```
 SORT CASES  BY Gender Education.
SPLIT FILE LAYERED BY Gender Education.
EXAMINE VARIABLES=a b
 /ID=No
 /PLOT BOXPLOT NPPLOT
 /COMPARE GROUPS
 /STATISTICS DESCRIPTIVES
 /CINTERVAL 95
 /MISSING LISTWISE
 /NOTOTAL.
```

Explore

Notes

Output Created		13-SEP-2022 10:59:03
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	Gender, Education
	N of Rows in Working Data File	1026
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=a b /ID=No /PLOT BOXPLOT NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE...
Resources	Processor Time	00:00:14.11
	Elapsed Time	00:00:11.86

Case Processing Summary

			Cases					
			Valid		Missing		Total	
Gender	Education		N	Percent	N	Percent	N	Percent
1	2.2	a	157	100.0%	0	0.0%	157	100.0%
		b	157	100.0%	0	0.0%	157	100.0%
	3.1	a	23	100.0%	0	0.0%	23	100.0%
		b	23	100.0%	0	0.0%	23	100.0%
	3.2	a	113	100.0%	0	0.0%	113	100.0%
		b	113	100.0%	0	0.0%	113	100.0%
	3.3	a	21	100.0%	0	0.0%	21	100.0%
		b	21	100.0%	0	0.0%	21	100.0%
2	2.2	a	186	100.0%	0	0.0%	186	100.0%
		b	186	100.0%	0	0.0%	186	100.0%
	3.1	a	29	100.0%	0	0.0%	29	100.0%
		b	29	100.0%	0	0.0%	29	100.0%
	3.2	a	178	100.0%	0	0.0%	178	100.0%
		b	178	100.0%	0	0.0%	178	100.0%
	3.3	a	56	100.0%	0	0.0%	56	100.0%
		b	56	100.0%	0	0.0%	56	100.0%
3	2.2	a	89	100.0%	0	0.0%	89	100.0%
		b	89	100.0%	0	0.0%	89	100.0%
	3.1	a	3	100.0%	0	0.0%	3	100.0%
		b	3	100.0%	0	0.0%	3	100.0%
	3.2	a	130	100.0%	0	0.0%	130	100.0%
		b	130	100.0%	0	0.0%	130	100.0%
	3.3	a	41	100.0%	0	0.0%	41	100.0%
		b	41	100.0%	0	0.0%	41	100.0%

Descriptives

Gender	Education				Statistic
1	2.2	a	Mean		.4176540764
			95% Confidence Interval for Mean	Lower Bound	.4057007904
				Upper Bound	.4296073625
			5% Trimmed Mean		.4163074890
			Median		.4197060000
			Variance		.006
			Std. Deviation		.0758240226
			Minimum		.2436980000
			Maximum		.6301160000
			Range		.3864180000
			Interquartile Range		.1146100000
			Skewness		.203
			Kurtosis		-.328
		b	Mean		-1.29357070
			95% Confidence Interval for Mean	Lower Bound	-1.33404187
				Upper Bound	-1.25309953
			5% Trimmed Mean		-1.28412799
			Median		-1.27697500
			Variance		.066
			Std. Deviation		.256723284
			Minimum		-2.097476
			Maximum		-.803798
			Range		1.293678
			Interquartile Range		.331949
			Skewness		-.543
			Kurtosis		.445
	3.1	a	Mean		.4327898261
			95% Confidence Interval for Mean	Lower Bound	.4083405139
				Upper Bound	.4572391383
			5% Trimmed Mean		.4326193068
			Median		.4458670000
			Variance		.003
			Std. Deviation		.0565390351
			Minimum		.3261830000
			Maximum		.5481330000
			Range		.2219500000
			Interquartile Range		.0807740000
			Skewness		-.350

Descriptives

Gender	Education				Std. Error
1	2.2	a	Mean		.0060514158
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.194
			Kurtosis		.385
		b	Mean		.020488749
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.194
			Kurtosis		.385
	3.1	a	Mean		.0117892038
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.481

Descriptives

Gender	Education				Statistic
			Kurtosis		-.156
		b	Mean		-1.29746257
			95% Confidence Interval for Mean	Lower Bound	-1.37409620
				Upper Bound	-1.22082893
			5% Trimmed Mean		-1.29760838
			Median		-1.32049500
			Variance		.031
			Std. Deviation		.177215289
			Minimum		-1.603454
			Maximum		-.992872
			Range		.610582
			Interquartile Range		.244548
			Skewness		.160
			Kurtosis		-.637
	3.2	a	Mean		.4085184071
			95% Confidence Interval for Mean	Lower Bound	.3943161525
				Upper Bound	.4227206616
			5% Trimmed Mean		.4078391357
			Median		.4030880000
			Variance		.006
			Std. Deviation		.0761957122
			Minimum		.2401140000
			Maximum		.5636980000
			Range		.3235840000
			Interquartile Range		.1204015000
			Skewness		.196
			Kurtosis		-.850
		b	Mean		-1.25109903
			95% Confidence Interval for Mean	Lower Bound	-1.29740343
				Upper Bound	-1.20479463
			5% Trimmed Mean		-1.24121587
			Median		-1.23412800
			Variance		.062
			Std. Deviation		.248425110
			Minimum		-1.888761
			Maximum		-.790641
			Range		1.098120
			Interquartile Range		.368458

Descriptives

Gender	Education				Std. Error
			Kurtosis		.935
		b	Mean		.036951942
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.481
			Kurtosis		.935
	3.2	a	Mean		.0071678897
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.227
			Kurtosis		.451
		b	Mean		.023369869
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		

Descriptives

Gender	Education				Statistic
			Skewness		-.525
			Kurtosis		-.324
	3.3	a	Mean		.4461948095
			95% Confidence Interval for Mean	Lower Bound	.4036592014
				Upper Bound	.4887304176
			5% Trimmed Mean		.4443736032
			Median		.4354170000
			Variance		.009
			Std. Deviation		.0934448991
			Minimum		.2884500000
			Maximum		.6365160000
			Range		.3480660000
			Interquartile Range		.1454380000
			Skewness		.373
			Kurtosis		-.615
		b	Mean		-1.39482400
			95% Confidence Interval for Mean	Lower Bound	-1.56071225
				Upper Bound	-1.22893575
			5% Trimmed Mean		-1.37219640
			Median		-1.33456300
			Variance		.133
			Std. Deviation		.364433747
			Minimum		-2.245814
			Maximum		-.951968
			Range		1.293846
			Interquartile Range		.396489
			Skewness		-1.126
			Kurtosis		.718
2	2.2	a	Mean		.4067129086
			95% Confidence Interval for Mean	Lower Bound	.3939758451
				Upper Bound	.4194499721
			5% Trimmed Mean		.4005548011
			Median		.3876855000
			Variance		.008
			Std. Deviation		.0880495880
			Minimum		.2562370000
			Maximum		.8423770000
			Range		.5861400000

Descriptives

Gender	Education				Std. Error
			Skewness		.227
			Kurtosis		.451
	3.3	a	Mean		.0203913487
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.501
			Kurtosis		.972
		b	Mean		.079525963
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.501
			Kurtosis		.972
2	2.2	a	Mean		.0064561090
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		

Descriptives

Gender	Education				Statistic
			Interquartile Range		.1056315000
			Skewness		1.303
			Kurtosis		2.865
		b	Mean		-1.28636616
			95% Confidence Interval for Mean	Lower Bound	-1.33890818
				Upper Bound	-1.23382413
			5% Trimmed Mean		-1.24846928
			Median		-1.21109850
			Variance		.132
			Std. Deviation		.363215889
			Minimum		-3.907823
			Maximum		-.836447
			Range		3.071376
			Interquartile Range		.383011
			Skewness		-2.845
			Kurtosis		14.973
	3.1	a	Mean		.3956600345
			95% Confidence Interval for Mean	Lower Bound	.3764724651
				Upper Bound	.4148476039
			5% Trimmed Mean		.3931973180
			Median		.3823720000
			Variance		.003
			Std. Deviation		.0504432060
			Minimum		.3251230000
			Maximum		.5109800000
			Range		.1858570000
			Interquartile Range		.0703950000
			Skewness		.617
			Kurtosis		-.267
		b	Mean		-1.21593462
			95% Confidence Interval for Mean	Lower Bound	-1.28666471
				Upper Bound	-1.14520453
			5% Trimmed Mean		-1.21037892
			Median		-1.23754400
			Variance		.035
			Std. Deviation		.185946038
			Minimum		-1.596988
			Maximum		-.924122

Descriptives

Gender	Education				Std. Error
			Interquartile Range		
			Skewness		.178
			Kurtosis		.355
		b	Mean		.026632281
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.178
			Kurtosis		.355
	3.1	a	Mean		.0093670682
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.434
			Kurtosis		.845
		b	Mean		.034529312
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		

Descriptives

Gender	Education				Statistic
			Range		.672866
			Interquartile Range		.250822
			Skewness		-.384
			Kurtosis		-.460
	3.2	a	Mean		.4072016517
			95% Confidence Interval for Mean	Lower Bound	.3953116054
				Upper Bound	.4190916979
			5% Trimmed Mean		.4037170150
			Median		.4053915000
			Variance		.006
			Std. Deviation		.0803833002
			Minimum		.2556640000
			Maximum		.6857310000
			Range		.4300670000
			Interquartile Range		.1198717500
			Skewness		.546
			Kurtosis		.123
		b	Mean		-1.26306834
			95% Confidence Interval for Mean	Lower Bound	-1.30502838
				Upper Bound	-1.22110829
			5% Trimmed Mean		-1.24607870
			Median		-1.22259250
			Variance		.080
			Std. Deviation		.283673166
			Minimum		-2.190772
			Maximum		-.760700
			Range		1.430072
			Interquartile Range		.353182
			Skewness		-.823
			Kurtosis		.607
	3.3	a	Mean		.4131475179
			95% Confidence Interval for Mean	Lower Bound	.3917252070
				Upper Bound	.4345698287
			5% Trimmed Mean		.4091962857
			Median		.4061855000
			Variance		.006
			Std. Deviation		.0799931700
			Minimum		.2857930000

Descriptives

Gender	Education				Std. Error
			Range		
			Interquartile Range		
			Skewness		.434
			Kurtosis		.845
	3.2	a	Mean		.0060249831
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.182
			Kurtosis		.362
		b	Mean		.021262203
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.182
			Kurtosis		.362
	3.3	a	Mean		.0106895370
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		

Descriptives

Gender	Education				Statistic
			Maximum		.6389350000
			Range		.3531420000
			Interquartile Range		.1147027500
			Skewness		.629
			Kurtosis		.126
		b	Mean		-1.28393293
			95% Confidence Interval for Mean	Lower Bound	-1.36069818
				Upper Bound	-1.20716768
			5% Trimmed Mean		-1.26590099
			Median		-1.27363650
			Variance		.082
			Std. Deviation		.286649548
			Minimum		-2.371998
			Maximum		-.862646
			Range		1.509352
			Interquartile Range		.378636
			Skewness		-1.134
			Kurtosis		2.462
3	2.2	a	Mean		.4090102135
			95% Confidence Interval for Mean	Lower Bound	.3924888746
				Upper Bound	.4255315524
			5% Trimmed Mean		.4064606979
			Median		.4047060000
			Variance		.006
			Std. Deviation		.0784294240
			Minimum		.2652800000
			Maximum		.6134180000
			Range		.3481380000
			Interquartile Range		.1204425000
			Skewness		.342
			Kurtosis		-.489
		b	Mean		-1.24988516
			95% Confidence Interval for Mean	Lower Bound	-1.30959569
				Upper Bound	-1.19017462
			5% Trimmed Mean		-1.23341700
			Median		-1.20650200
			Variance		.080
			Std. Deviation		.283455398

Descriptives

Gender	Education				Std. Error
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.319
			Kurtosis		.628
		b	Mean		.038305157
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.319
			Kurtosis		.628
3	2.2	a	Mean		.0083135023
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.255
			Kurtosis		.506
		b	Mean		.030046212
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		

Descriptives

Gender	Education				Statistic
			Minimum		-2.013154
			Maximum		-.801855
			Range		1.211299
			Interquartile Range		.416730
			Skewness		-.714
			Kurtosis		-.013
	3.1	a	Mean		.3708310000
			95% Confidence Interval for Mean	Lower Bound	.1779231192
				Upper Bound	.5637388808
			5% Trimmed Mean		.
			Median		.3421350000
			Variance		.006
			Std. Deviation		.0776558723
			Minimum		.3116070000
			Maximum		.4587510000
			Range		.1471440000
			Interquartile Range		.
			Skewness		1.436
			Kurtosis		.
		b	Mean		-1.12569067
			95% Confidence Interval for Mean	Lower Bound	-1.63837506
				Upper Bound	-.61300627
			5% Trimmed Mean		.
			Median		-1.09666300
			Variance		.043
			Std. Deviation		.206383242
			Minimum		-1.345051
			Maximum		-.935358
			Range		.409693
			Interquartile Range		.
			Skewness		-.620
			Kurtosis		.
	3.2	a	Mean		.3992061000
			95% Confidence Interval for Mean	Lower Bound	.3850377378
				Upper Bound	.4133744622
			5% Trimmed Mean		.3941710983
			Median		.3854755000
			Variance		.007

Descriptives

Gender	Education				Std. Error
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.255
			Kurtosis		.506
	3.1	a	Mean		.0448346388
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		1.225
			Kurtosis		.
		b	Mean		.119155420
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		1.225
			Kurtosis		.
	3.2	a	Mean		.0071610750
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		

Descriptives

Gender	Education				Statistic
			Std. Deviation		.0816488171
			Minimum		.2556760000
			Maximum		.6855850000
			Range		.4299090000
			Interquartile Range		.1077035000
			Skewness		.955
			Kurtosis		1.194
		b	Mean		-1.23218482
			95% Confidence Interval for Mean	Lower Bound	-1.29106181
				Upper Bound	-1.17330783
			5% Trimmed Mean		-1.19047224
			Median		-1.16194150
			Variance		.115
			Std. Deviation		.339293728
			Minimum		-2.909348
			Maximum		-.695181
			Range		2.214167
			Interquartile Range		.329633
			Skewness		-2.304
			Kurtosis		7.299
	3.3	a	Mean		.4014397073
			95% Confidence Interval for Mean	Lower Bound	.3755228624
				Upper Bound	.4273565522
			5% Trimmed Mean		.3970482236
			Median		.3840400000
			Variance		.007
			Std. Deviation		.0821091478
			Minimum		.2828770000
			Maximum		.6353110000
			Range		.3524340000
			Interquartile Range		.1361810000
			Skewness		.821
			Kurtosis		.191
		b	Mean		-1.23797663
			95% Confidence Interval for Mean	Lower Bound	-1.32582442
				Upper Bound	-1.15012884
			5% Trimmed Mean		-1.21837824
			Median		-1.16125600

Descriptives

Gender	Education				Std. Error
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.212
			Kurtosis		.422
		b	Mean		.029758029
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.212
			Kurtosis		.422
	3.3	a	Mean		.0128232945
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		
			Variance		
			Std. Deviation		
			Minimum		
			Maximum		
			Range		
			Interquartile Range		
			Skewness		.369
			Kurtosis		.724
		b	Mean		.043465865
			95% Confidence Interval for Mean	Lower Bound	
				Upper Bound	
			5% Trimmed Mean		
			Median		

Descriptives

Gender	Education		Statistic
		Variance	.077
		Std. Deviation	.278317333
		Minimum	-2.118123
		Maximum	-.902984
		Range	1.215139
		Interquartile Range	.410459
		Skewness	-1.041
		Kurtosis	1.043

Descriptives

Gender	Education		Std. Error
		Variance	
		Std. Deviation	
		Minimum	
		Maximum	
		Range	
		Interquartile Range	
		Skewness	.369
		Kurtosis	.724

Tests of Normality

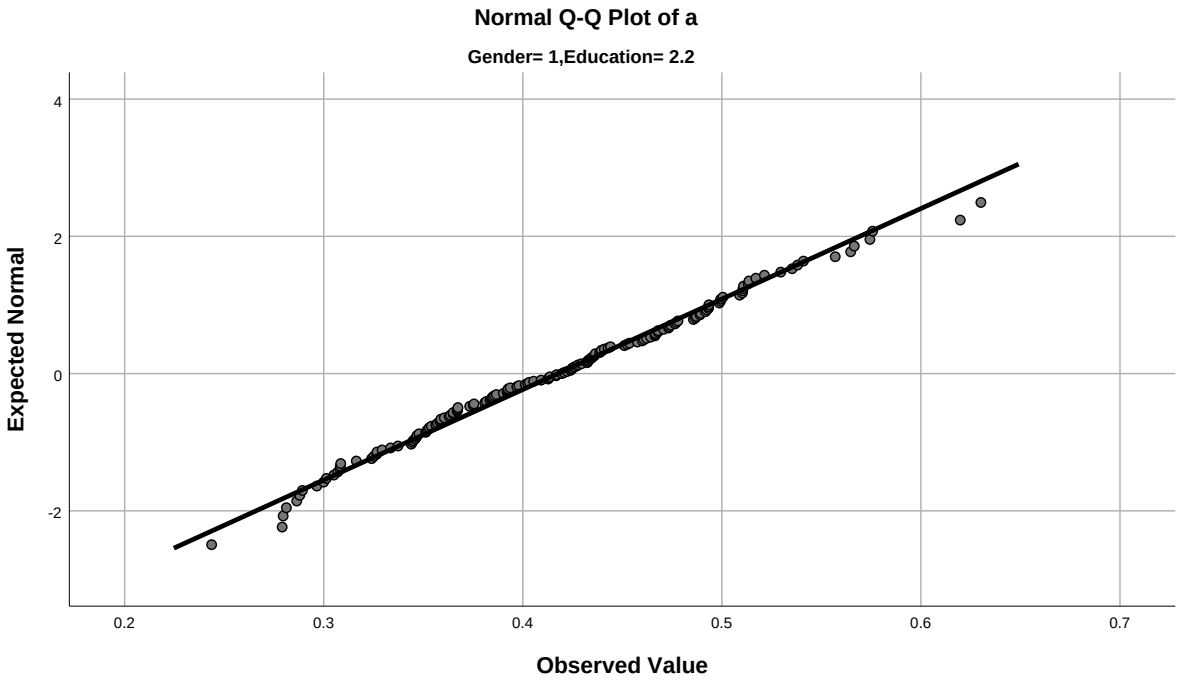
Gender	Education		Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
1	2.2	a	.058	157	.200*	.991	157	.382
		b	.045	157	.200*	.978	157	.014
	3.1	a	.179	23	.053	.946	23	.243
		b	.104	23	.200*	.957	23	.404
	3.2	a	.086	113	.040	.975	113	.032
		b	.092	113	.019	.966	113	.005
	3.3	a	.151	21	.200*	.968	21	.698
		b	.155	21	.200*	.890	21	.022
2	2.2	a	.092	186	.001	.918	186	.000
		b	.131	186	.000	.790	186	.000
	3.1	a	.121	29	.200*	.945	29	.136
		b	.095	29	.200*	.953	29	.218
	3.2	a	.068	178	.043	.972	178	.001
		b	.074	178	.019	.954	178	.000
	3.3	a	.087	56	.200*	.963	56	.086
		b	.076	56	.200*	.933	56	.004
3	2.2	a	.076	89	.200*	.974	89	.077
		b	.090	89	.071	.948	89	.001
	3.1	a	.311	3	.	.898	3	.378
		b	.223	3	.	.985	3	.767
	3.2	a	.079	130	.043	.946	130	.000
		b	.149	130	.000	.797	130	.000
	3.3	a	.129	41	.083	.933	41	.018
		b	.133	41	.067	.915	41	.005

