

## Type Hints Affects in Readability

### Case Processing Summary

		Cases			
	Type Hints Affects in Readability	Valid		Missing	
		N	Percent	N	Percent
Grdaes With Type Hints	Strongly Disagree	6	100.0%	0	0.0%
	Disagree	8	100.0%	0	0.0%
	Neutral	16	100.0%	0	0.0%
	Agree	57	100.0%	0	0.0%
	Strongly Agree	25	100.0%	0	0.0%

### Case Processing Summary

		Cases	
	Type Hints Affects in Readability	Total	
		N	Percent
Grdaes With Type Hints	Strongly Disagree	6	100.0%
	Disagree	8	100.0%
	Neutral	16	100.0%
	Agree	57	100.0%
	Strongly Agree	25	100.0%

## Descriptives

Type Hints Affects in Readability			Statistic
Grdaes With Type Hints	Strongly Disagree	Mean	5.17
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	5.13
		Median	5.50
		Variance	14.967
		Std. Deviation	3.869
		Minimum	0
		Maximum	11
		Range	11
		Interquartile Range	7
		Skewness	.184
		Kurtosis	-.054
	Disagree	Mean	7.75
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	7.50
		Median	7.00
		Variance	36.500
		Std. Deviation	6.042
		Minimum	2
		Maximum	18
		Range	16
		Interquartile Range	10
		Skewness	.542
		Kurtosis	-1.093
	Neutral	Mean	2.50
		95% Confidence Interval for Mean	Lower Bound
			Upper Bound
		5% Trimmed Mean	2.44
		Median	2.00
		Variance	2.667
		Std. Deviation	1.633
		Minimum	0
		Maximum	6
		Range	6
		Interquartile Range	3
		Skewness	.525
		Kurtosis	-.416

## Descriptives

Type Hints Affects in Readability				Std. Error
Grdaes With Type Hints	Strongly Disagree	Mean		1.579
		95% Confidence Interval for Mean	Lower Bound	
			Upper Bound	
		5% Trimmed Mean		
		Median		
		Variance		
		Std. Deviation		
		Minimum		
		Maximum		
		Range		
		Interquartile Range		
		Skewness		.845
		Kurtosis		1.741
	Disagree	Mean		2.136
		95% Confidence Interval for Mean	Lower Bound	
			Upper Bound	
		5% Trimmed Mean		
		Median		
		Variance		
		Std. Deviation		
		Minimum		
		Maximum		
		Range		
		Interquartile Range		
		Skewness		.752
		Kurtosis		1.481
	Neutral	Mean		.408
		95% Confidence Interval for Mean	Lower Bound	
			Upper Bound	
		5% Trimmed Mean		
		Median		
		Variance		
		Std. Deviation		
		Minimum		
		Maximum		
		Range		
		Interquartile Range		
		Skewness		.564
		Kurtosis		1.091

## Descriptives

Type Hints Affects in Readability			Statistic
Agree	Mean		6.11
	95% Confidence Interval for Mean	Lower Bound	4.78
		Upper Bound	7.44
	5% Trimmed Mean		5.89
	Median		5.00
	Variance		25.132
	Std. Deviation		5.013
	Minimum		0
	Maximum		16
	Range		16
	Interquartile Range		9
	Skewness		.701
	Kurtosis		-.686
Strongly Agree	Mean		7.88
	95% Confidence Interval for Mean	Lower Bound	5.65
		Upper Bound	10.11
	5% Trimmed Mean		7.72
	Median		8.00
	Variance		29.110
	Std. Deviation		5.395
	Minimum		1
	Maximum		18
	Range		17
	Interquartile Range		11
	Skewness		.175
	Kurtosis		-1.264

## Descriptives

Type Hints Affects in Readability			Std. Error
Agree	Mean		.664
	95% Confidence Interval for Mean	Lower Bound	
		Upper Bound	
	5% Trimmed Mean		
	Median		
	Variance		
	Std. Deviation		
	Minimum		
	Maximum		
	Range		
	Interquartile Range		
	Skewness		.316
	Kurtosis		.623
Strongly Agree	Mean		1.079
	95% Confidence Interval for Mean	Lower Bound	
		Upper Bound	
	5% Trimmed Mean		
	Median		
	Variance		
	Std. Deviation		
	Minimum		
	Maximum		
	Range		
	Interquartile Range		
	Skewness		.464
	Kurtosis		.902

### Extreme Values<sup>a</sup>

	Type Hints Affects in Readability			Case Number	Value
Grdaes With Type Hints	Strongly Disagree	Highest	1	63	11
			2	24	7
			3	11	6
		Lowest	1	29	0
			2	17	2
			3	12	5
	Disagree	Highest	1	26	18
			2	81	12
			3	6	11
			4	38	11
		Lowest	1	87	2
			2	76	2
			3	83	3
			4	47	3
	Neutral	Highest	1	51	6
			2	89	4
			3	90	4
			4	91	4
			5	100	4 <sup>b</sup>
		Lowest	1	56	0
			2	107	1
			3	84	1
			4	48	1
			5	42	1
	Agree	Highest	1	3	16
			2	4	16
			3	33	16
			4	49	16
			5	5	15 <sup>c</sup>
		Lowest	1	75	0
			2	46	0
			3	45	0
			4	14	0
			5	112	1 <sup>d</sup>
	Strongly Agree	Highest	1	30	18
			2	31	16
			3	80	15
			4	101	14
			5	104	14

### Extreme Values<sup>a</sup>

Type Hints Affects in Readability		Case Number	Value
Lowest	1	68	1
	2	60	1
	3	1	1
	4	92	2
	5	71	2 <sup>e</sup>

- 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 4 are shown in the table of upper extremes.
- c. Only a partial list of cases with the value 15 are shown in the table of upper 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 2 are shown in the table of lower extremes.

