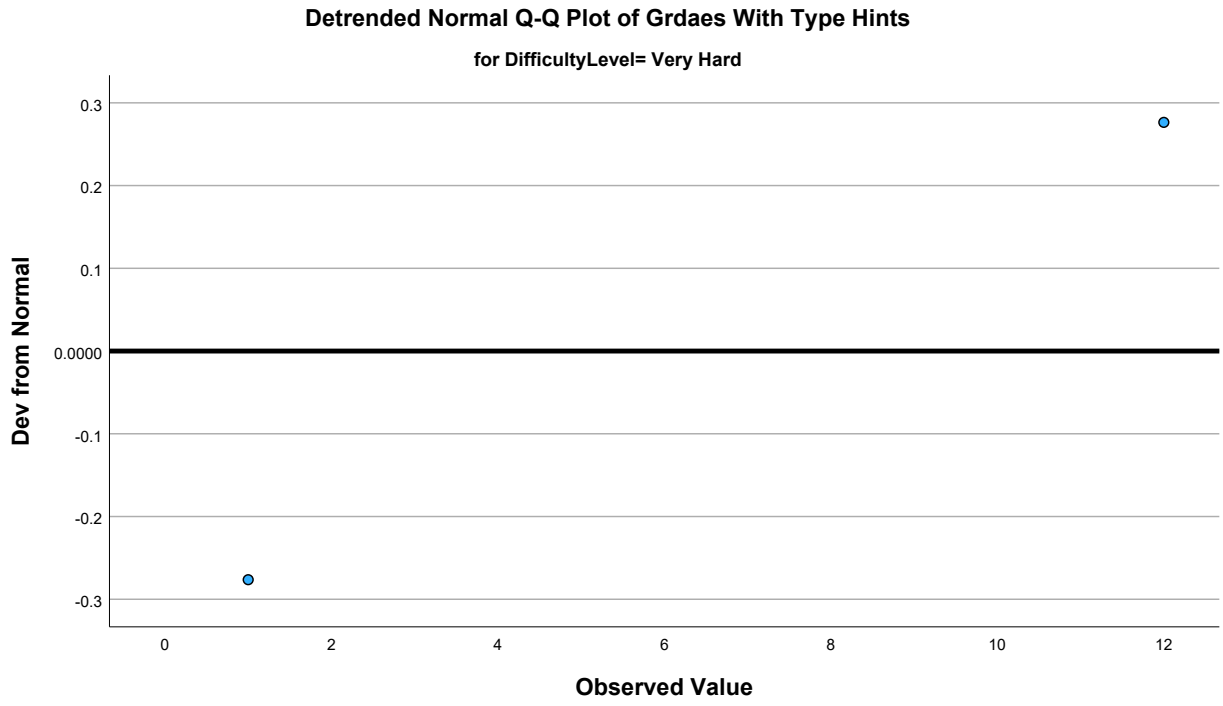
Detrended Normal Q-Q Plots


Detrended Normal Q-Q Plot of Grdaes With Type Hints
for DifficultyLevel= Very Easy
Dev from Normal
0
11
Observed Value

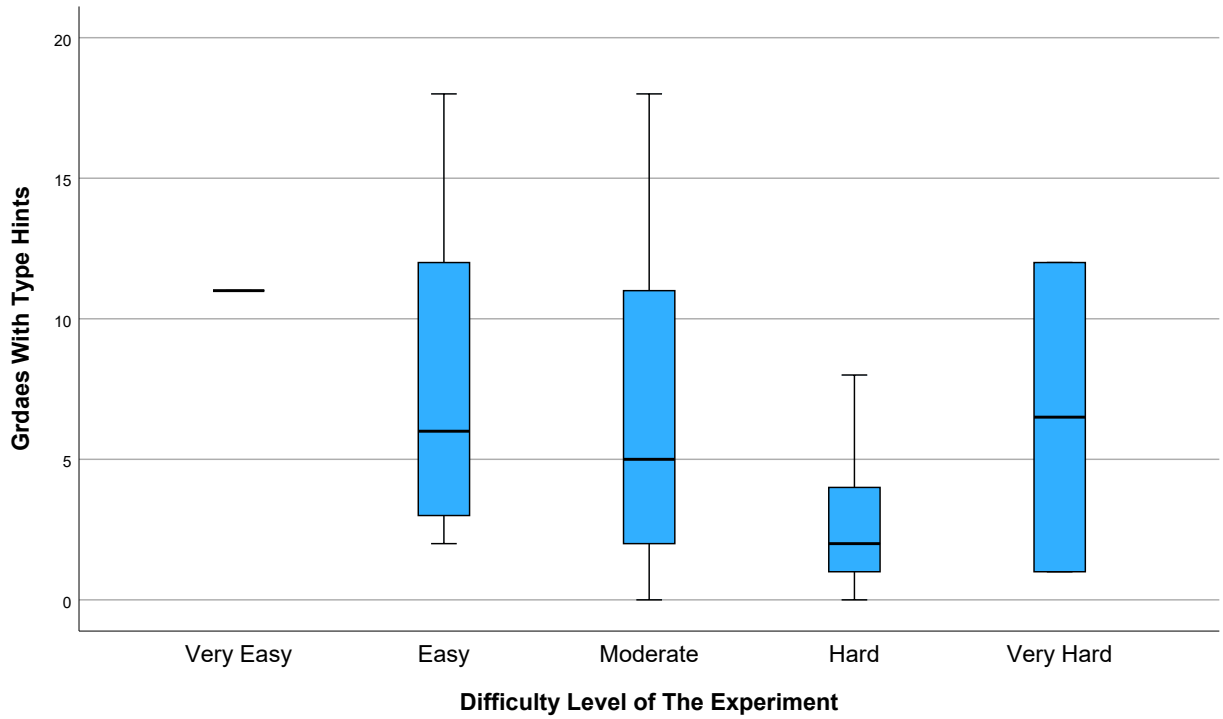

Detrended Normal Q-Q Plot of Grdaes With Type Hints
for DifficultyLevel= Easy
Dev from Normal
0.6
0.4
0.2
0.0000
-0.2
-0.4
0
5
10
15
20
Observed Value


Detrended Normal Q-Q Plot of Grdaes With Type Hints
for DifficultyLevel= Moderate
Dev from Normal
0.75
0.50
0.25
0.00
-0.25
0
5
10
15
20
Observed Value


Detrended Normal Q-Q Plot of Grdaes With Type Hints
for DifficultyLevel= Hard
Dev from Normal
0.75
0.50
0.25
0.00
-0.25
0
2
4
6
8
Observed Value


Detrended Normal Q-Q Plot of Grdaes With Type Hints
for DifficultyLevel= Very Hard
Dev from Normal
0.3
0.2
0.1
0.0000
-0.1
-0.2
-0.3
0
2
4
6
8
10
12
Observed Value

Boxplots


Grdaes With Type Hints
20
15
10
5
0
Very Easy
Easy
Moderate
Hard
Very Hard
Difficulty Level of The Experiment