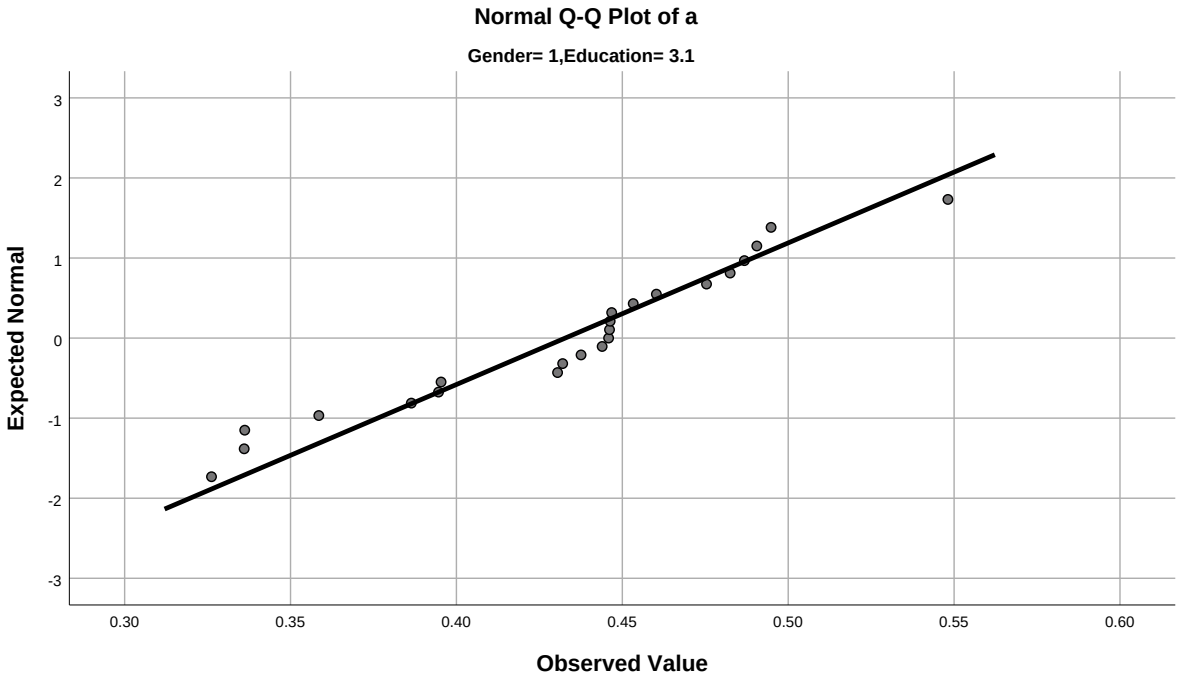
*. This is a lower bound of the true significance.

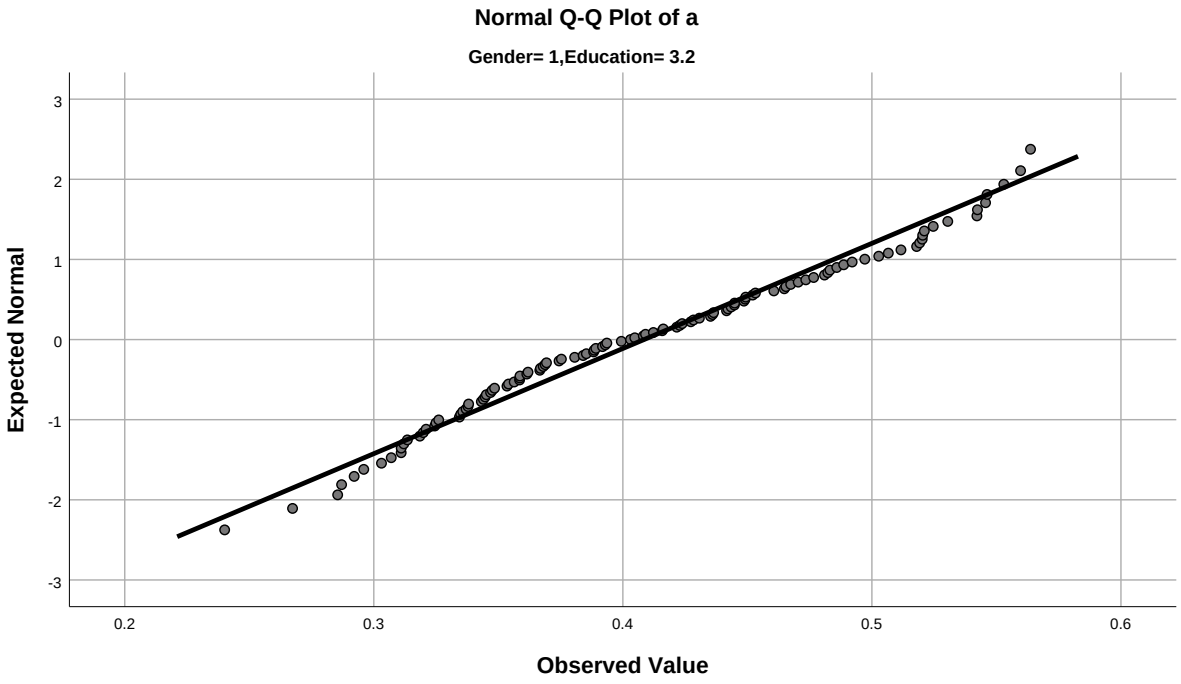
a. Lilliefors Significance Correction

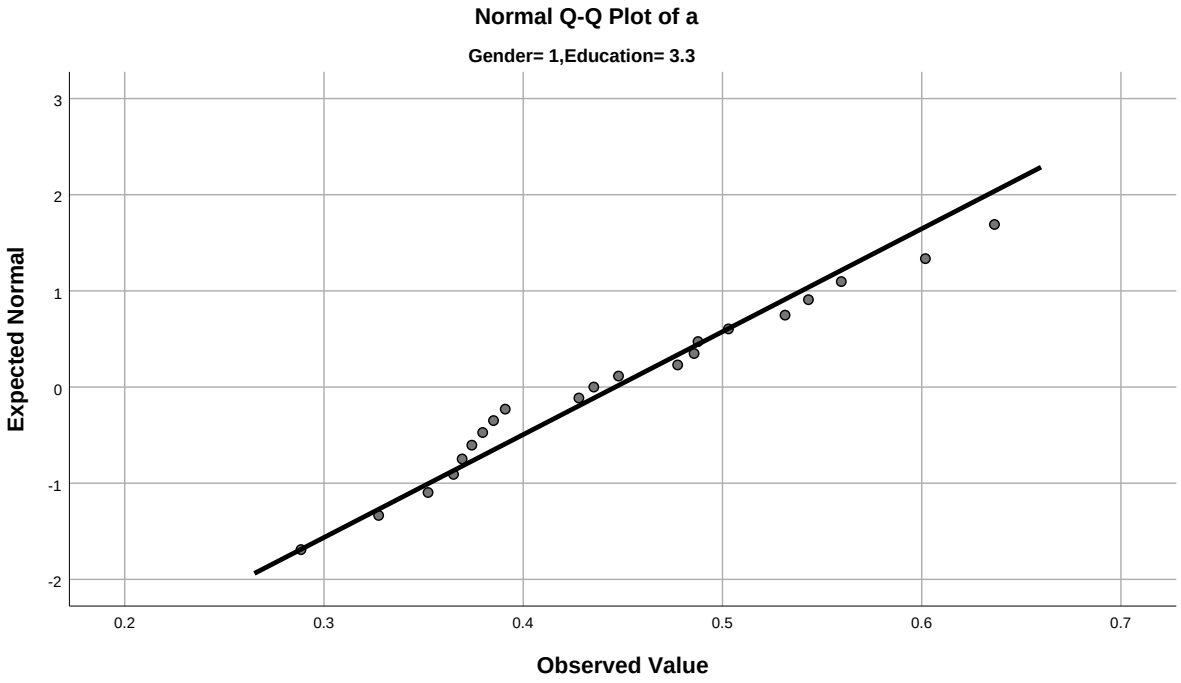
a

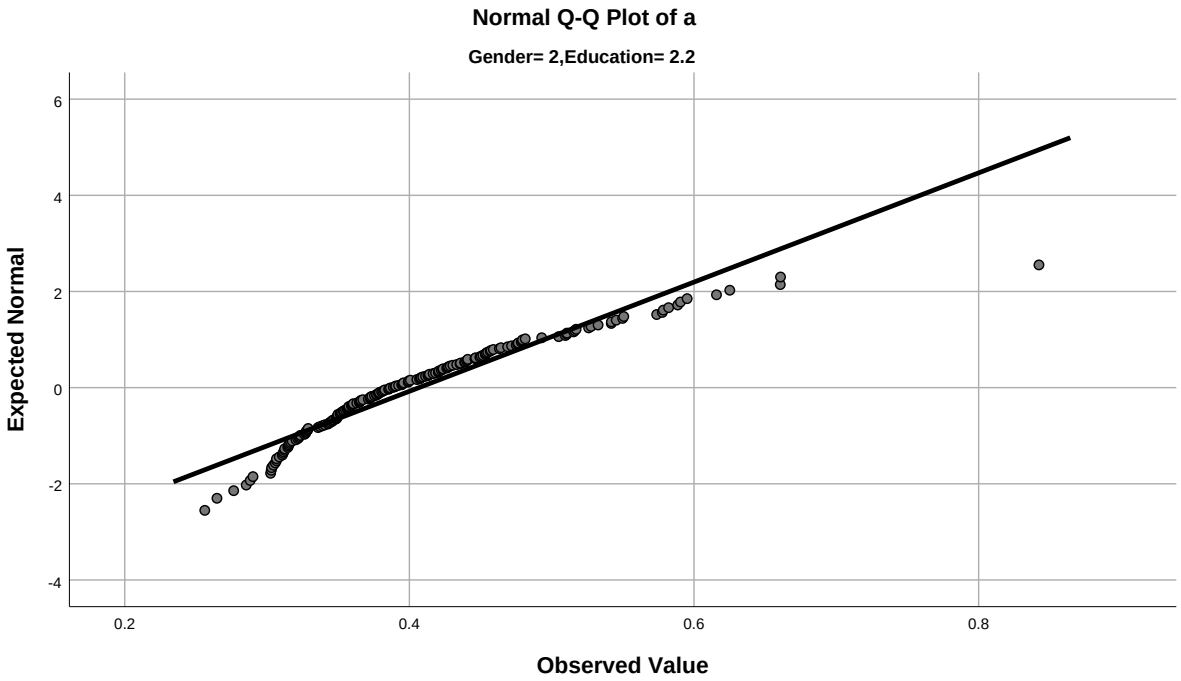
Normal Q-Q Plots

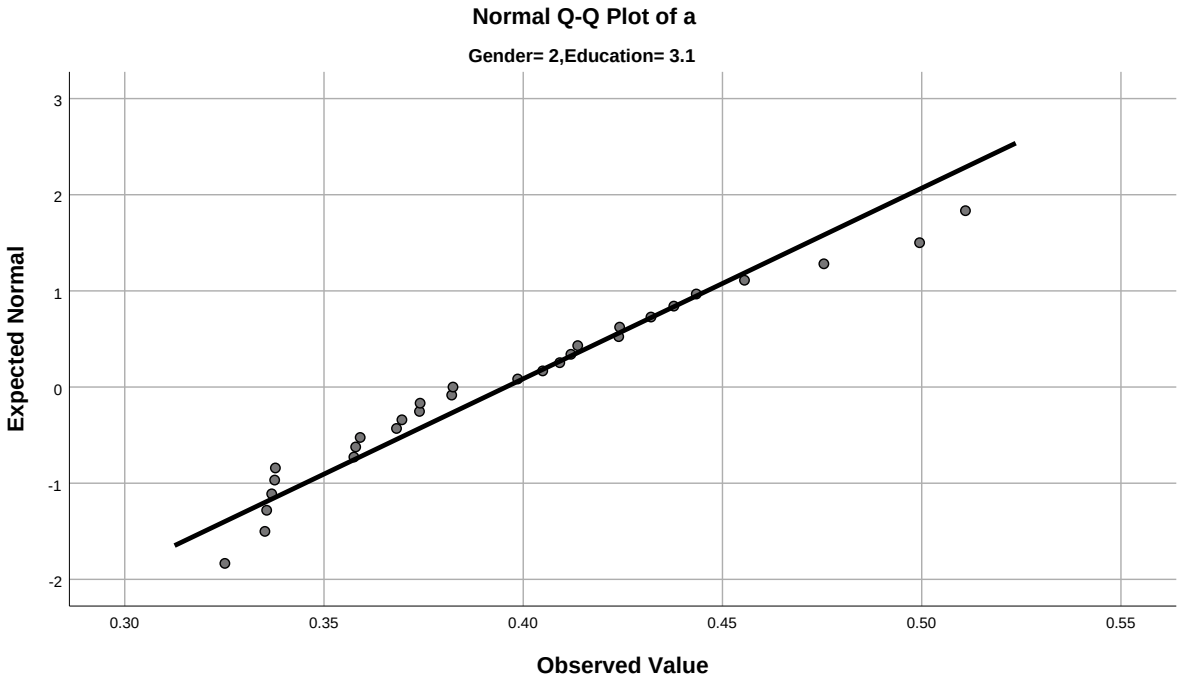

Normal Q-Q Plot of a
Gender= 1,Education= 2.2
Expected Normal
4
2
0
-2
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value

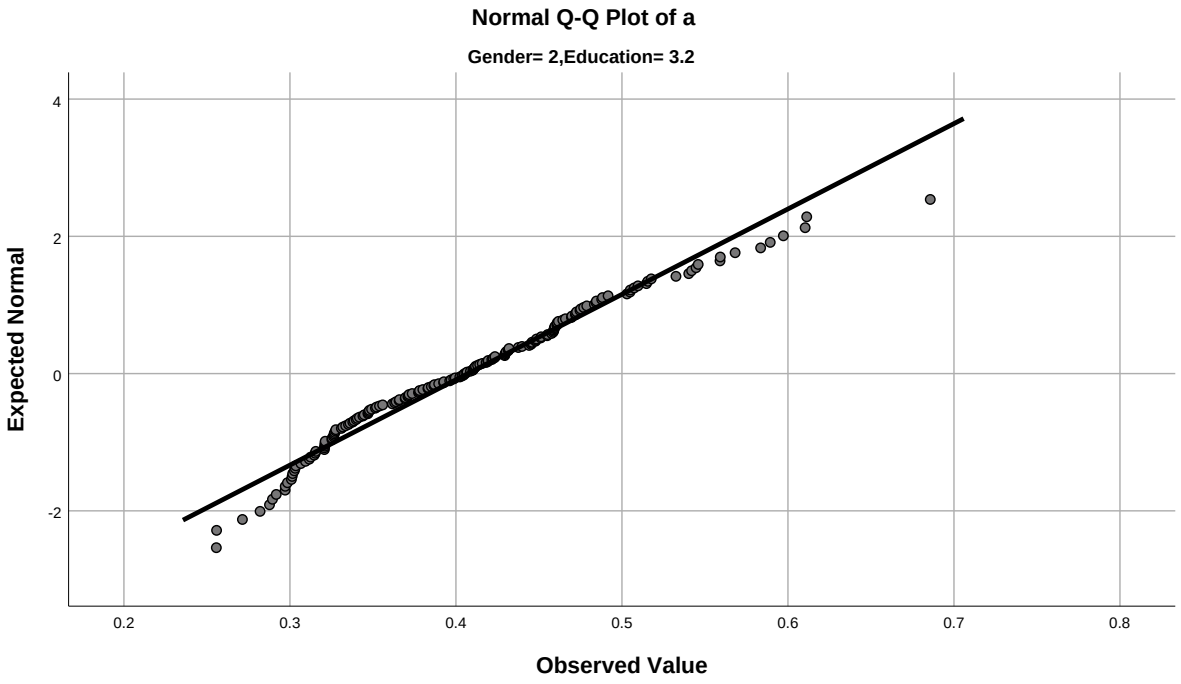

Normal Q-Q Plot of a
Gender= 1,Education= 3.1
Expected Normal
3
2
1
0
-1
-2
-3
0.30
0.35
0.40
0.45
0.50
0.55
0.60
Observed Value