### Tests of Normality

	Type Hints Affects in Readability	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-... Statistic
		Statistic	df	Sig.	
Grdaes With Type Hints	Strongly Disagree	.151	6	.200 <sup>*</sup>	.980
	Disagree	.284	8	.056	.845
	Neutral	.245	16	.011	.898
	Agree	.157	57	.001	.893
	Strongly Agree	.177	25	.042	.920

### Tests of Normality

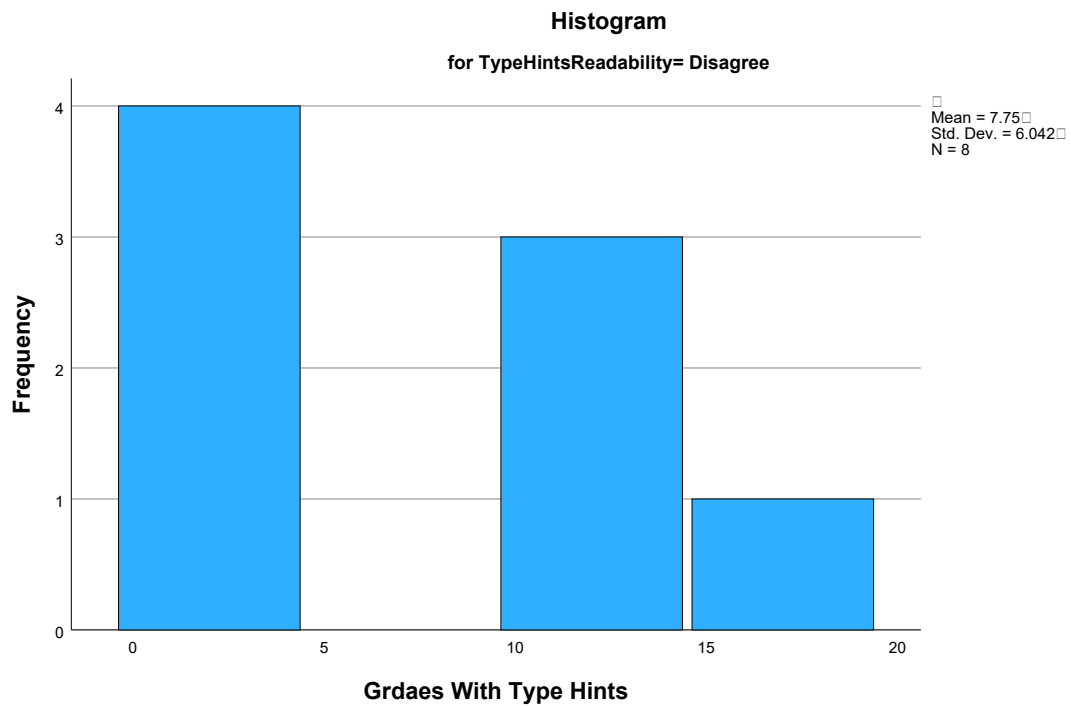
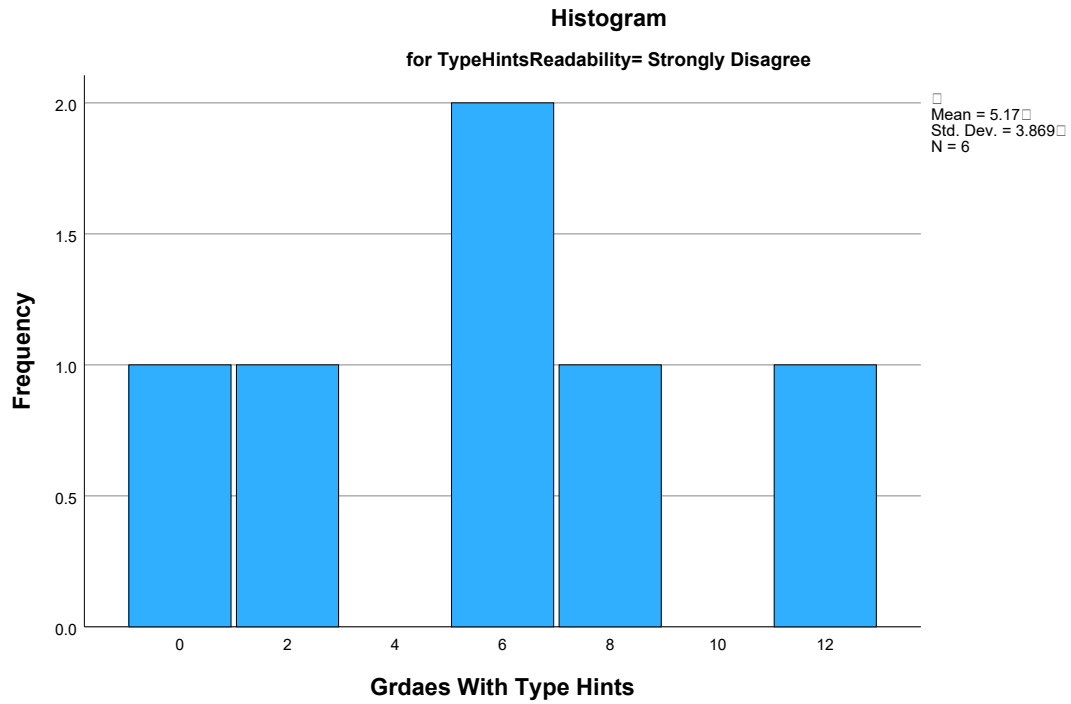
	Type Hints Affects in Readability	Shapiro-Wilk	
		df	Sig.
Grdaes With Type Hints	Strongly Disagree	6	.952
	Disagree	8	.086
	Neutral	16	.075
	Agree	57	<.001
	Strongly Agree	25	.051

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

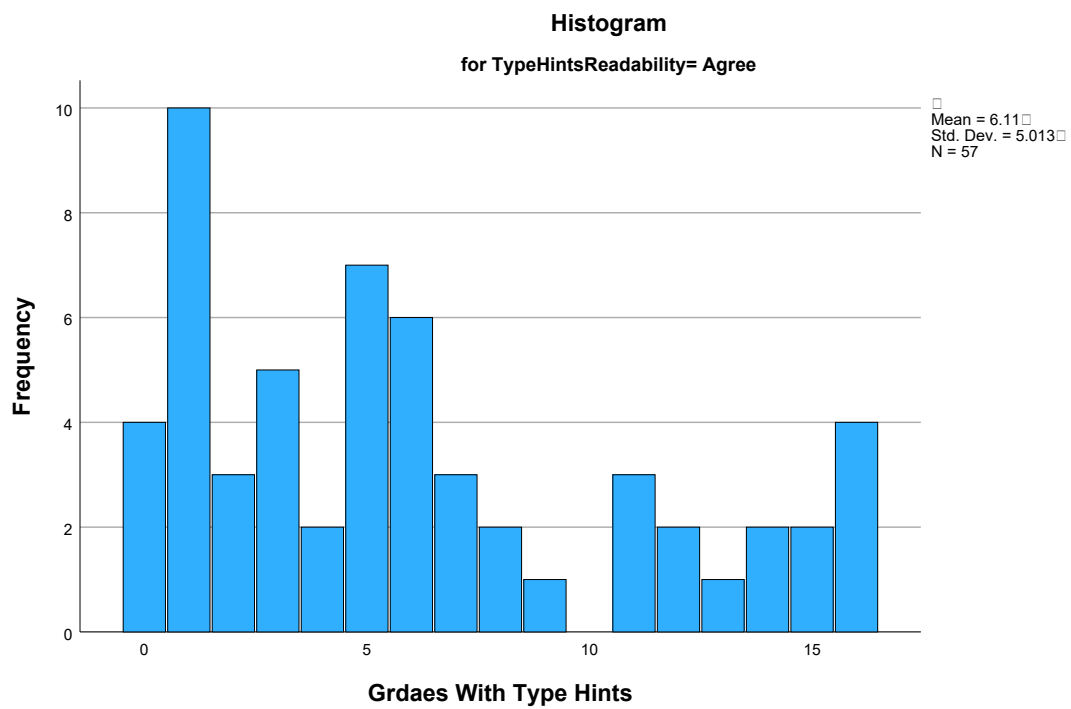
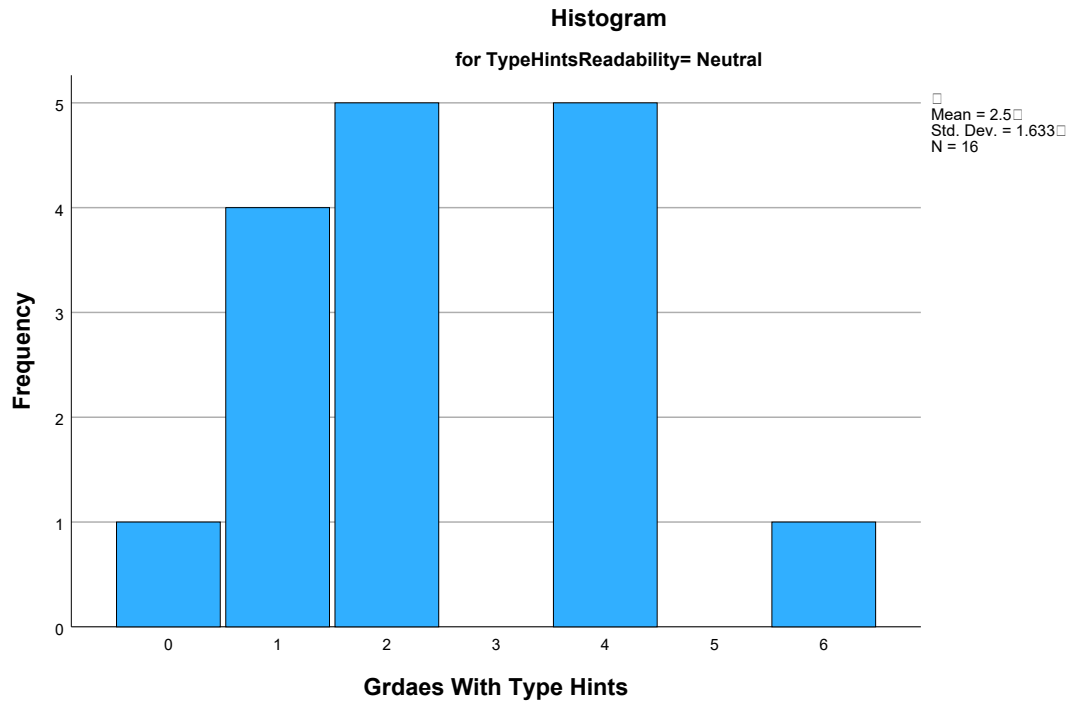
a. Lilliefors Significance Correction