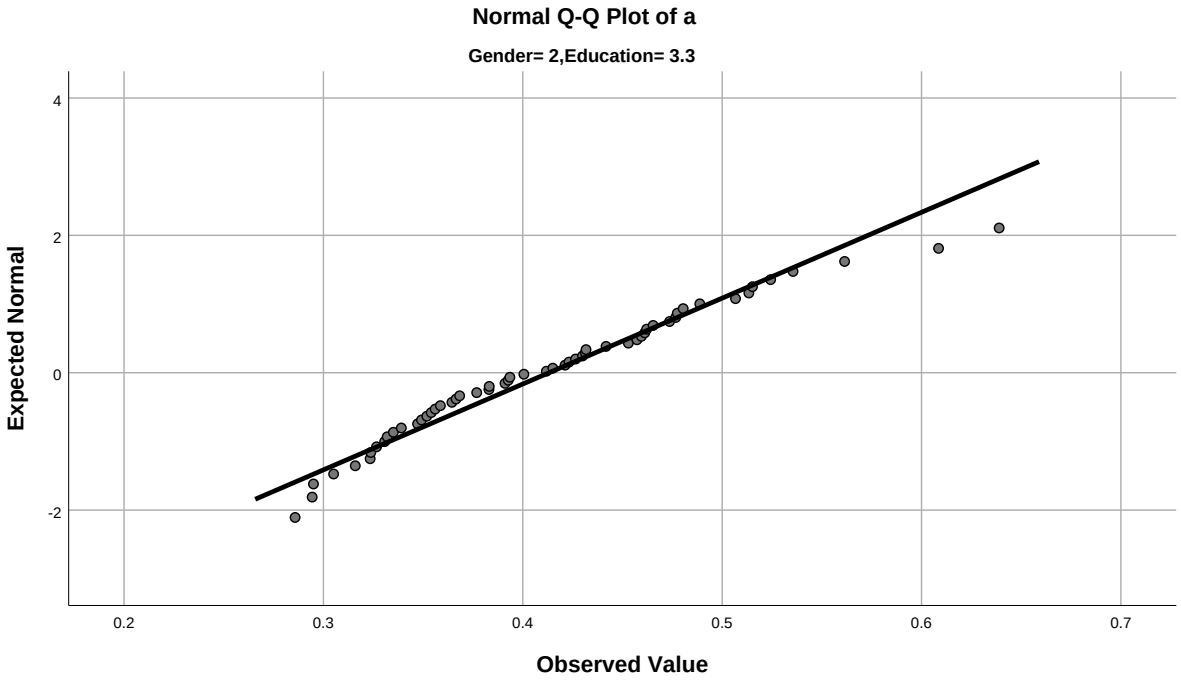

Normal Q-Q Plot of a
Gender= 1,Education= 3.2
Expected Normal
3
2
1
0
-1
-2
-3
0.2
0.3
0.4
0.5
0.6
Observed Value

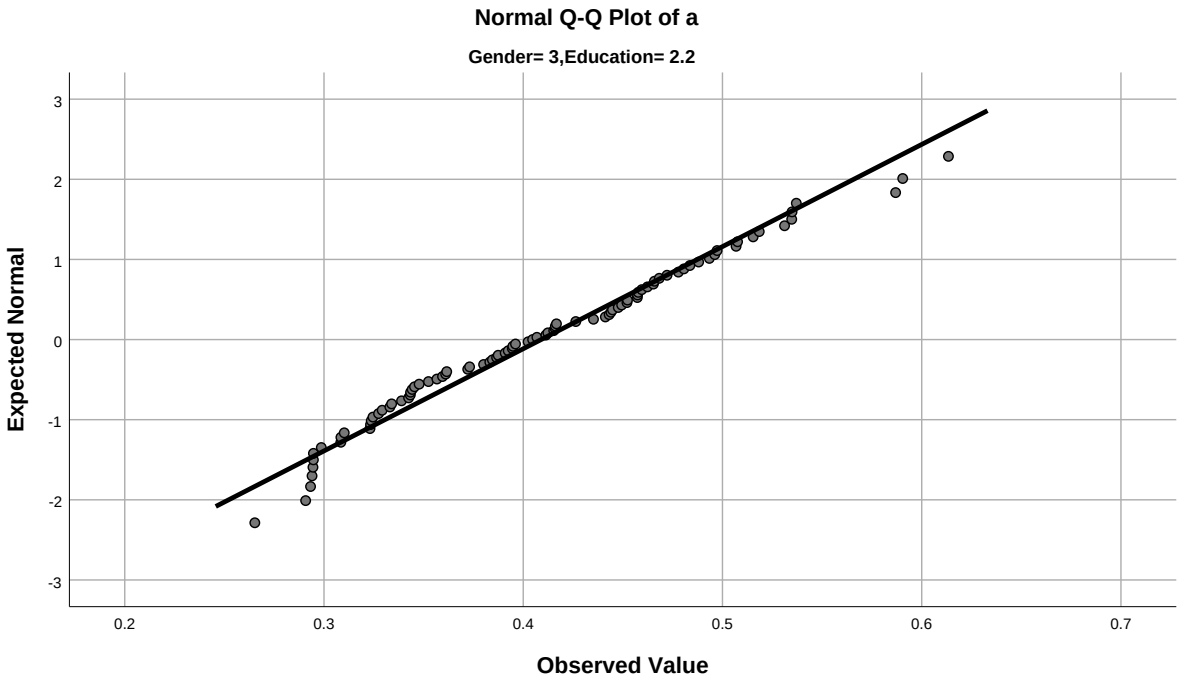

Normal Q-Q Plot of a
Gender= 1,Education= 3.3
Expected Normal
3
2
1
0
-1
-2
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value

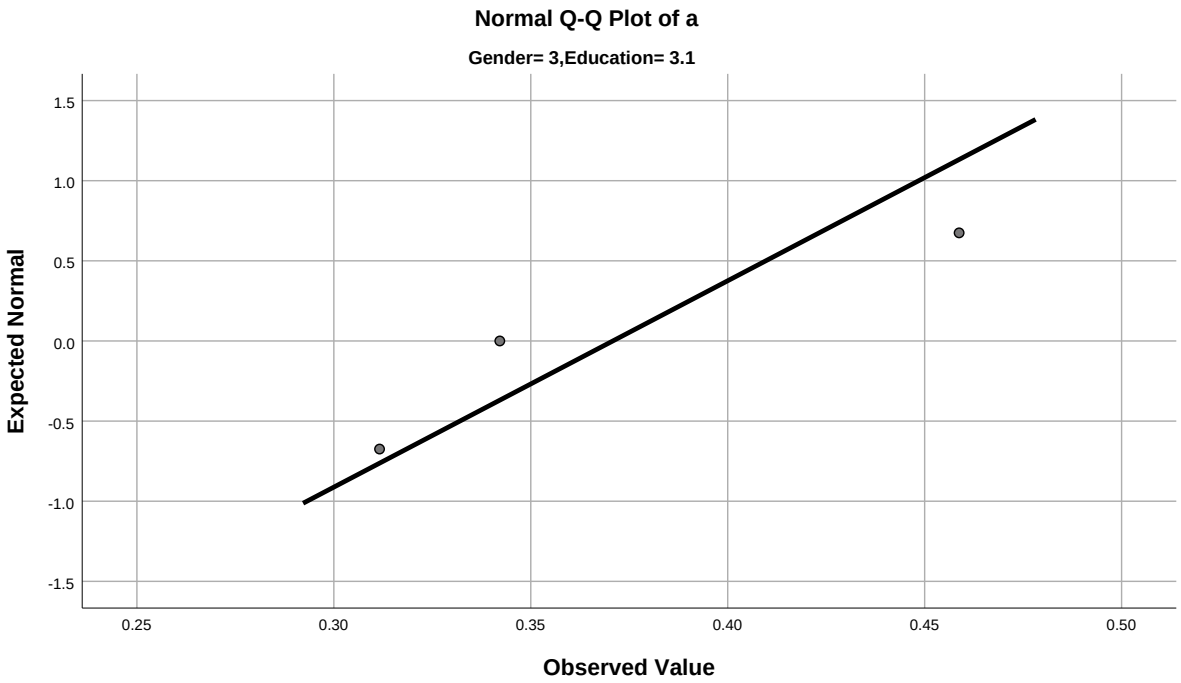

Normal Q-Q Plot of a
Gender= 2,Education= 2.2
Expected Normal
6
4
2
0
-2
-4
0.2
0.4
0.6
0.8
Observed Value

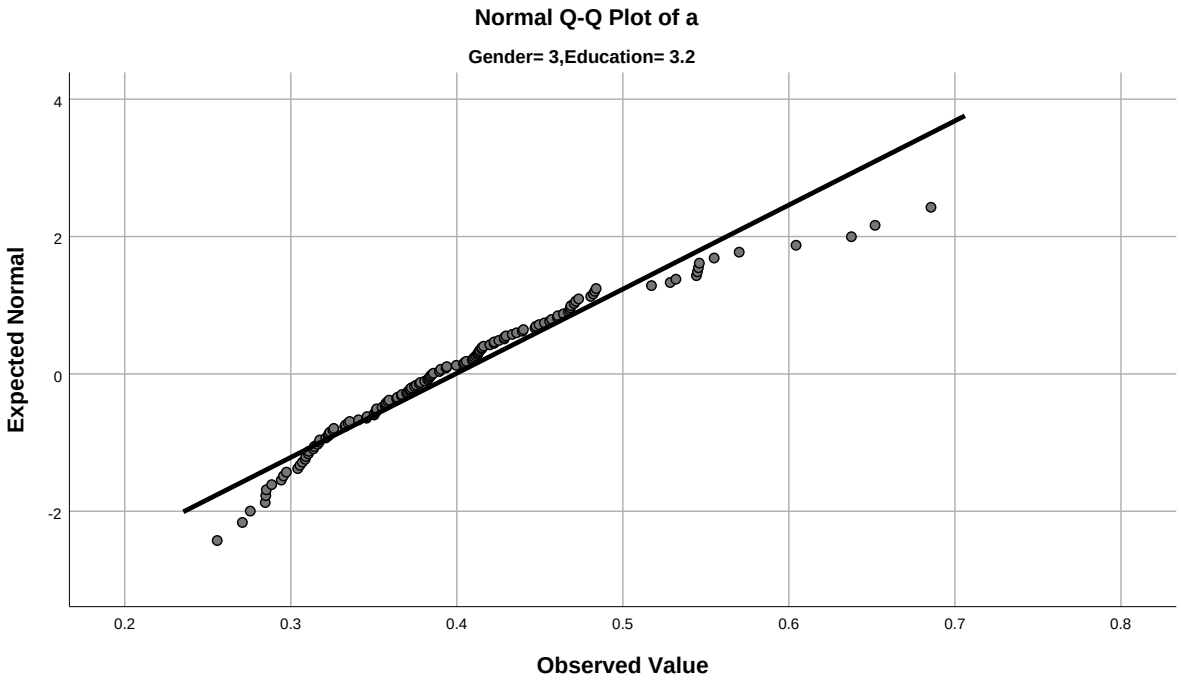

Normal Q-Q Plot of a
Gender= 2,Education= 3.1
Expected Normal
3
2
1
0
-1
-2
0.30
0.35
0.40
0.45
0.50
0.55
Observed Value

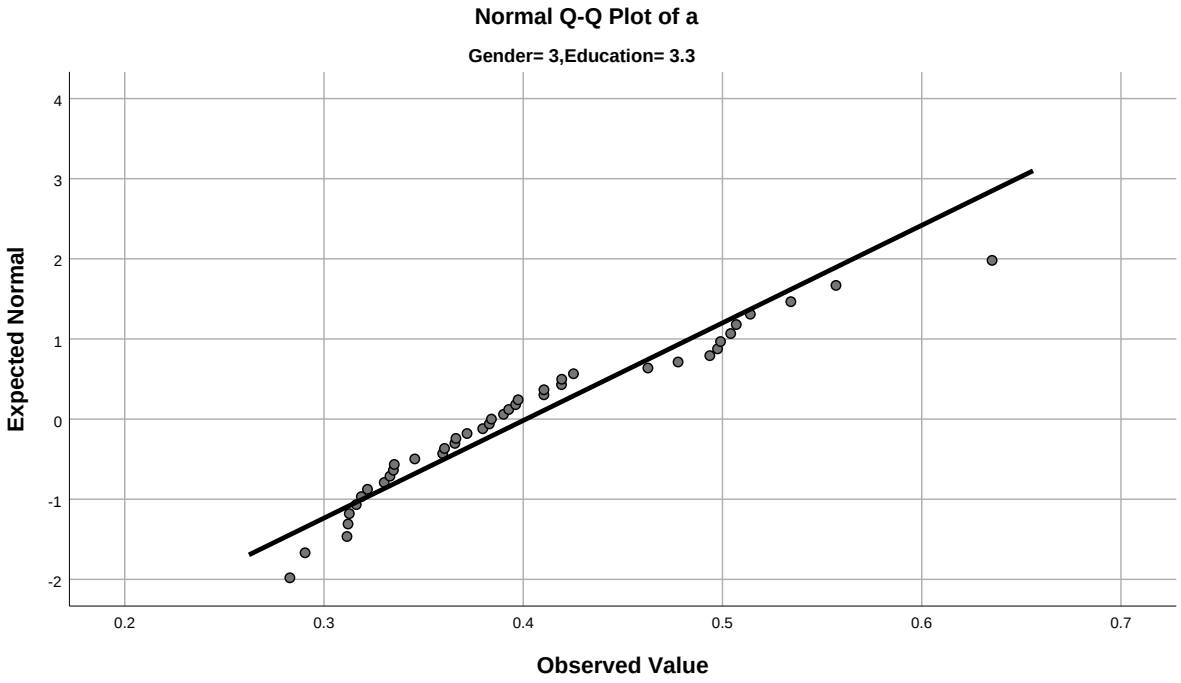

Normal Q-Q Plot of a
Gender= 2,Education= 3.2
Expected Normal
Observed Value
4
2
0
-2
0.2
0.3
0.4
0.5
0.6
0.7
0.8


Normal Q-Q Plot of a
Gender= 2,Education= 3.3
Expected Normal
Observed Value
4
2
0
-2
0.2
0.3
0.4
0.5
0.6
0.7

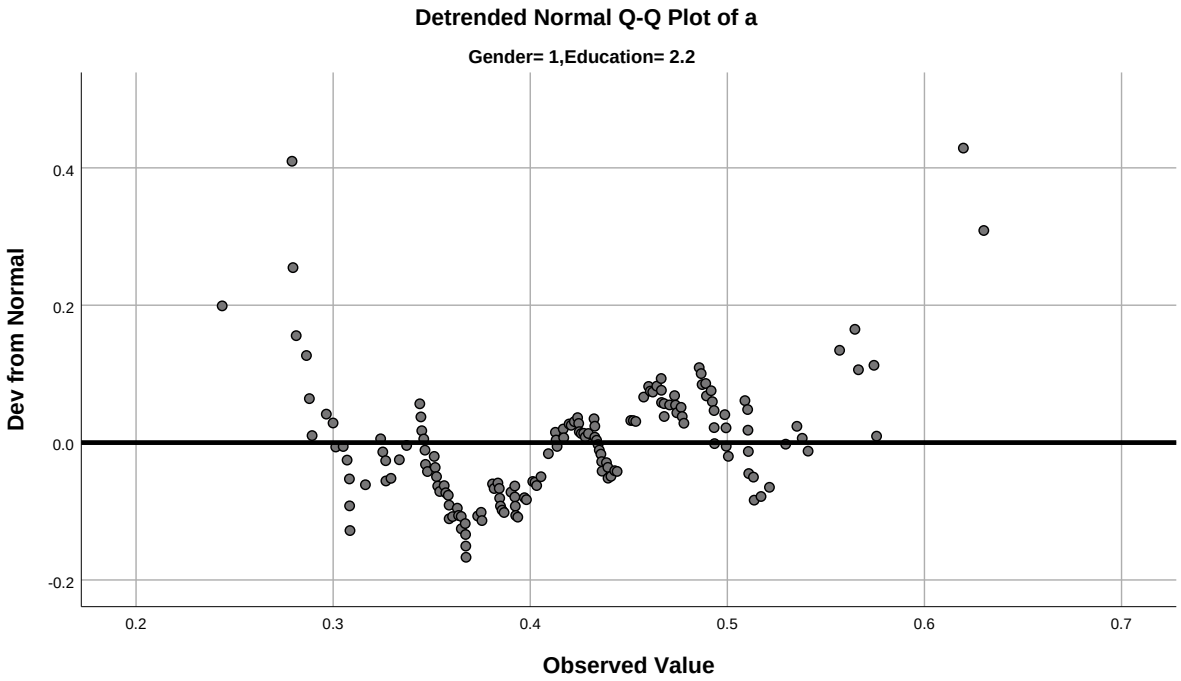

Normal Q-Q Plot of a
Gender= 3,Education= 2.2
Expected Normal
3
2
1
0
-1
-2
-3
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value