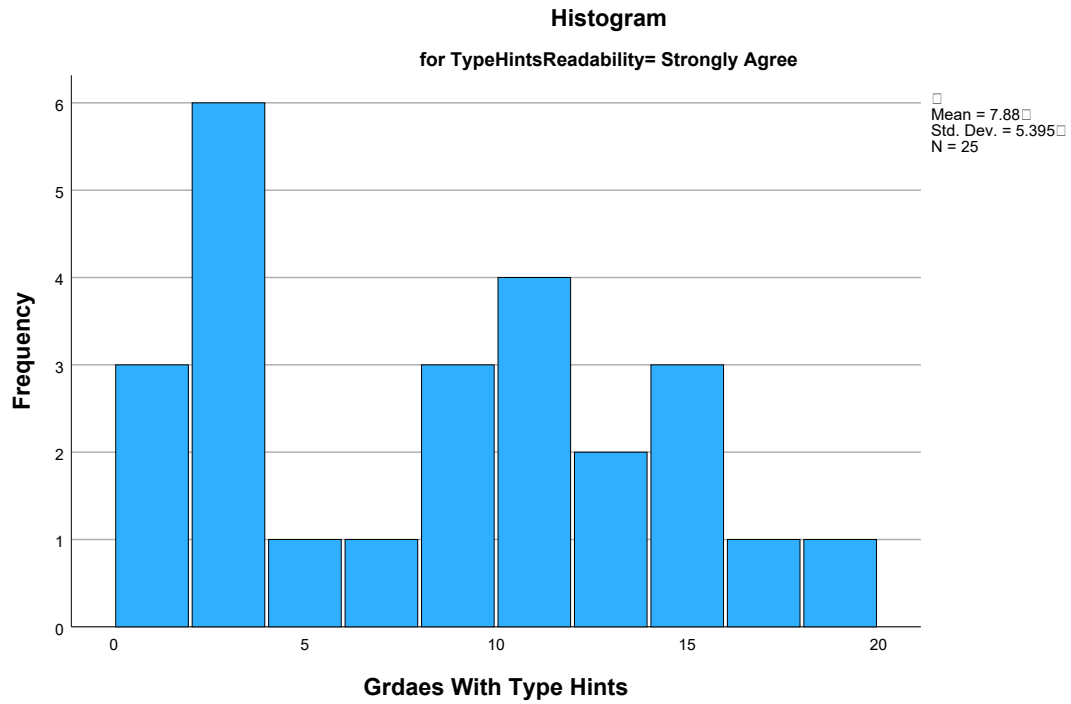
## Grdaes With Type Hints

## Histograms

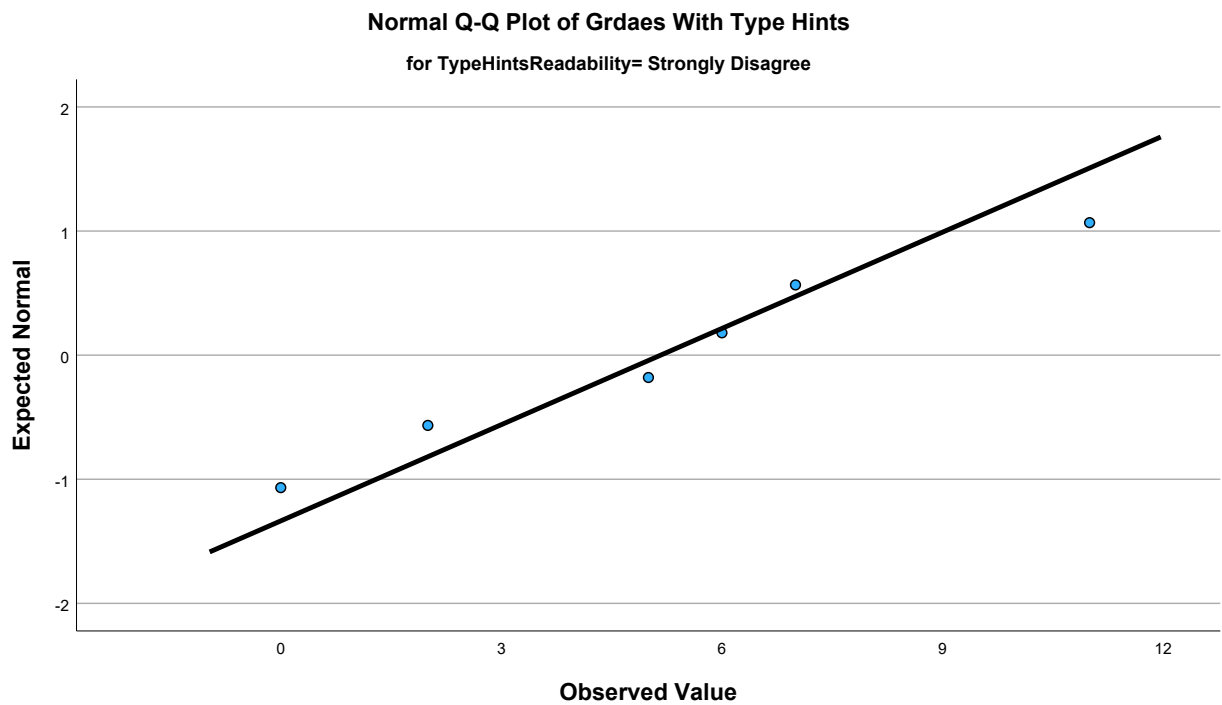


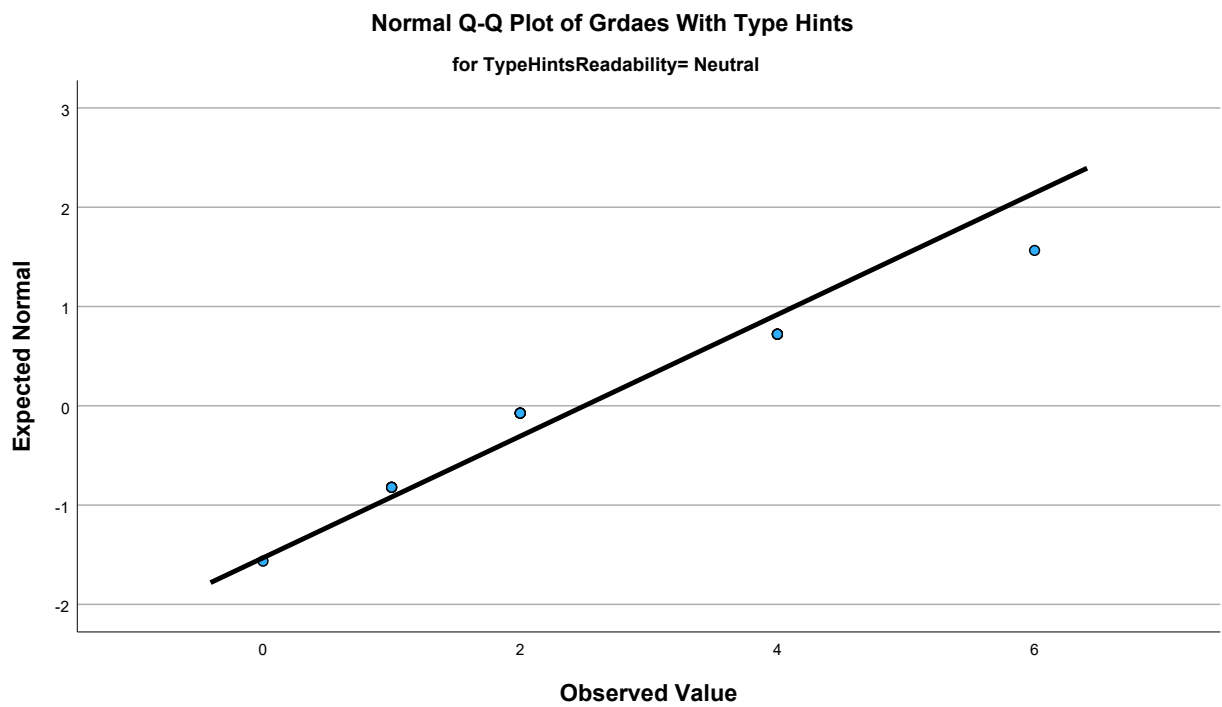
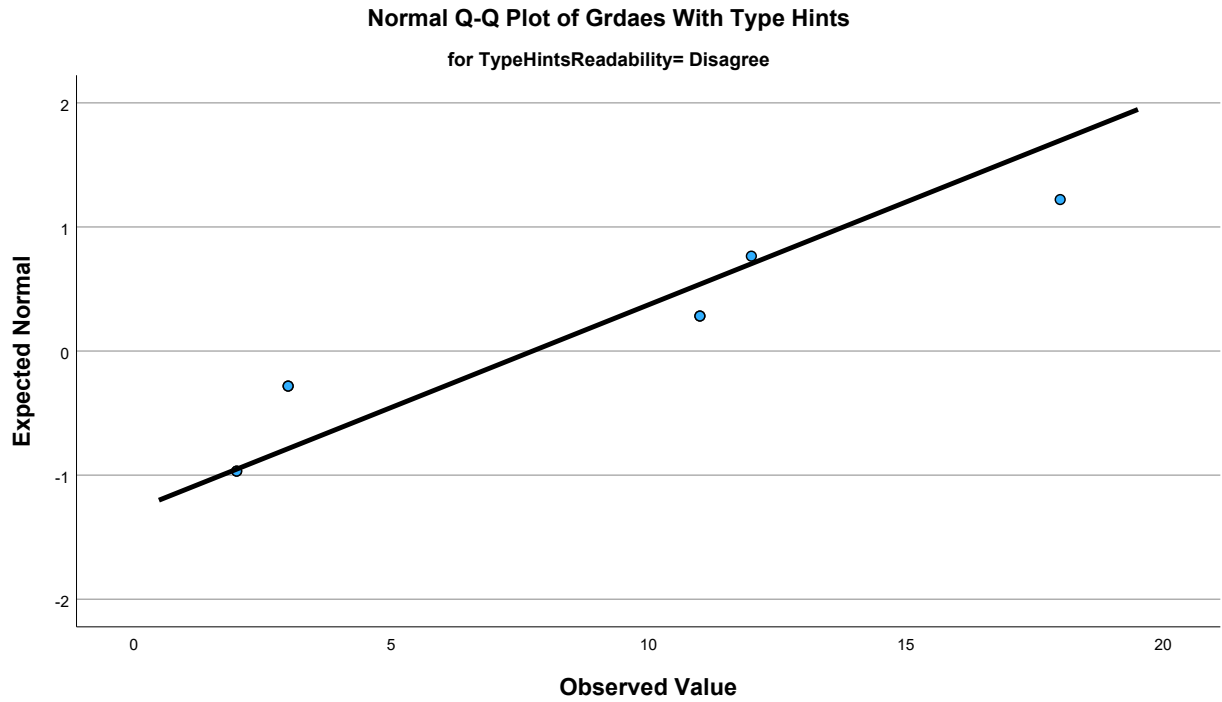