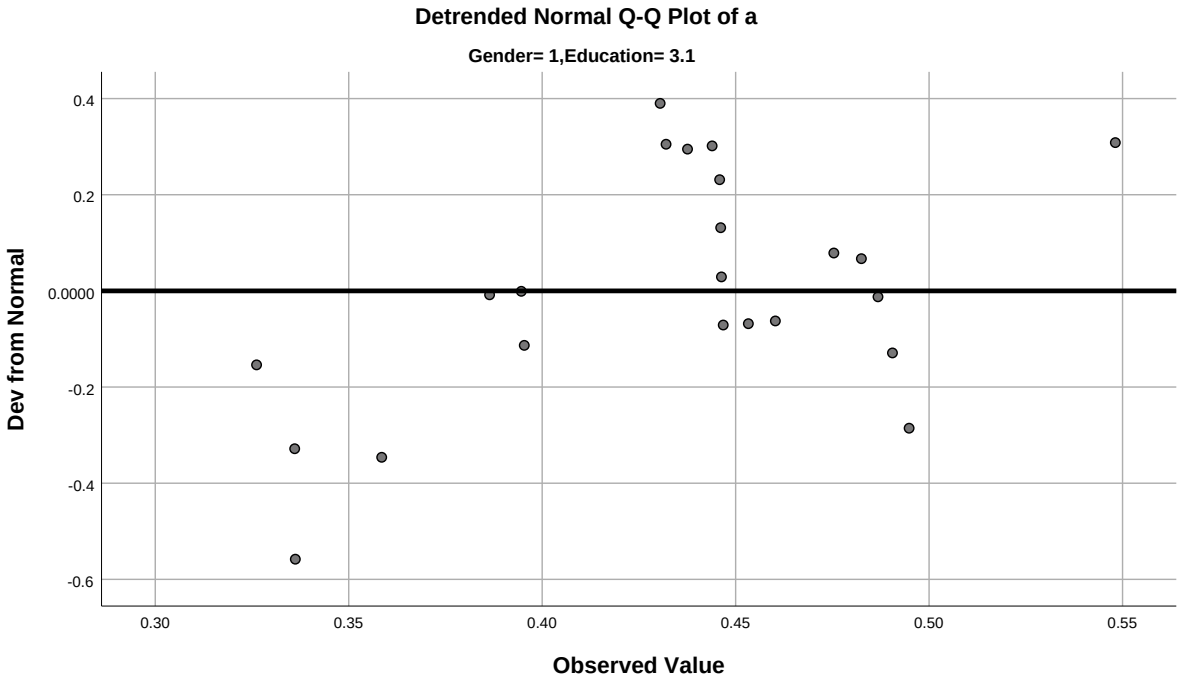

Normal Q-Q Plot of a
Gender= 3,Education= 3.1
Expected Normal
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
0.25
0.30
0.35
0.40
0.45
0.50
Observed Value

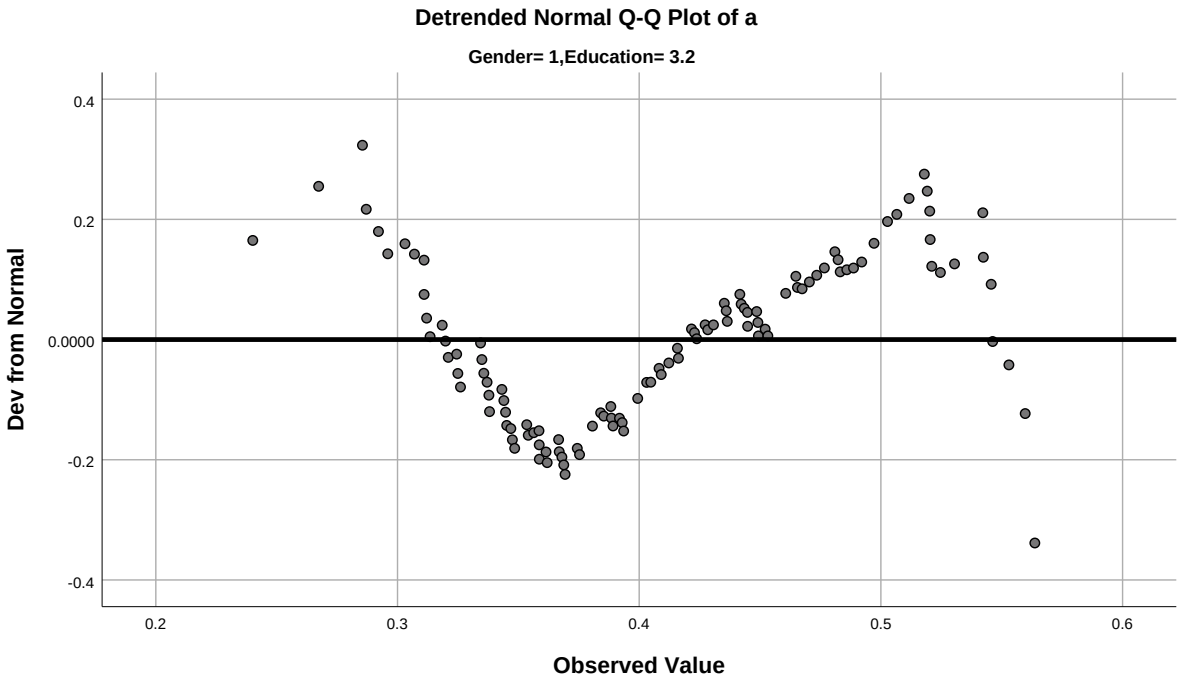


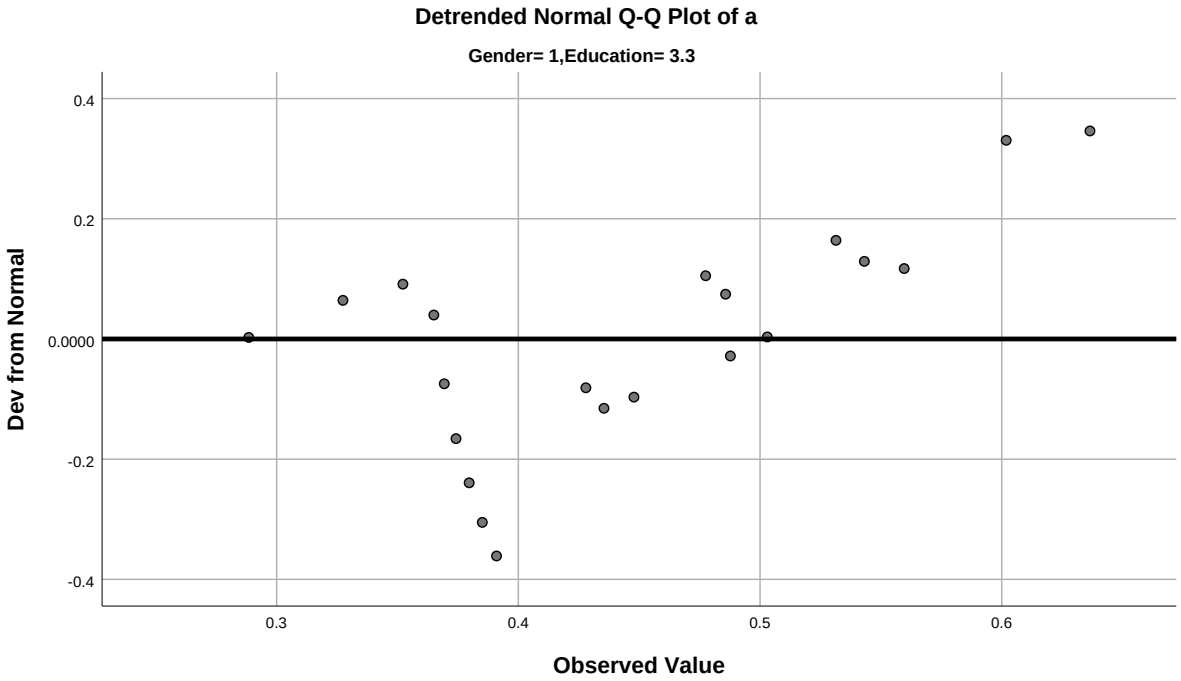


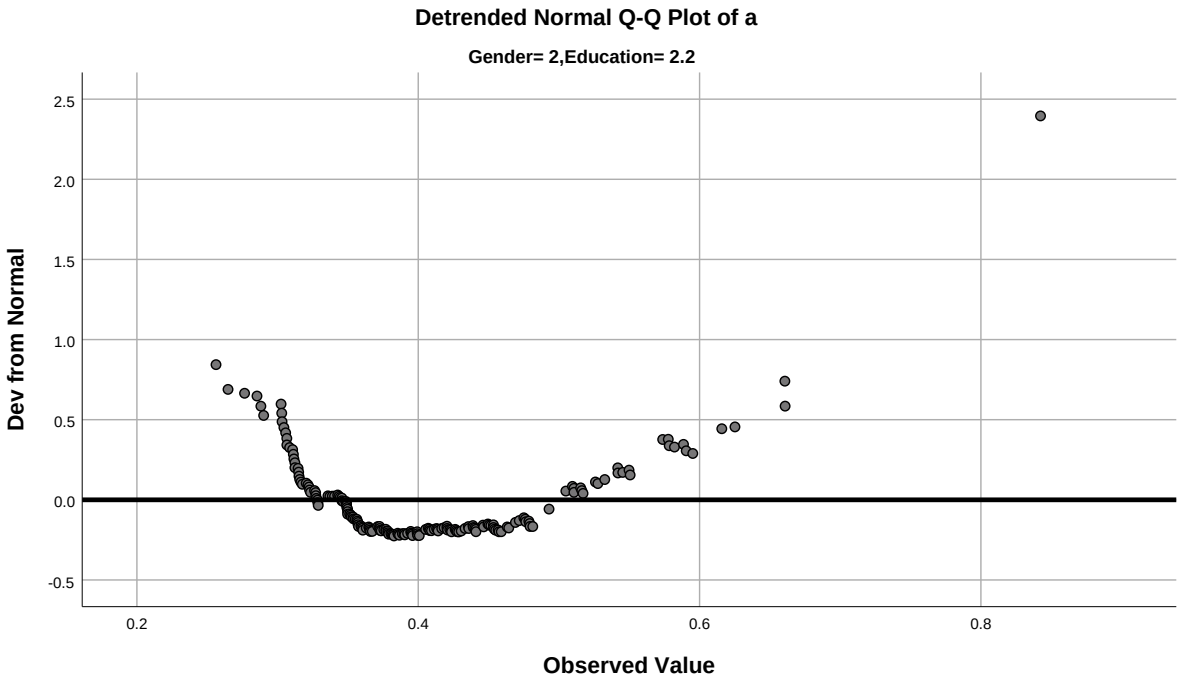
Detrended Normal Q-Q Plots

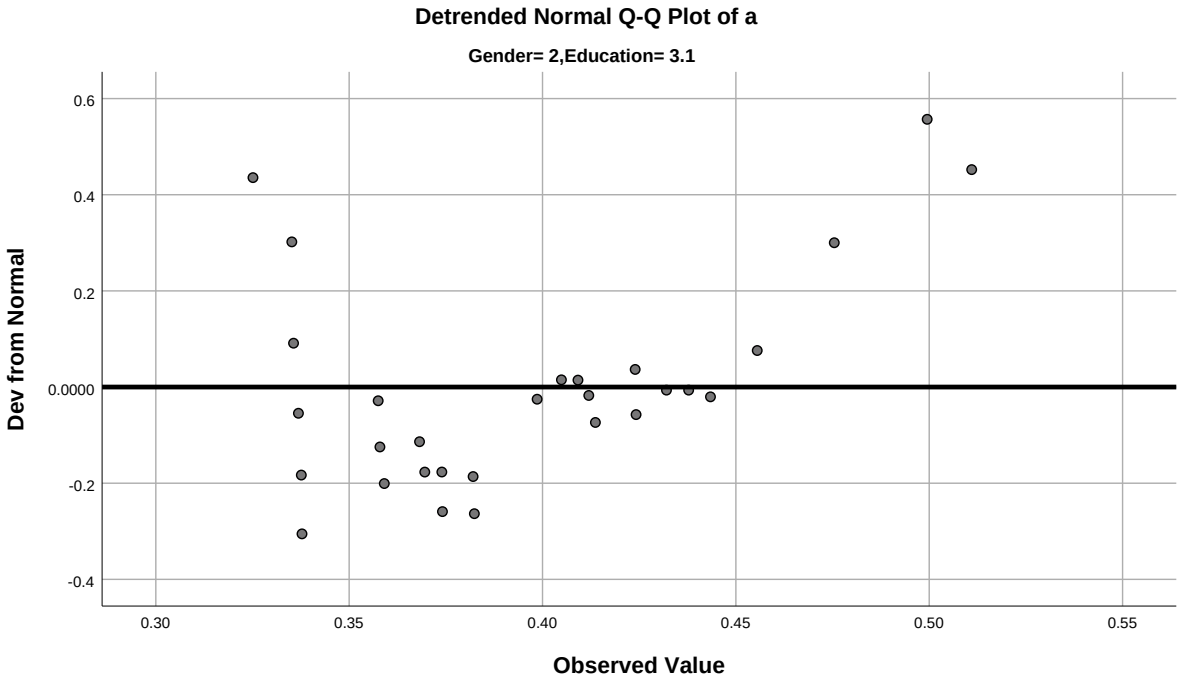

Detrended Normal Q-Q Plot of a
Gender= 1,Education= 2.2
Dev from Normal
0.4
0.2
0.0
-0.2
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value

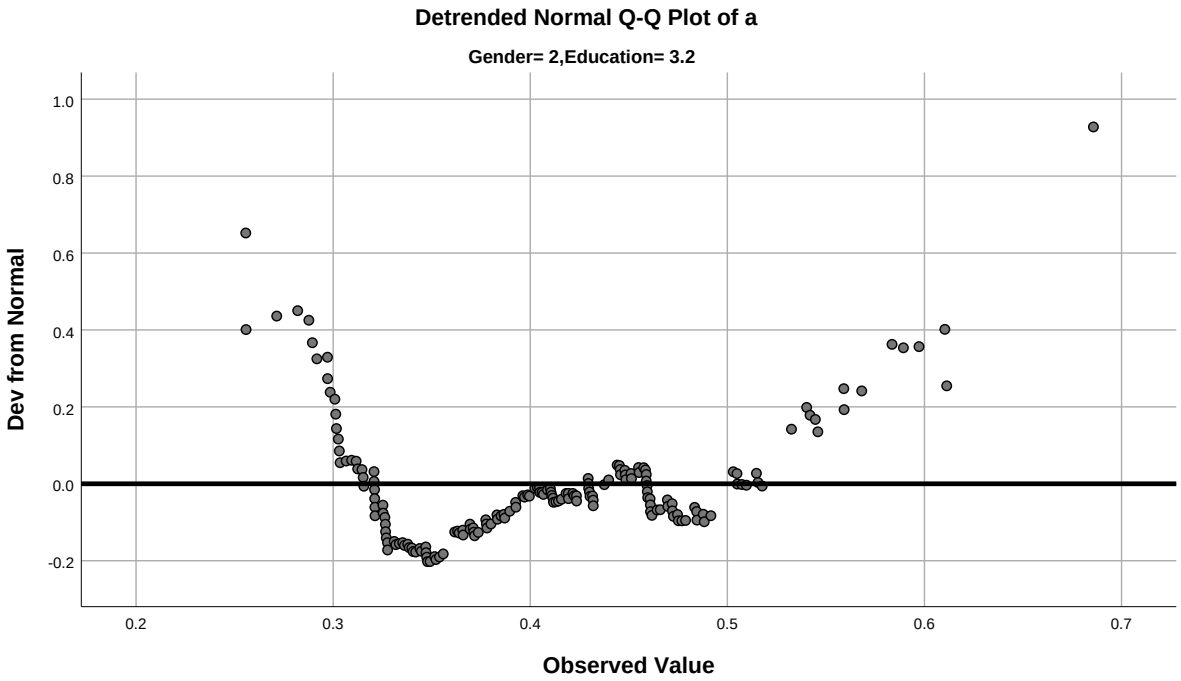

Detrended Normal Q-Q Plot of a
Gender= 1,Education= 3.1
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
-0.6
0.30
0.35
0.40
0.45
0.50
0.55
Observed Value

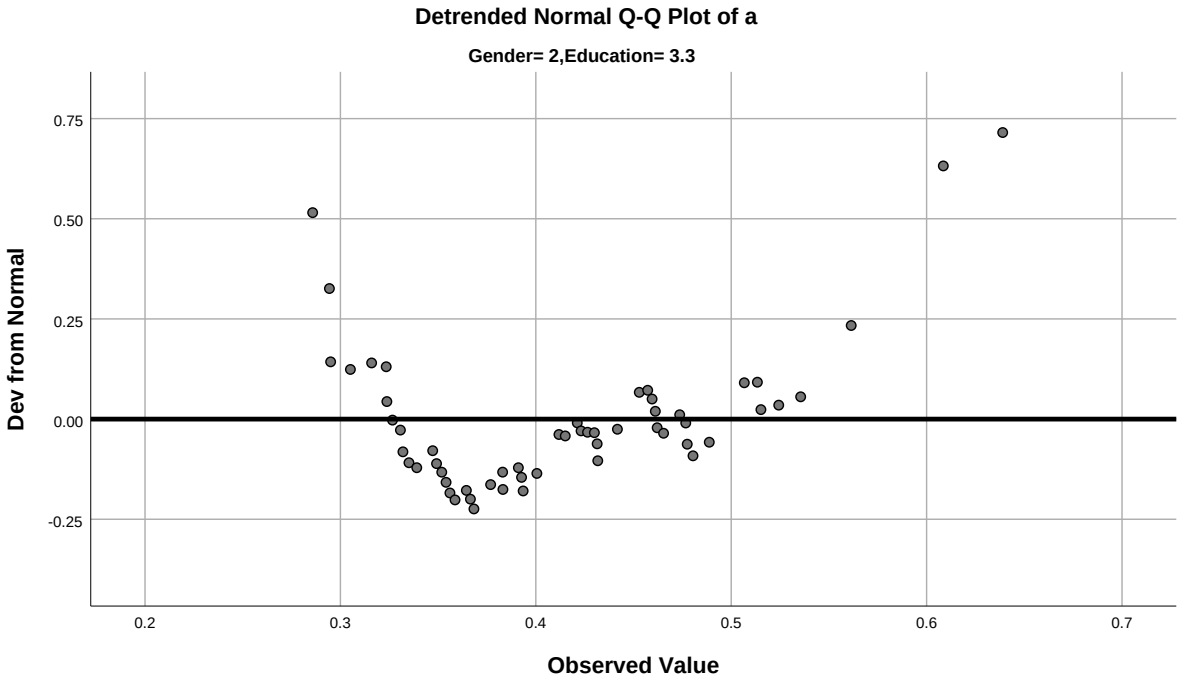

Detrended Normal Q-Q Plot of a
Gender= 1,Education= 3.2
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
0.2
0.3
0.4
0.5
0.6
Observed Value