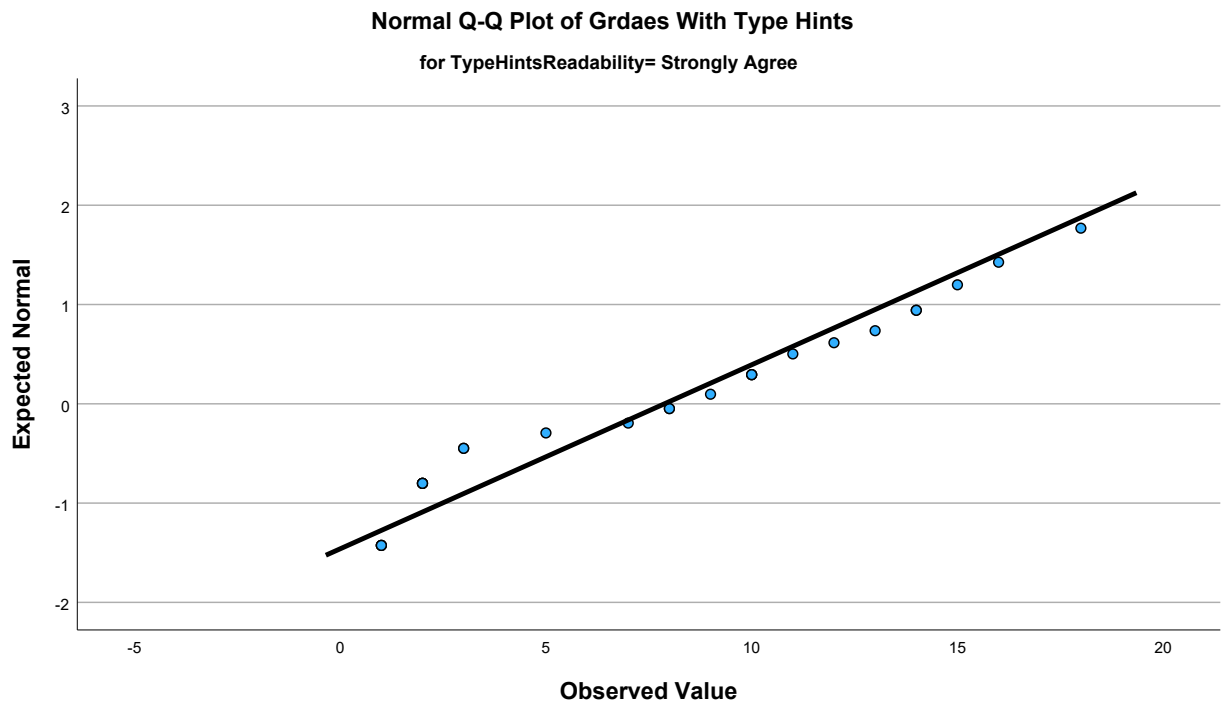
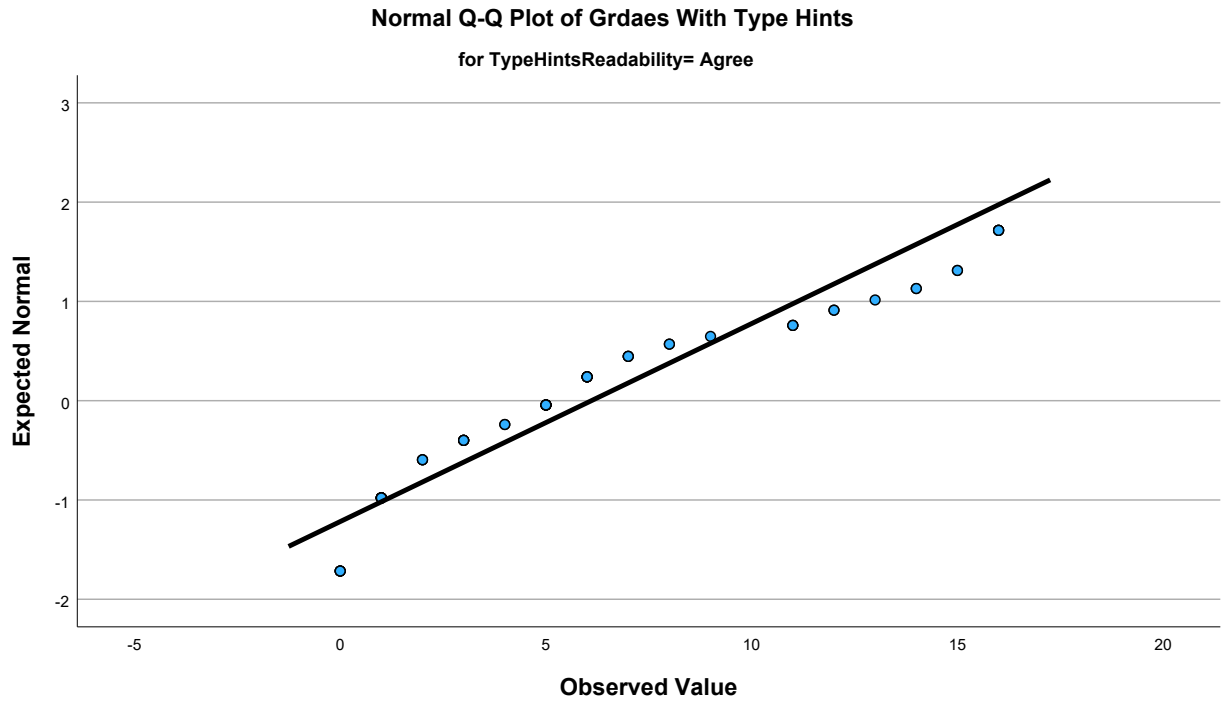




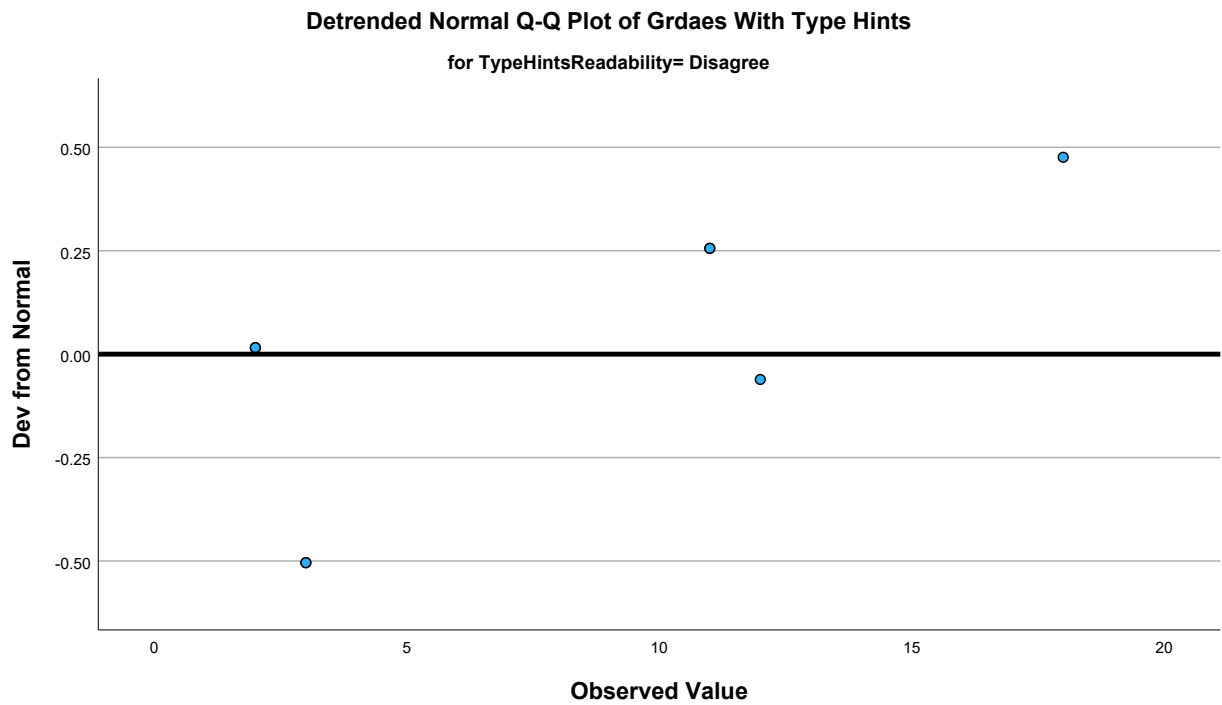
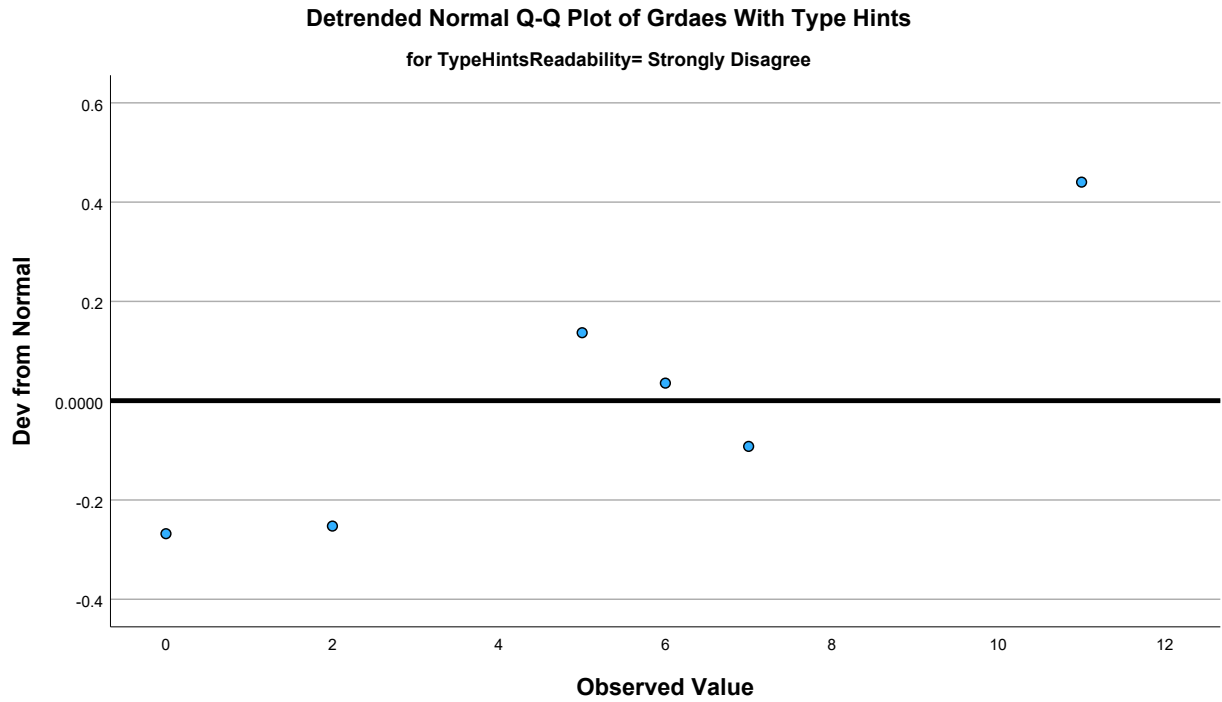
## Normal Q-Q Plots