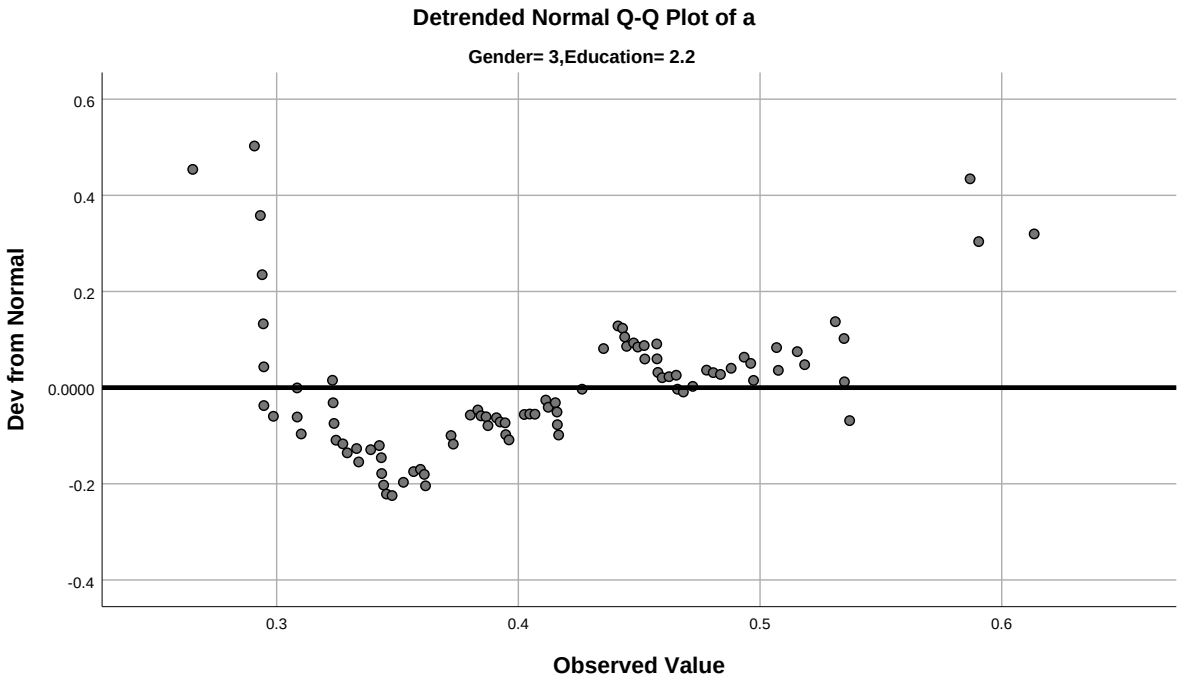

Detrended Normal Q-Q Plot of a
Gender= 1,Education= 3.3
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
0.3
0.4
0.5
0.6
Observed Value

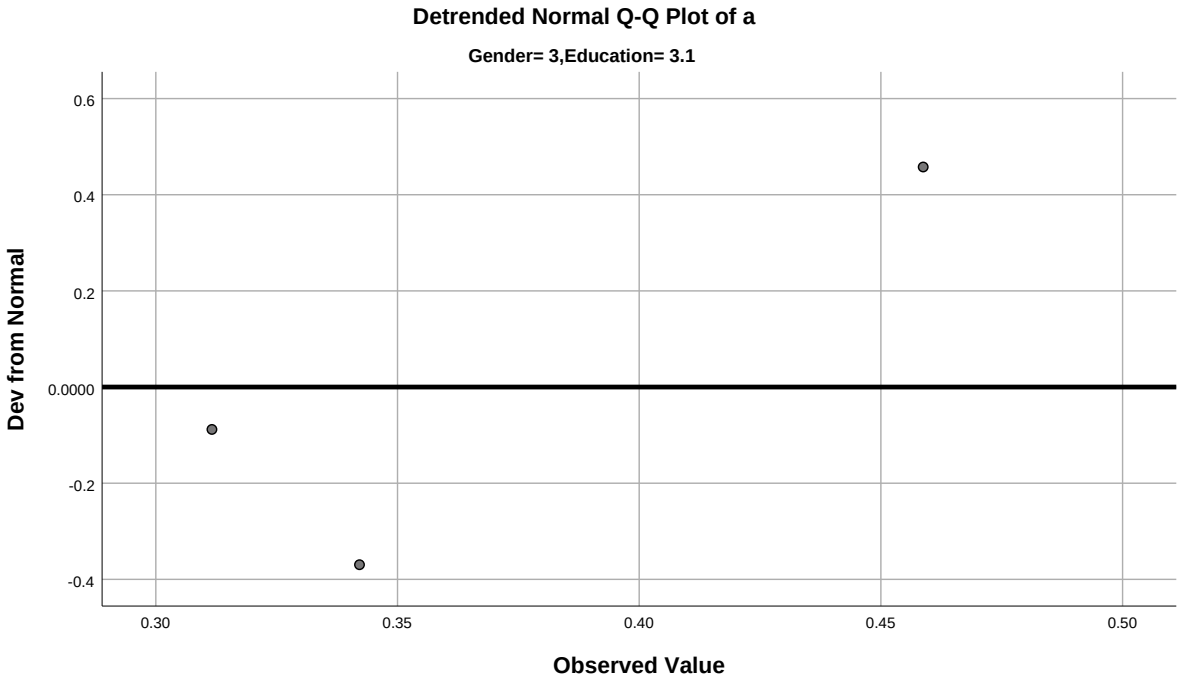

Detrended Normal Q-Q Plot of a
Gender= 2,Education= 2.2
Dev from Normal
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
0.2
0.4
0.6
0.8
Observed Value

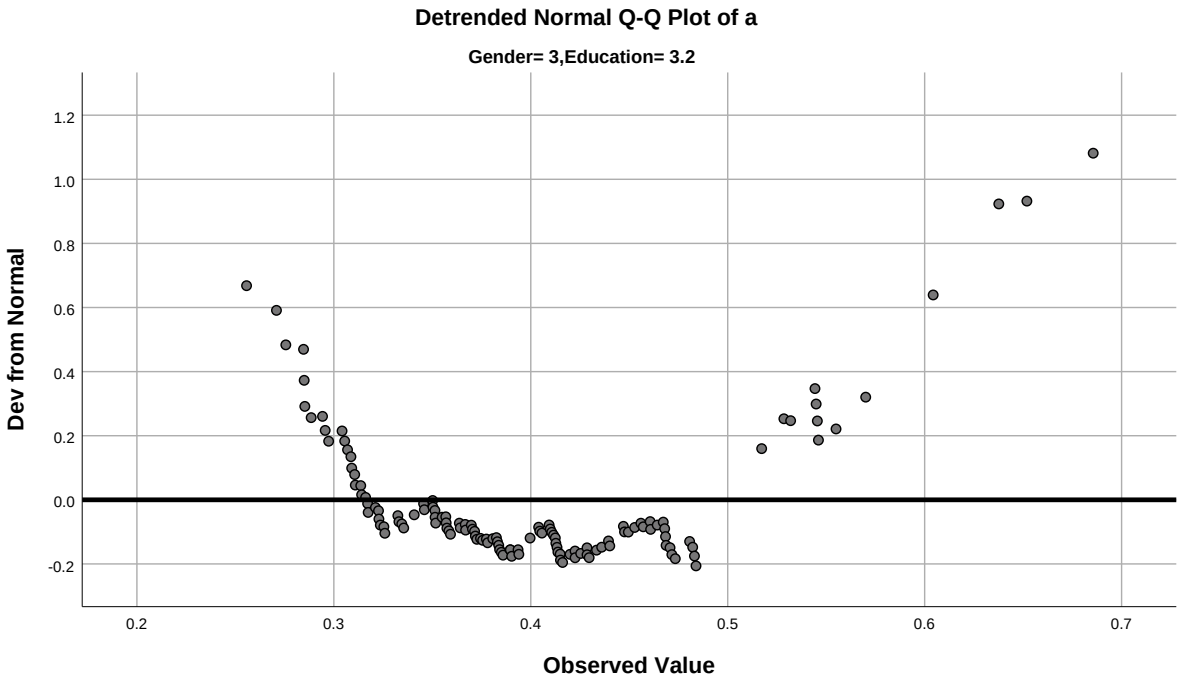

Detrended Normal Q-Q Plot of a
Gender= 2,Education= 3.1
Dev from Normal
0.6
0.4
0.2
0.0000
-0.2
-0.4
0.30
0.35
0.40
0.45
0.50
0.55
Observed Value

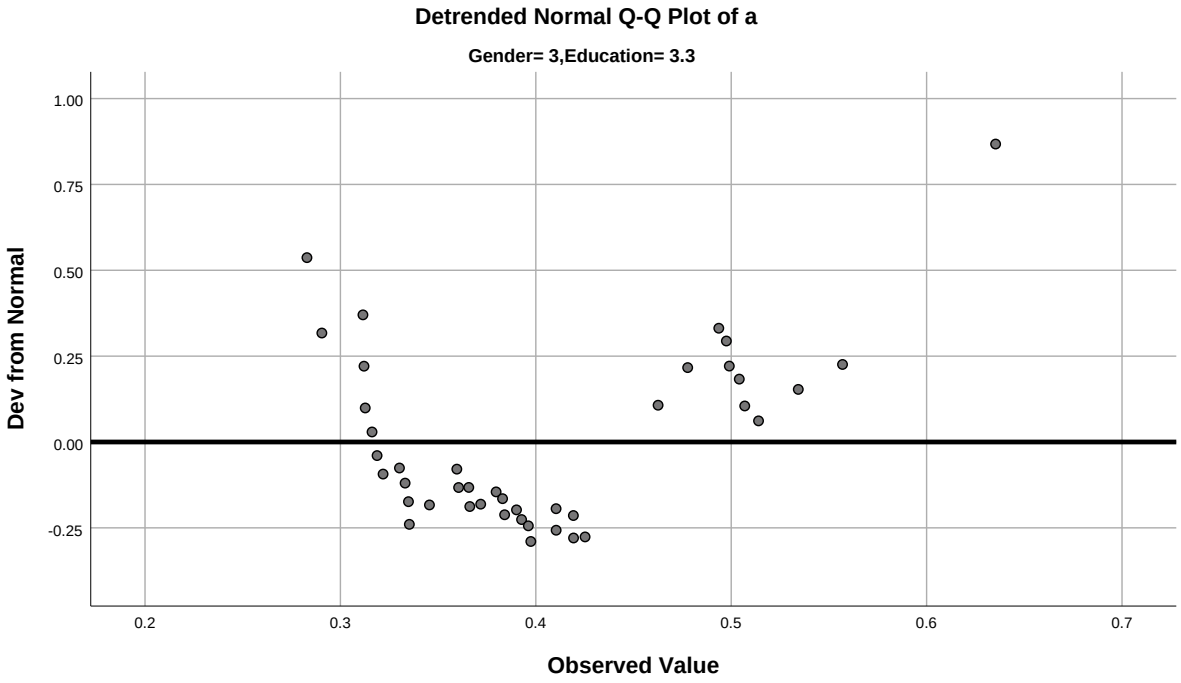

Detrended Normal Q-Q Plot of a
Gender= 2,Education= 3.2
Dev from Normal
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value


Detrended Normal Q-Q Plot of a
Gender= 2,Education= 3.3
Dev from Normal
0.75
0.50
0.25
0.00
-0.25
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value


Detrended Normal Q-Q Plot of a
Gender= 3,Education= 2.2
Dev from Normal
0.6
0.4
0.2
0.0000
-0.2
-0.4
0.3
0.4
0.5
0.6
Observed Value

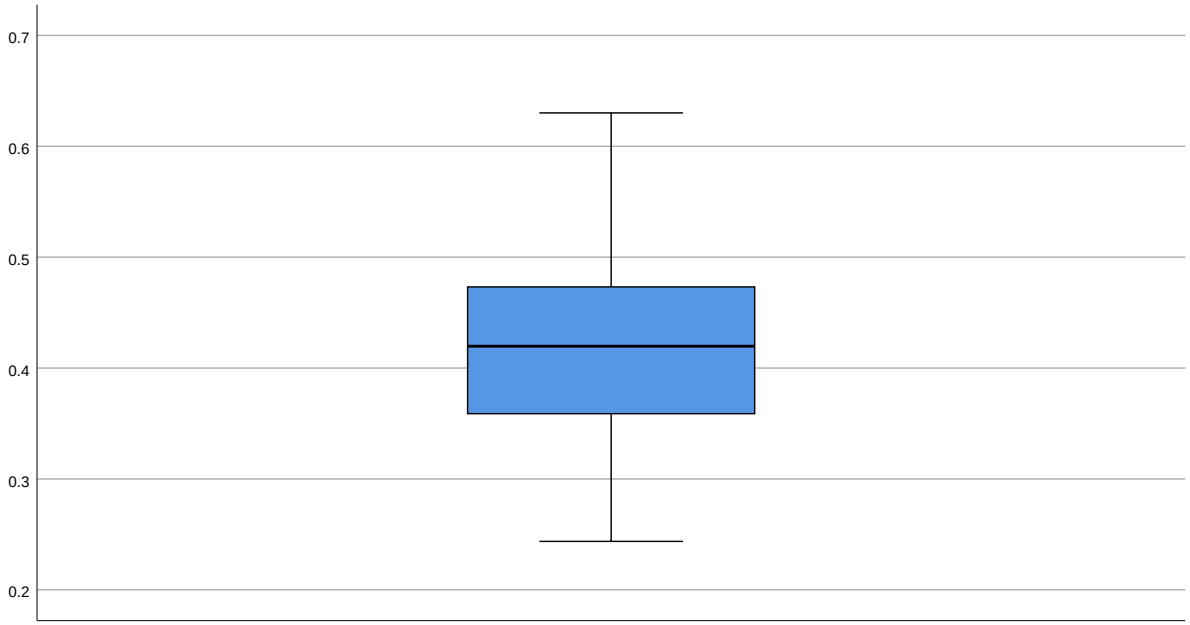

Detrended Normal Q-Q Plot of a
Gender= 3,Education= 3.1
Dev from Normal
0.6
0.4
0.2
0.0000
-0.2
-0.4
0.30
0.35
0.40
0.45
0.50
Observed Value


Detrended Normal Q-Q Plot of a
Gender= 3,Education= 3.2
Dev from Normal
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value


Detrended Normal Q-Q Plot of a
Gender= 3,Education= 3.3
Dev from Normal
1.00
0.75
0.50
0.25
0.00
-0.25
0.2
0.3
0.4
0.5
0.6
0.7
Observed Value

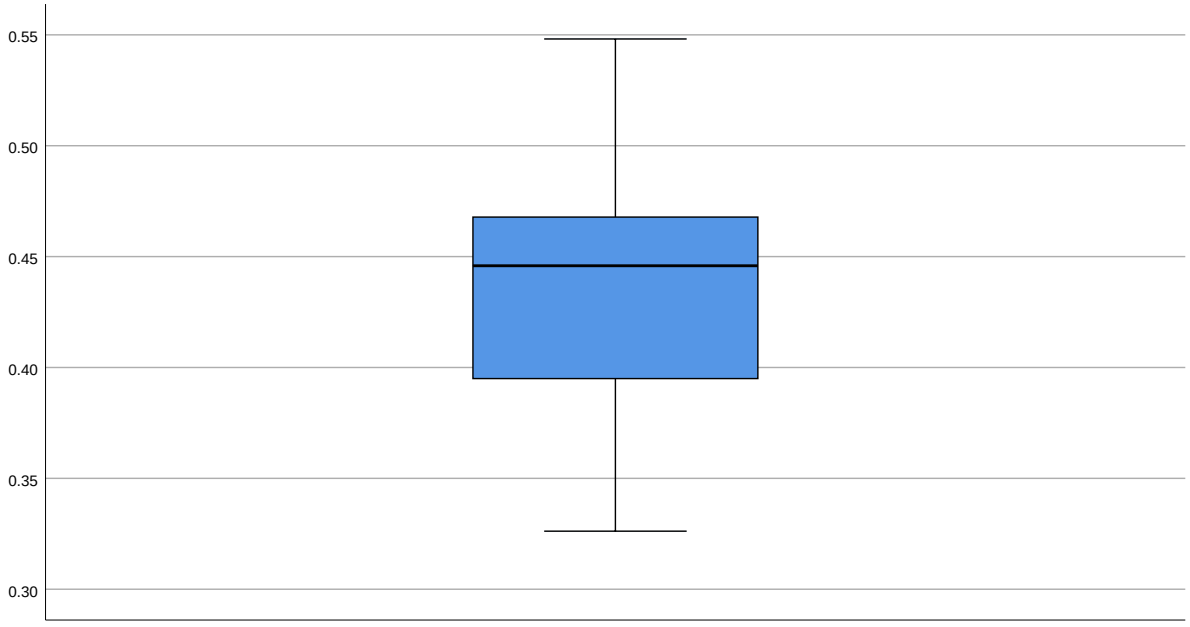
Boxplots

Gender: 1, Education: 2.2



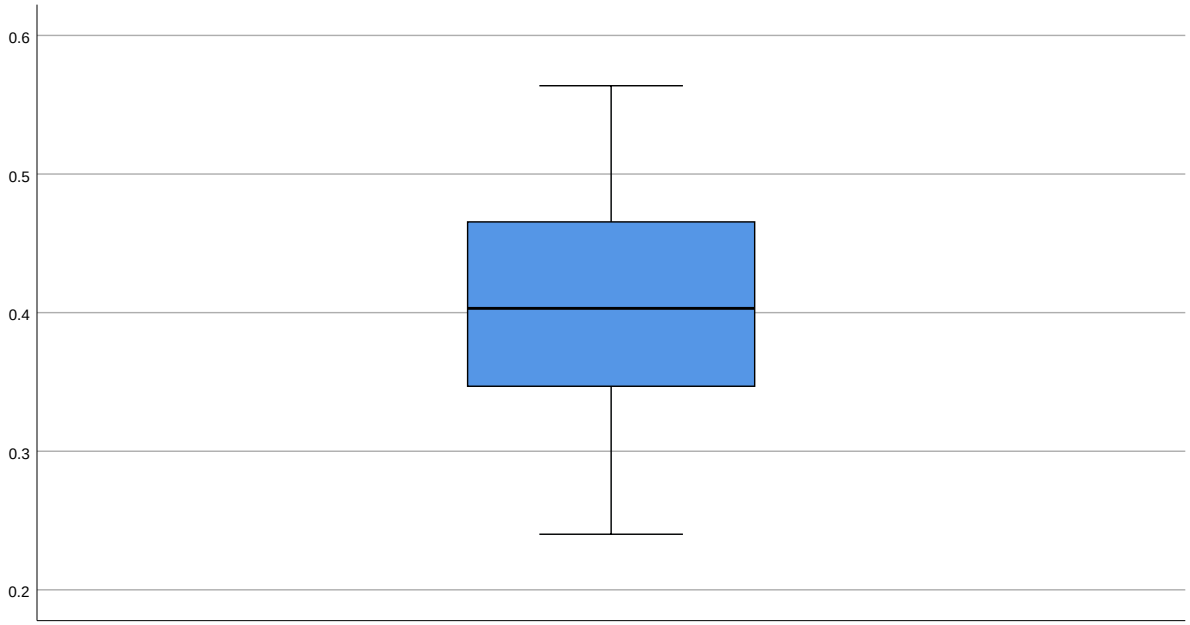
a

Gender: 1, Education: 3.1



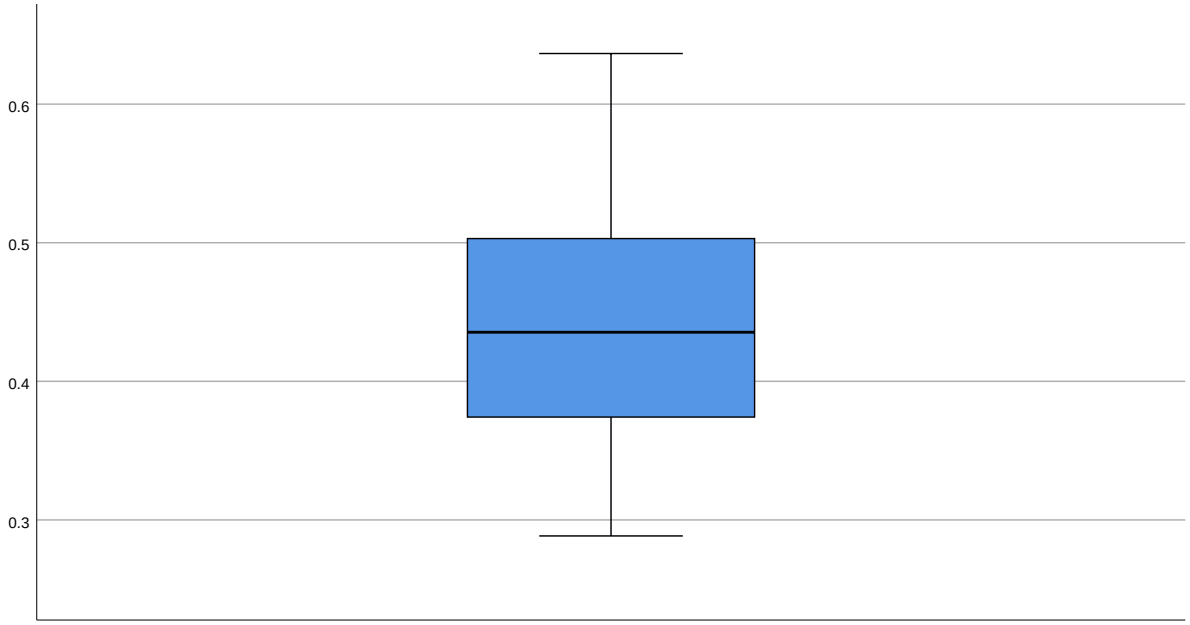
a

Gender: 1, Education: 3.2



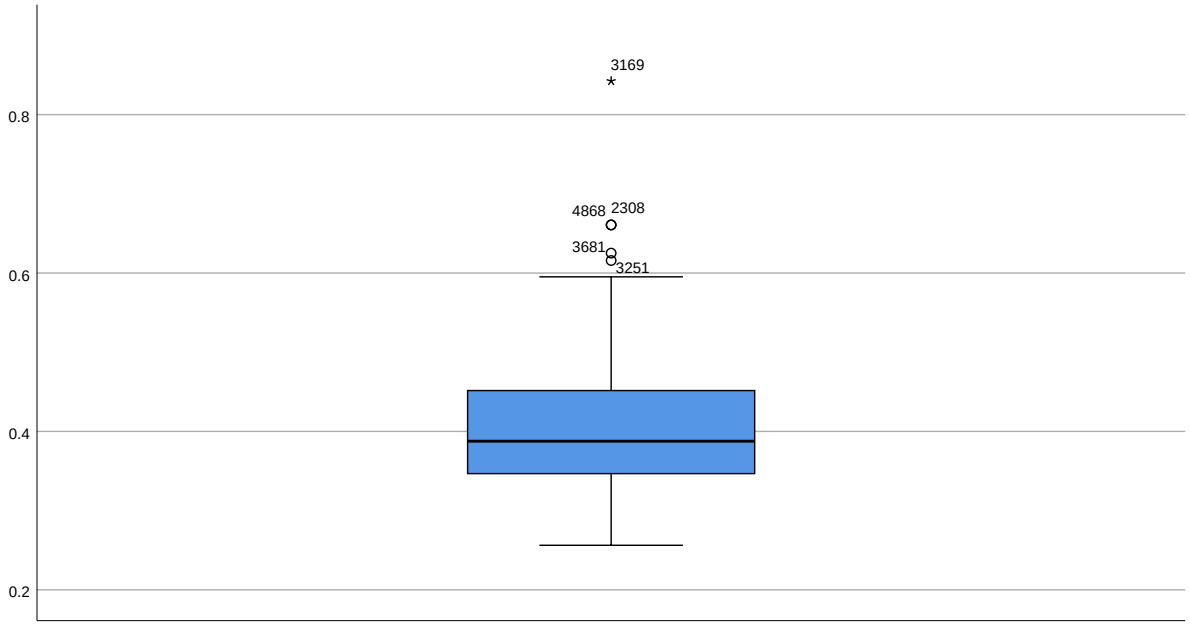
a

Gender: 1, Education: 3.3



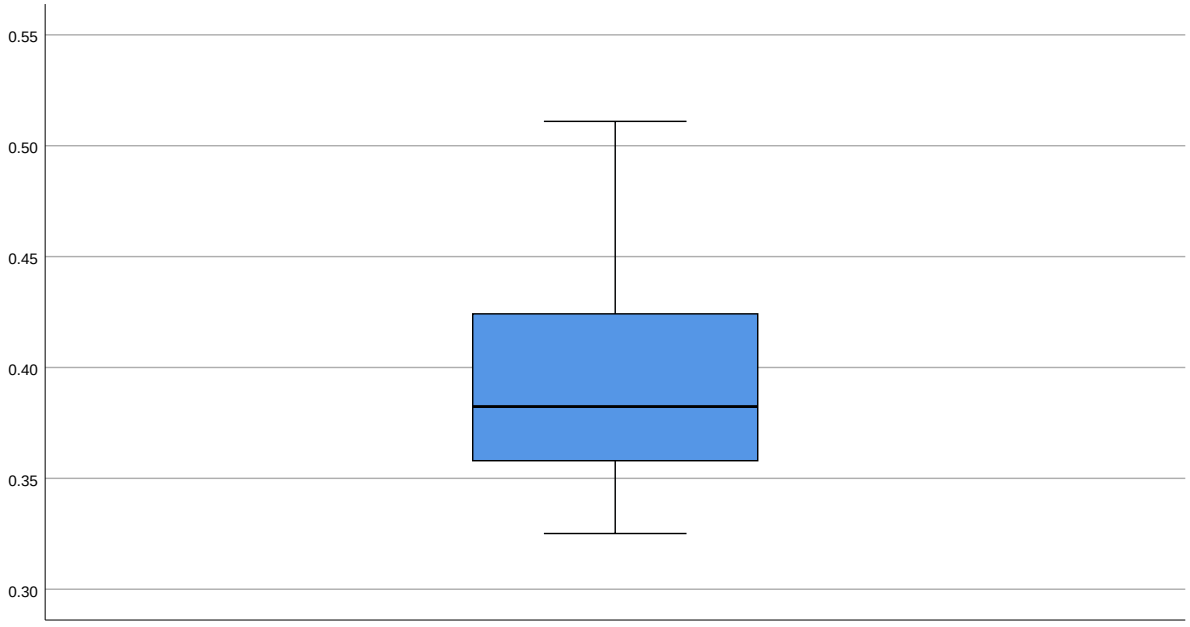
a

Gender: 2, Education: 2.2



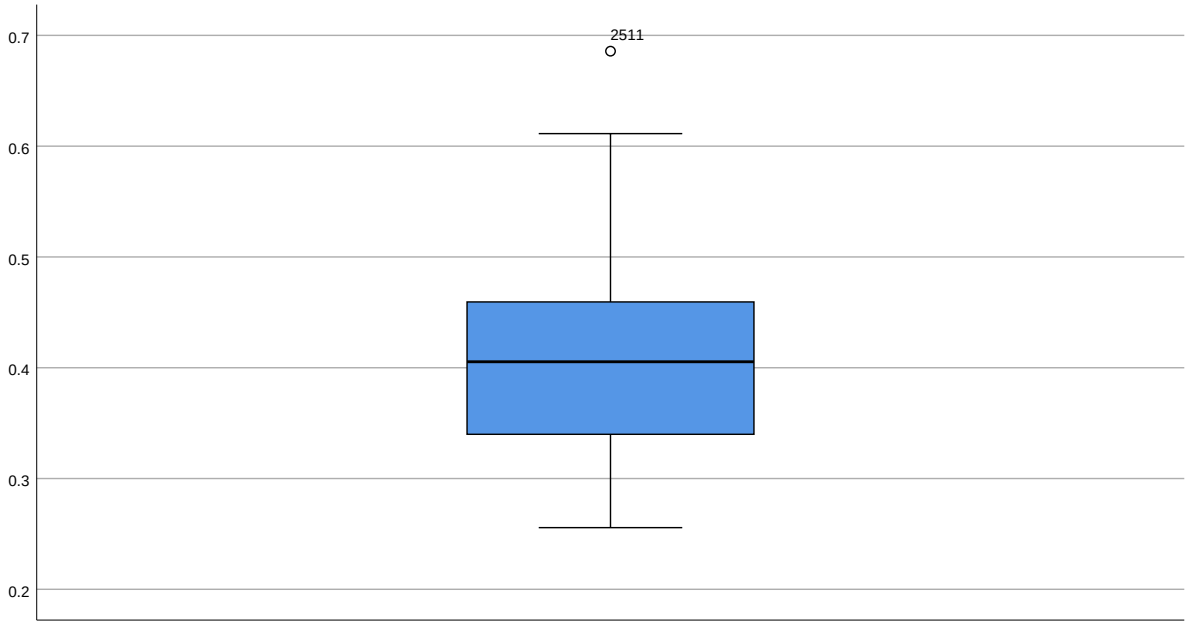
a

Gender: 2, Education: 3.1



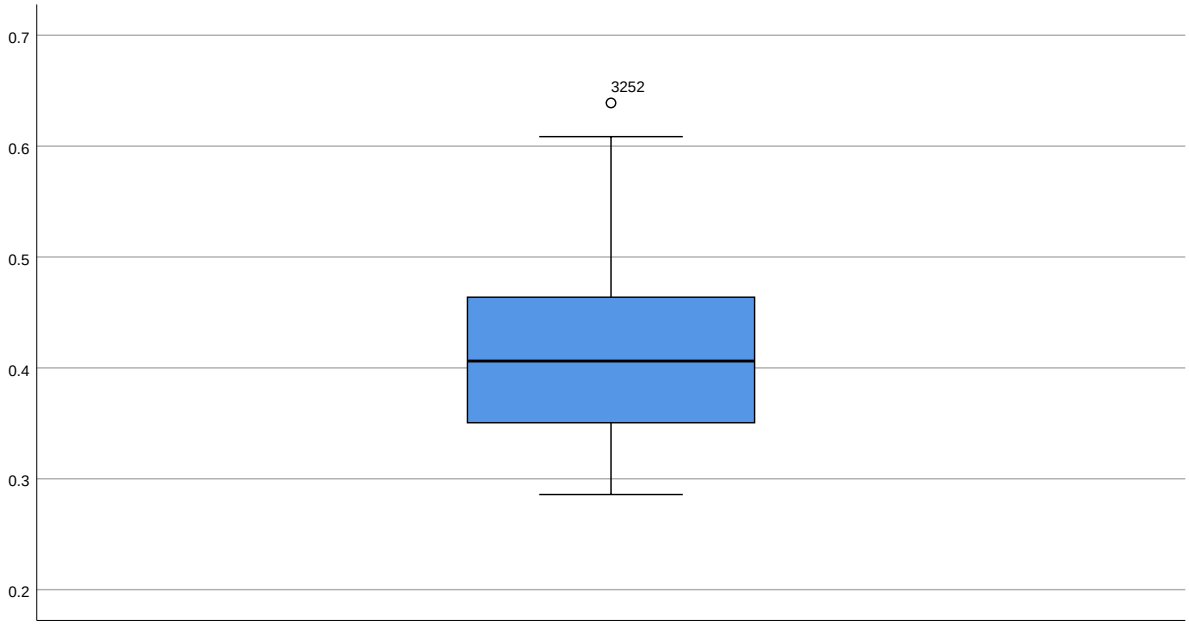
a

Gender: 2, Education: 3.2



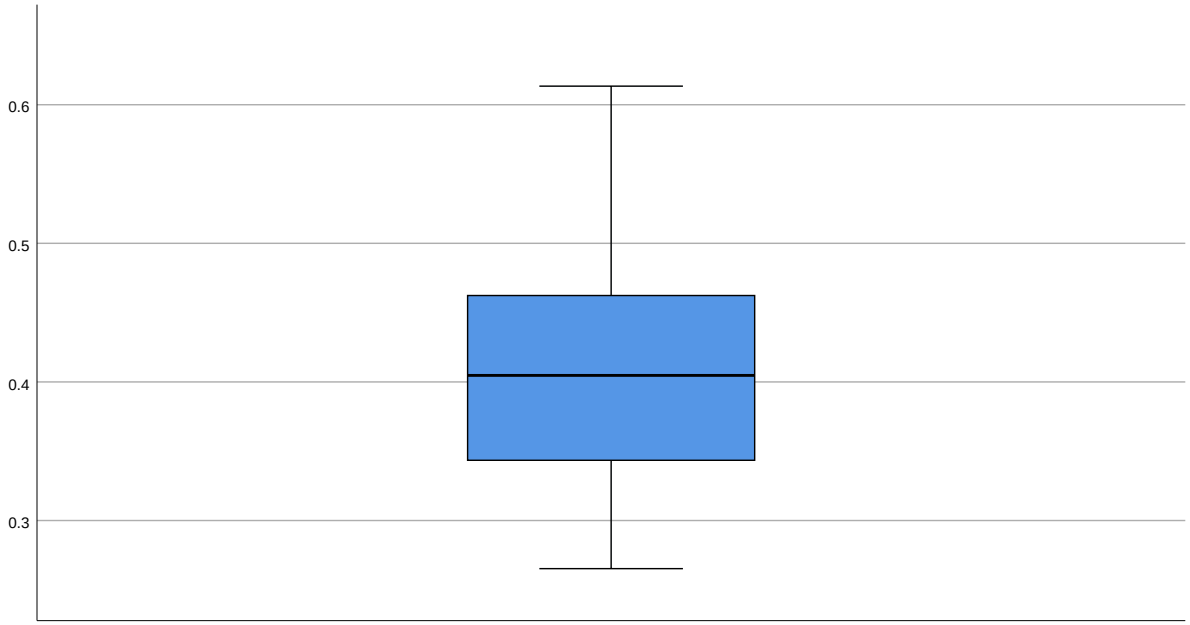
a

Gender: 2, Education: 3.3



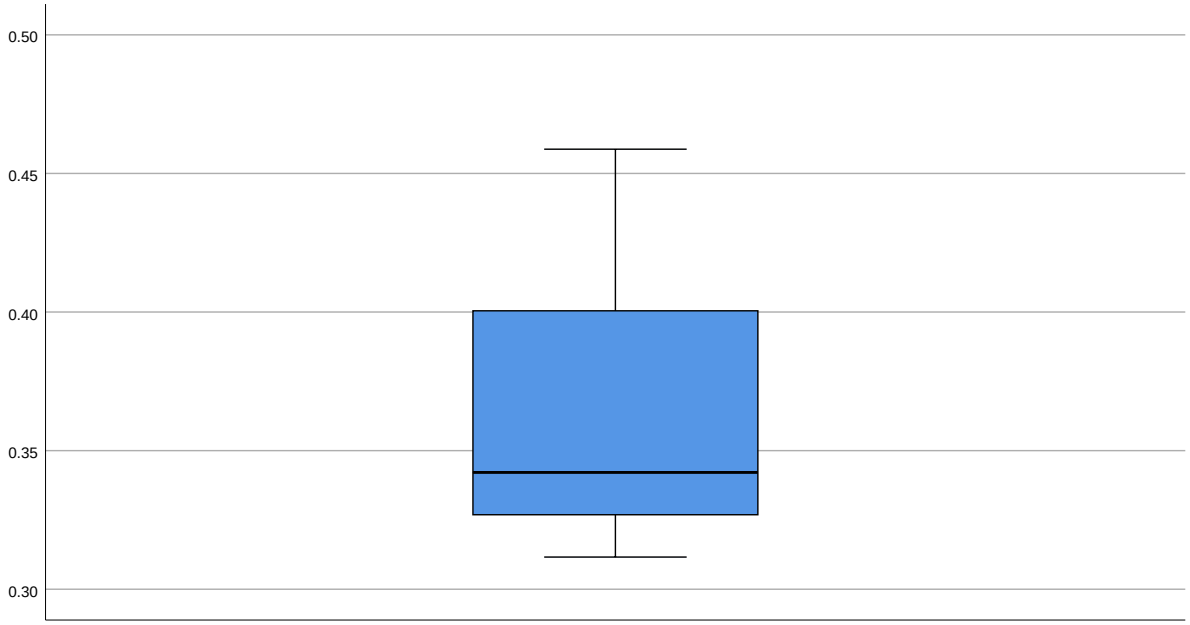
a

Gender: 3, Education: 2.2