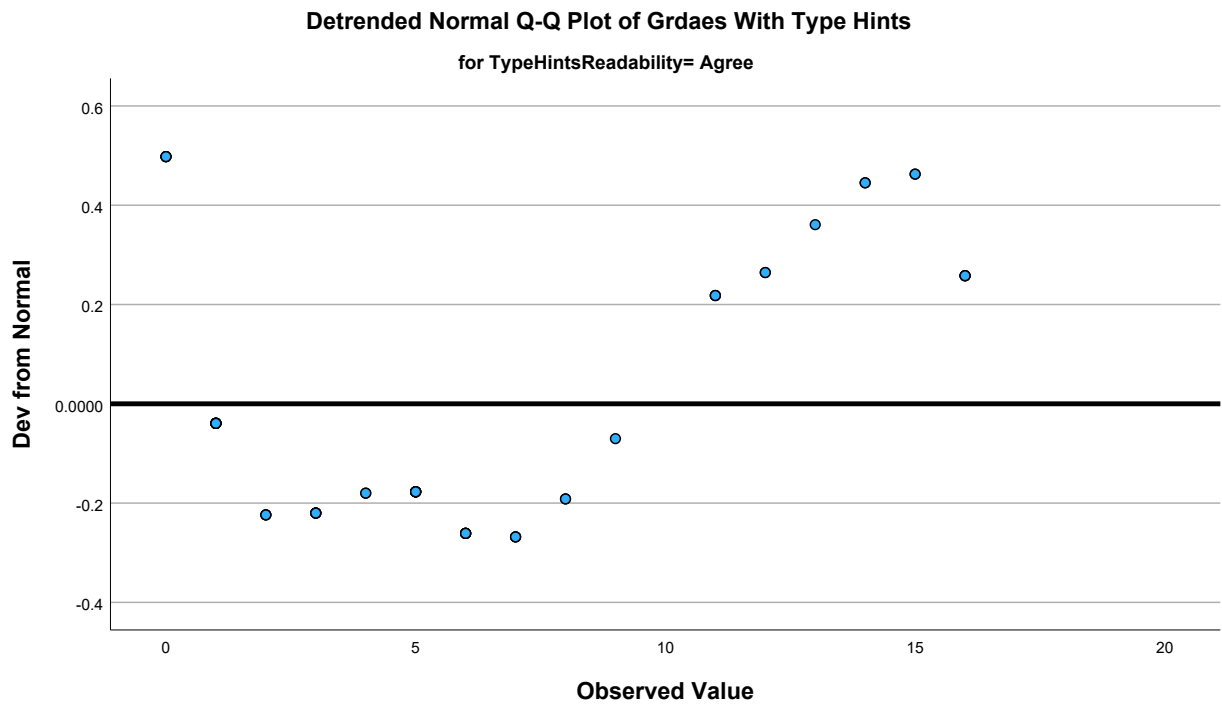
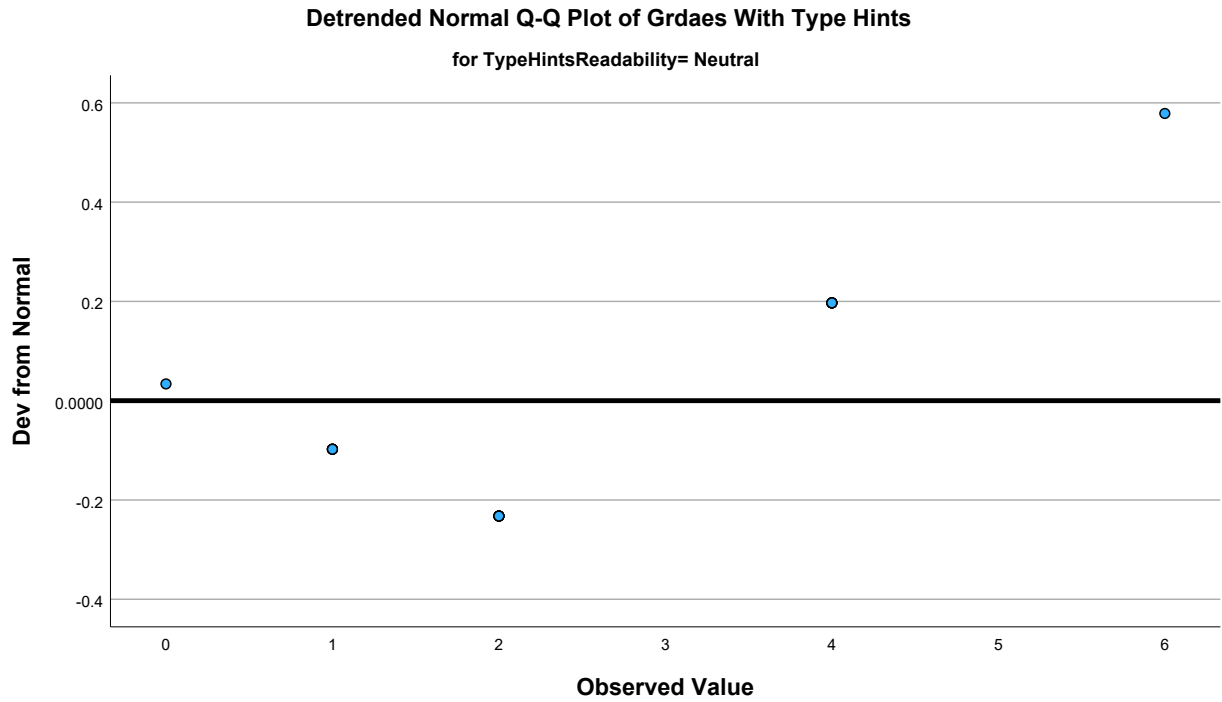


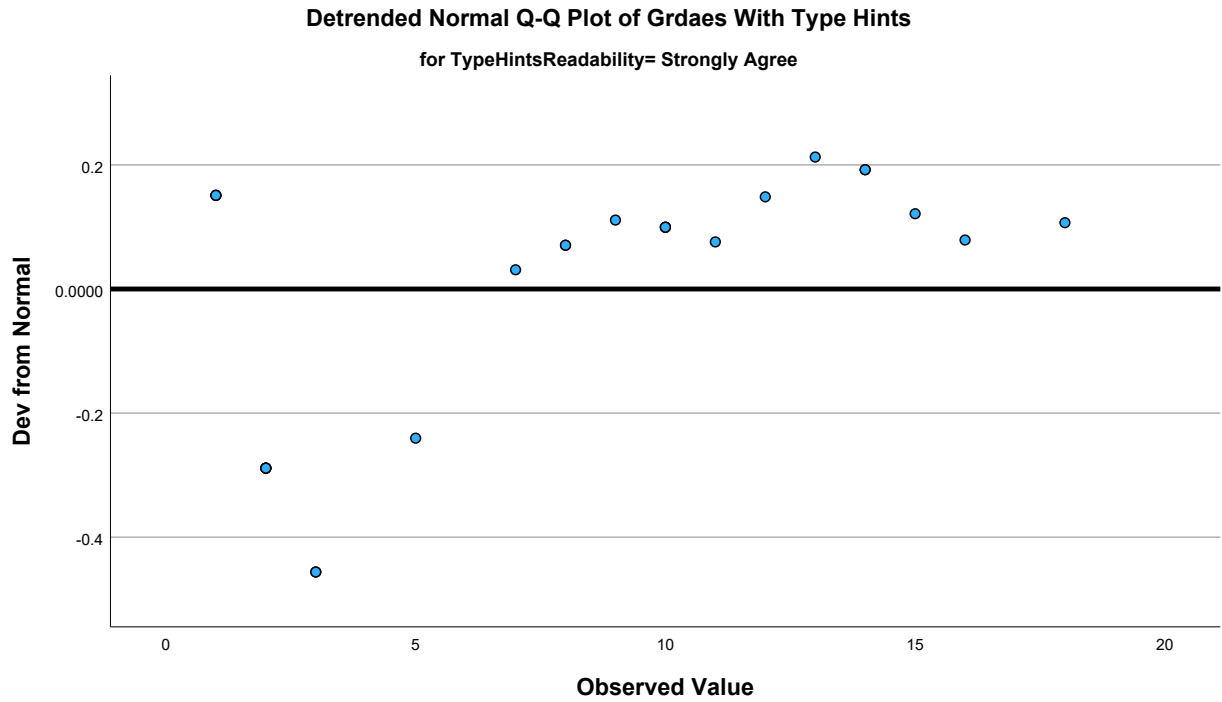




### Detrended Normal Q-Q Plots







### Boxplots