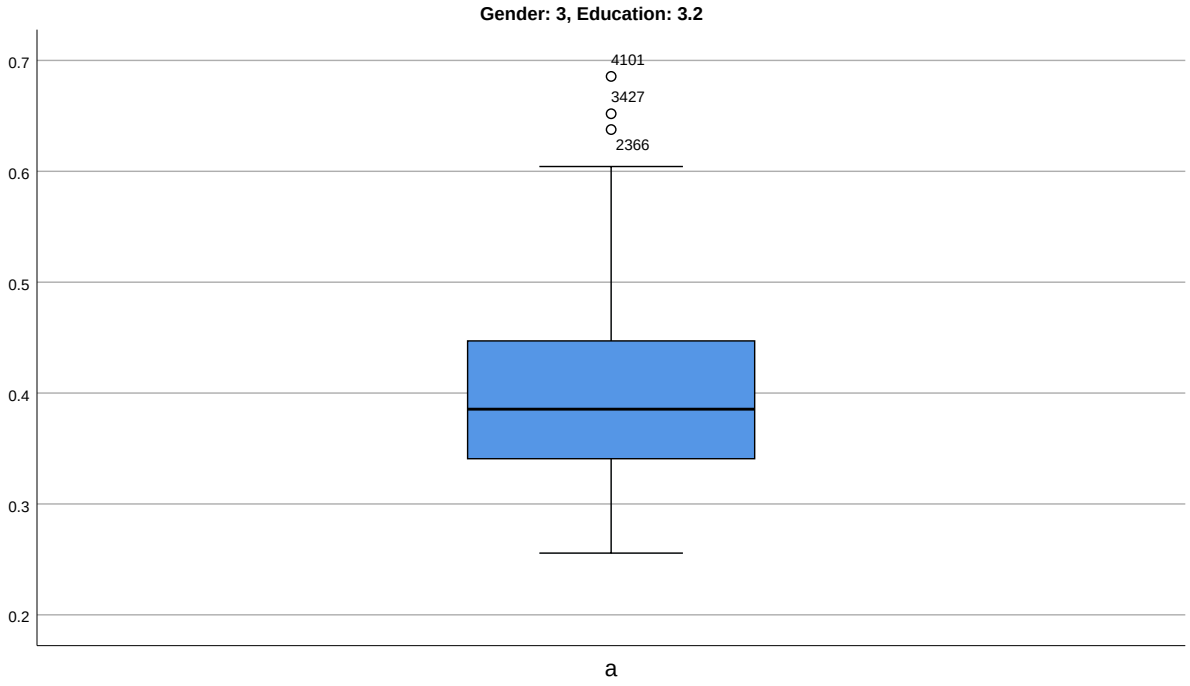


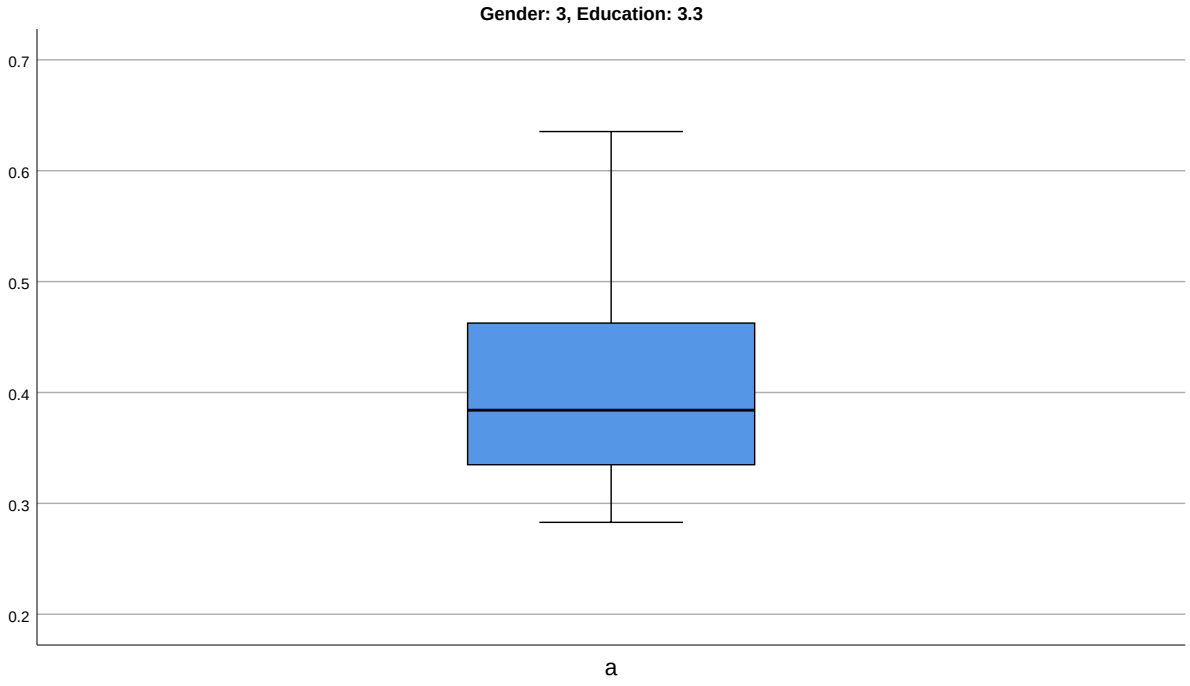
a

Gender: 3, Education: 3.1



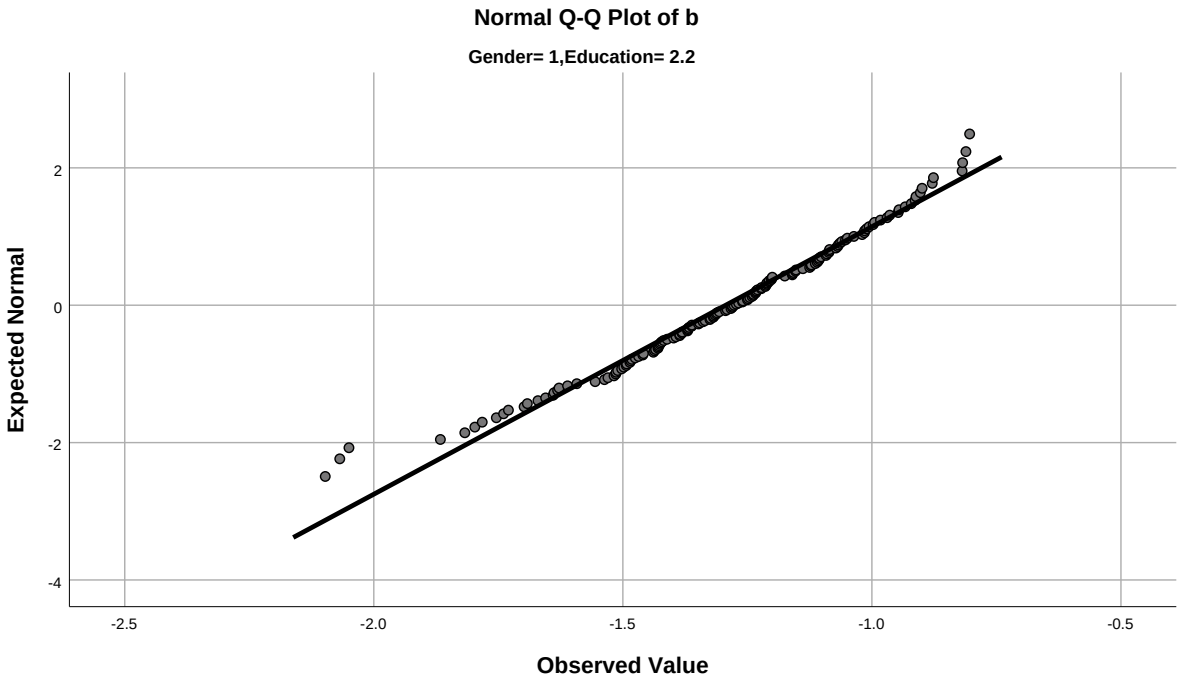
a

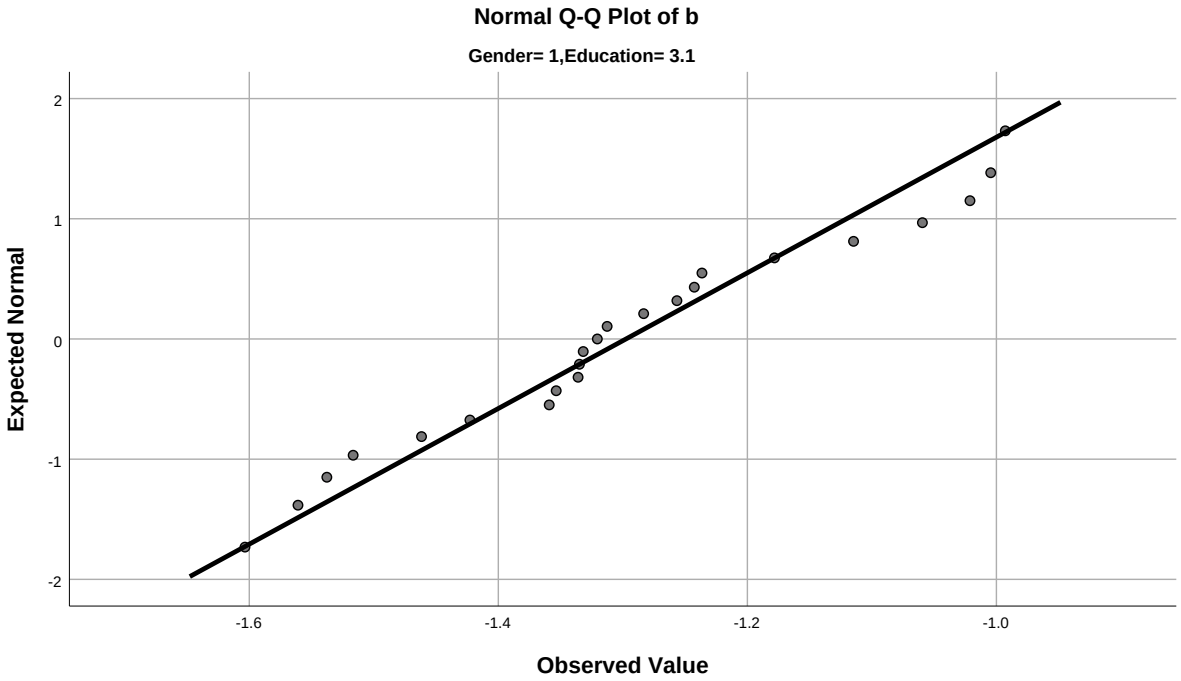


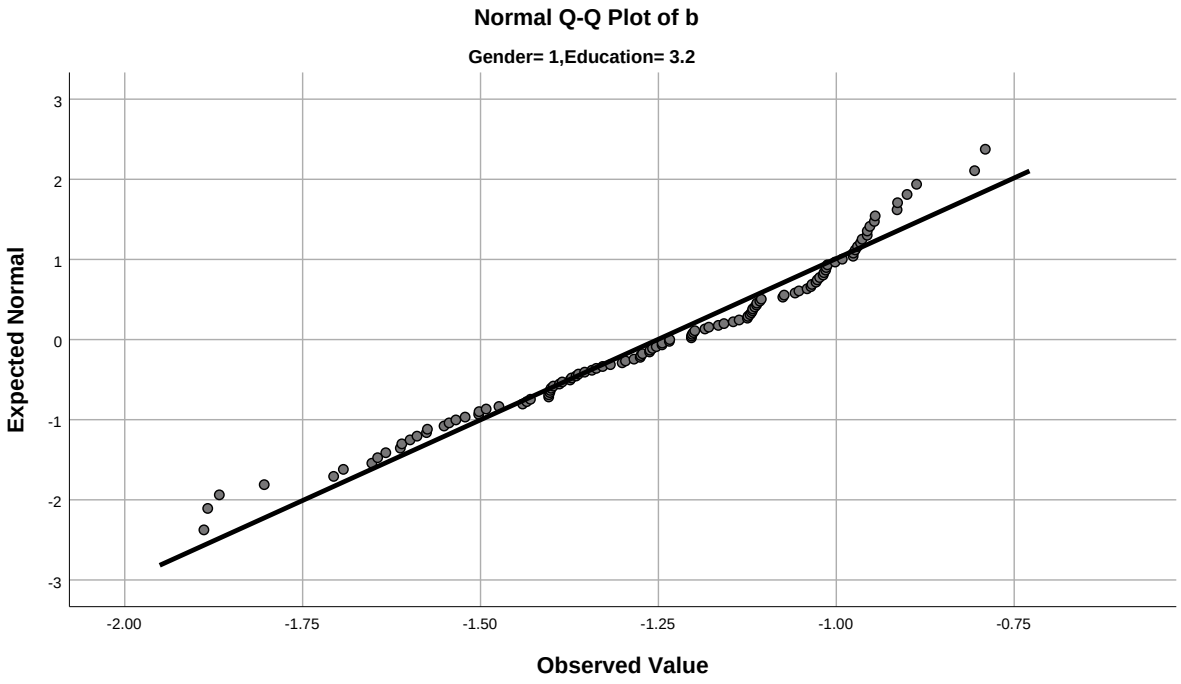


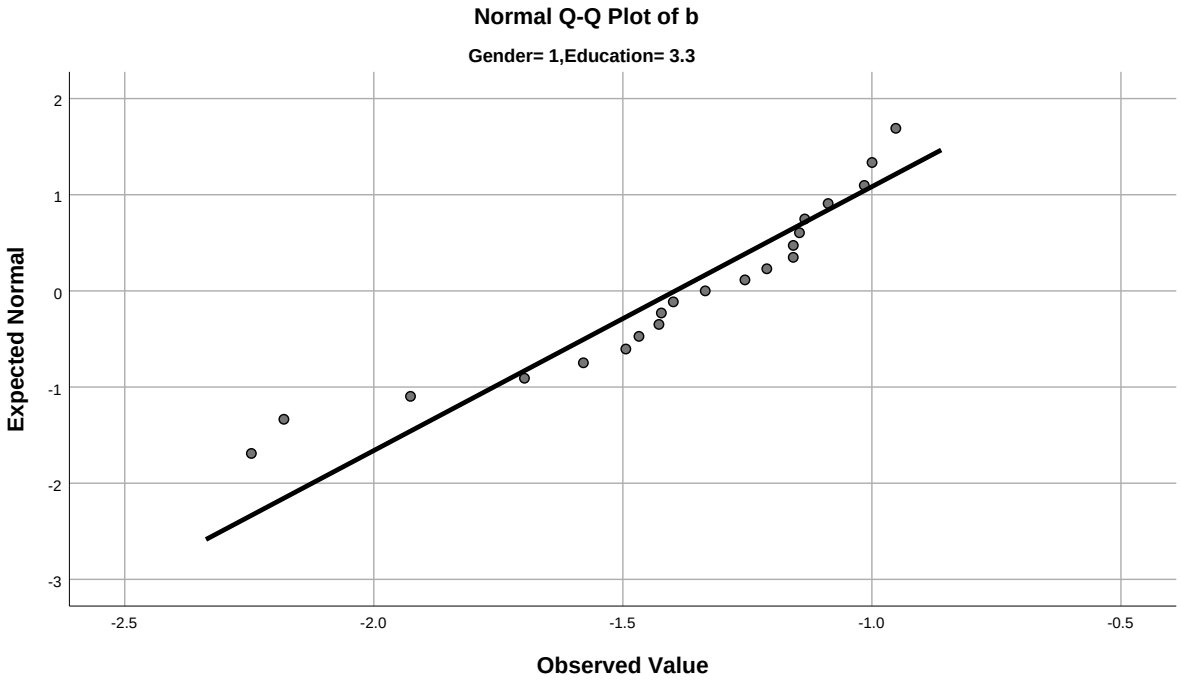
b

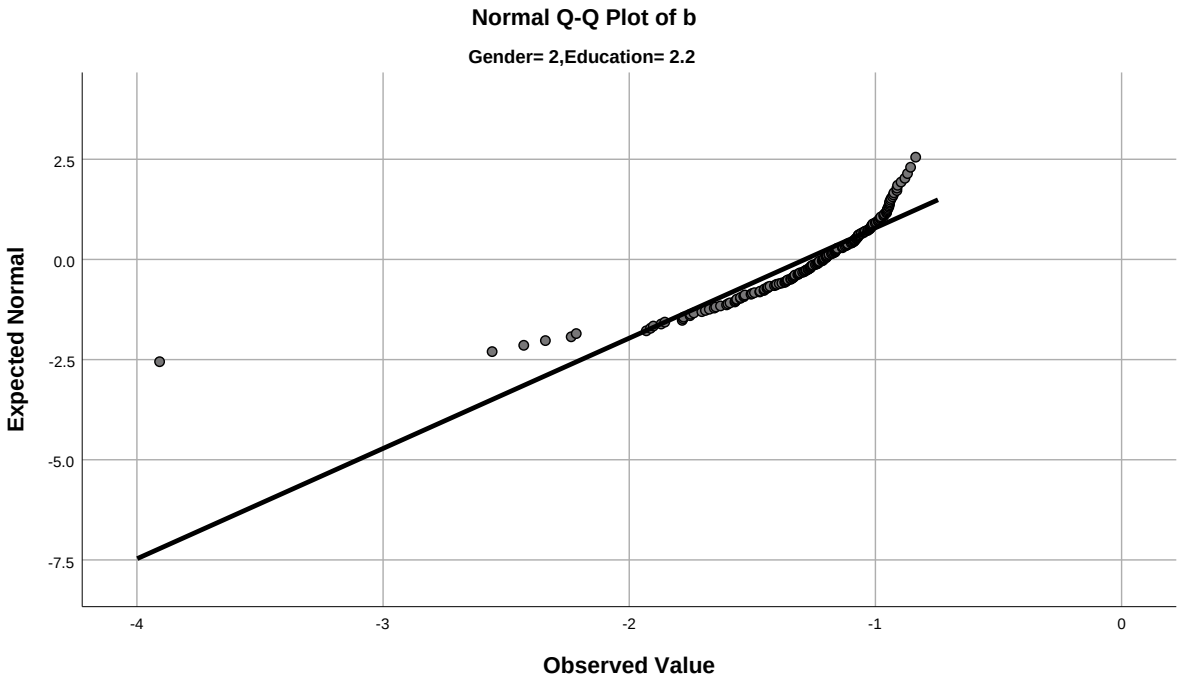
Normal Q-Q Plots

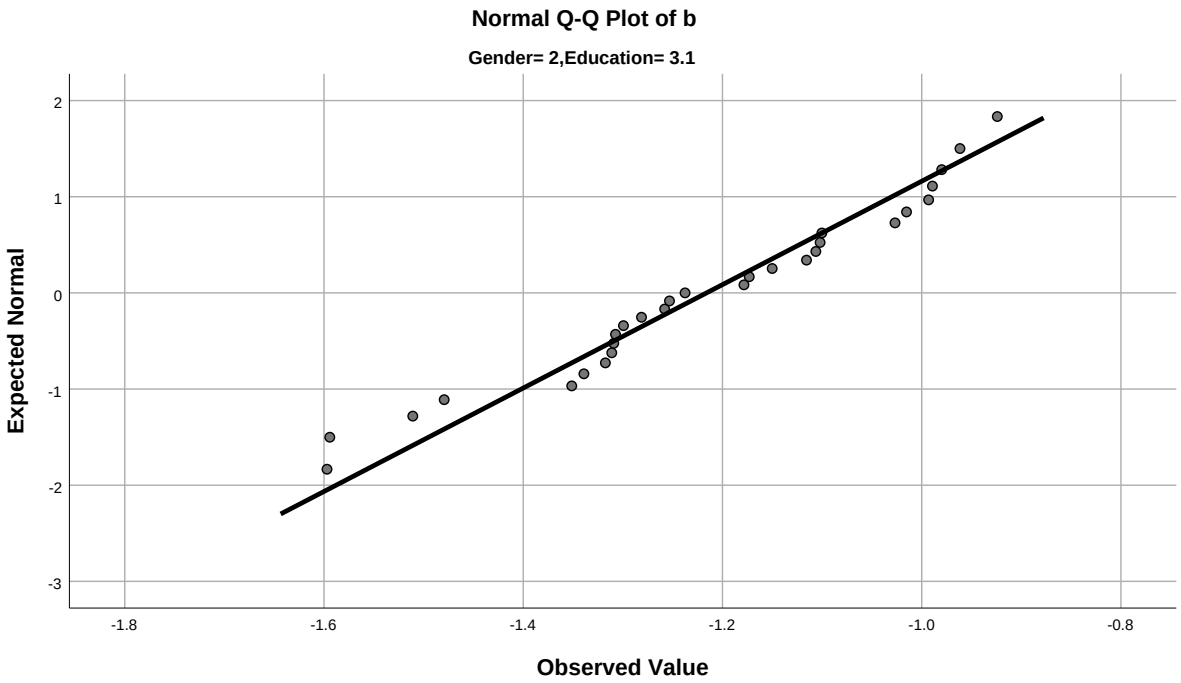

Normal Q-Q Plot of b
Gender= 1,Education= 2.2
Expected Normal
2
0
-2
-4
-2.5
-2.0
-1.5
-1.0
-0.5
Observed Value

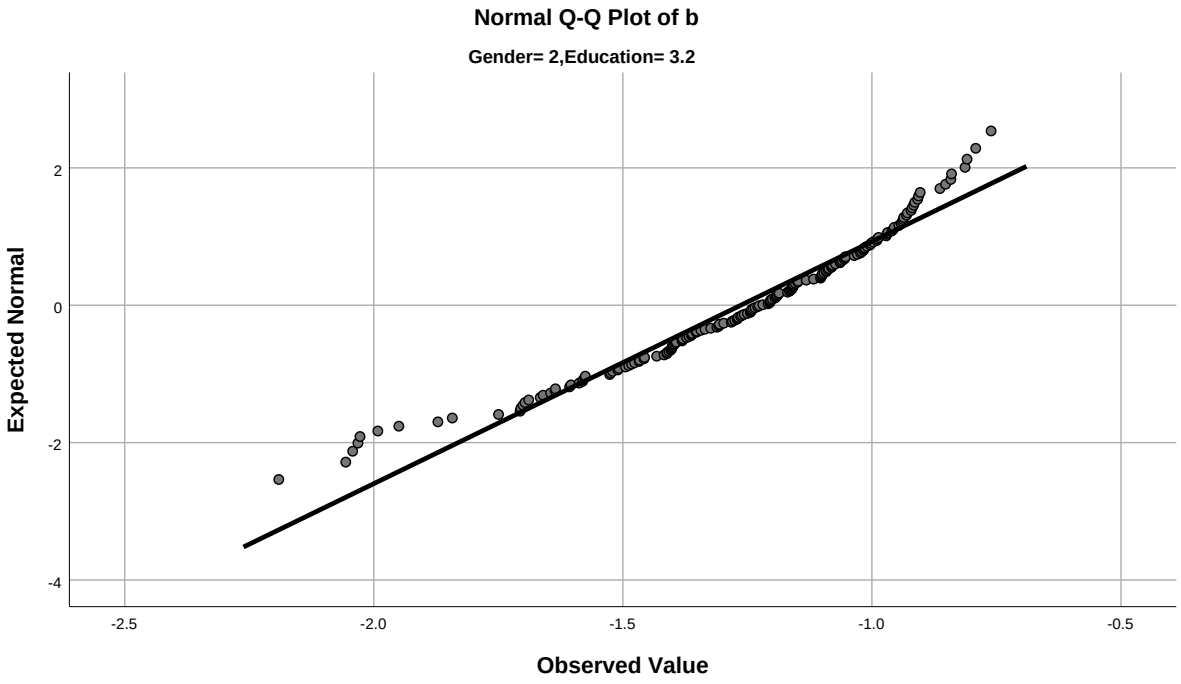

Normal Q-Q Plot of b
Gender= 1,Education= 3.1
Expected Normal
2
1
0
-1
-2
-1.6
-1.4
-1.2
-1.0
Observed Value

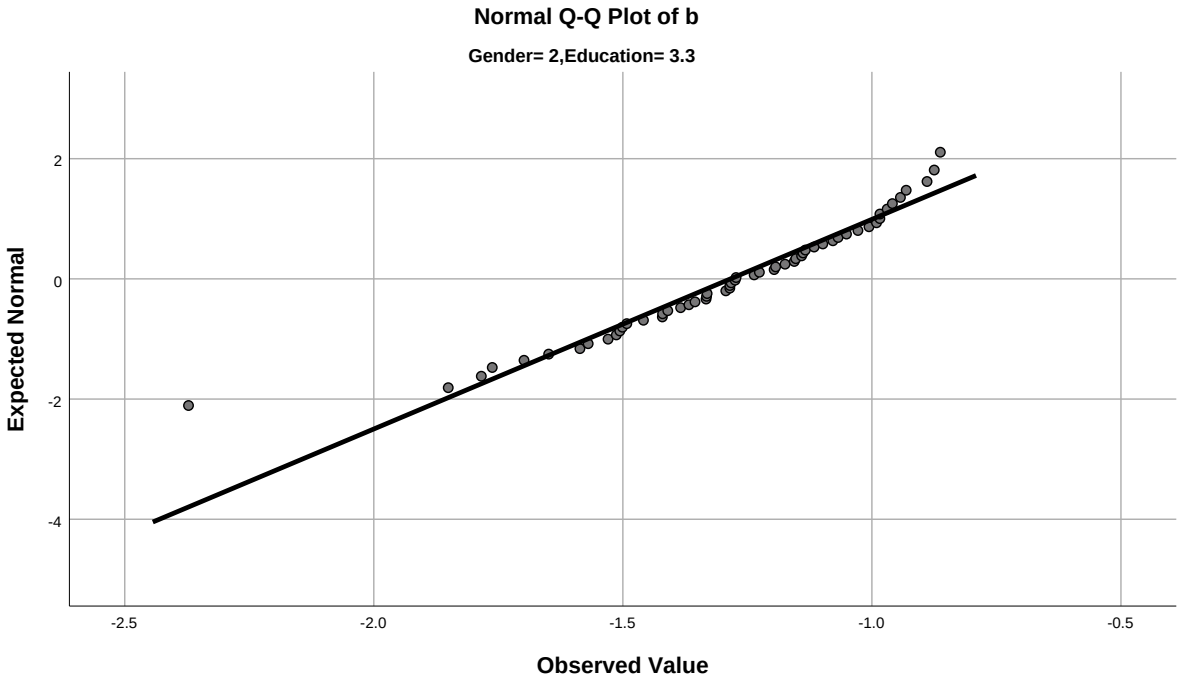

Normal Q-Q Plot of b
Gender= 1,Education= 3.2
Expected Normal
3
2
1
0
-1
-2
-3
-2.00
-1.75
-1.50
-1.25
-1.00
-0.75
Observed Value

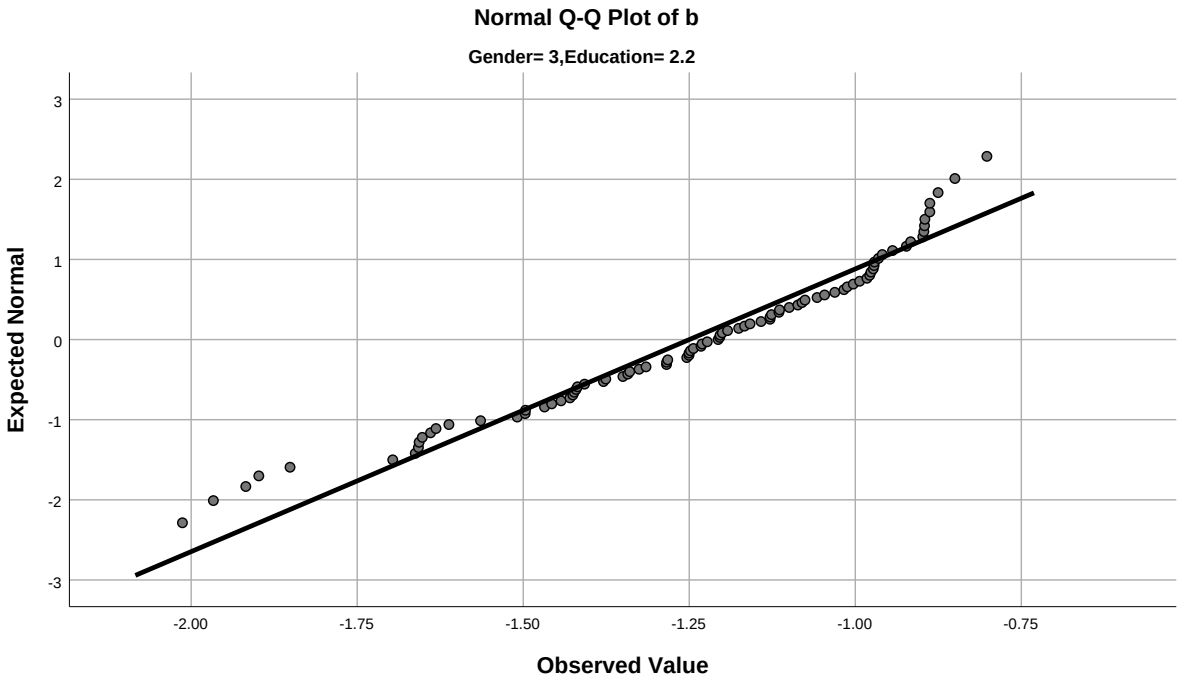

Normal Q-Q Plot of b
Gender= 1,Education= 3.3
Expected Normal
2
1
0
-1
-2
-3
-2.5
-2.0
-1.5
-1.0
-0.5
Observed Value

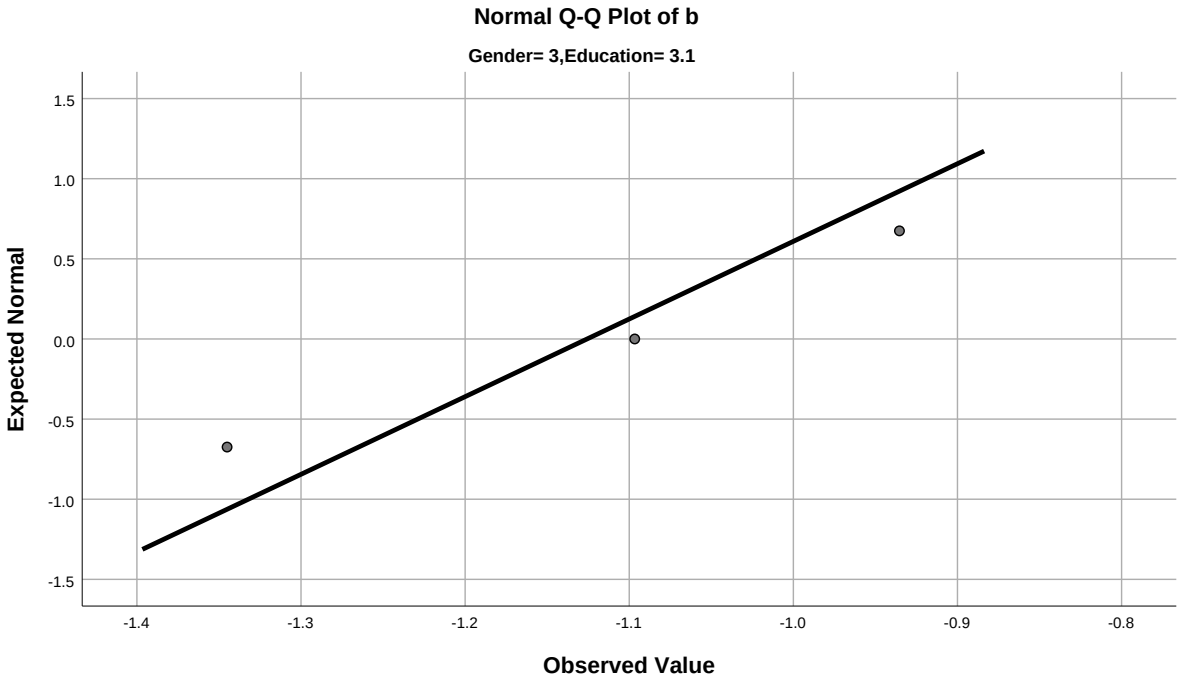

Normal Q-Q Plot of b
Gender= 2,Education= 2.2
Expected Normal
2.5
0.0
-2.5
-5.0
-7.5
-4
-3
-2
-1
0
Observed Value

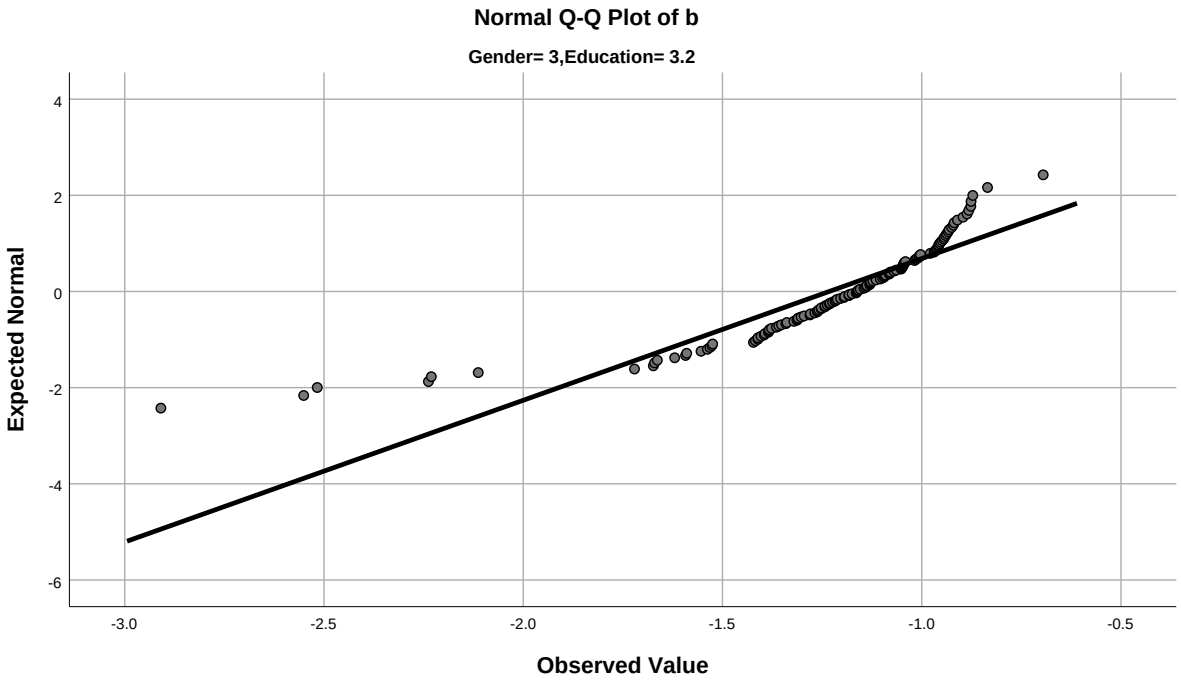

Normal Q-Q Plot of b
Gender= 2,Education= 3.1
Expected Normal
2
1
0
-1
-2
-3
-1.8
-1.6
-1.4
-1.2
-1.0
-0.8
Observed Value

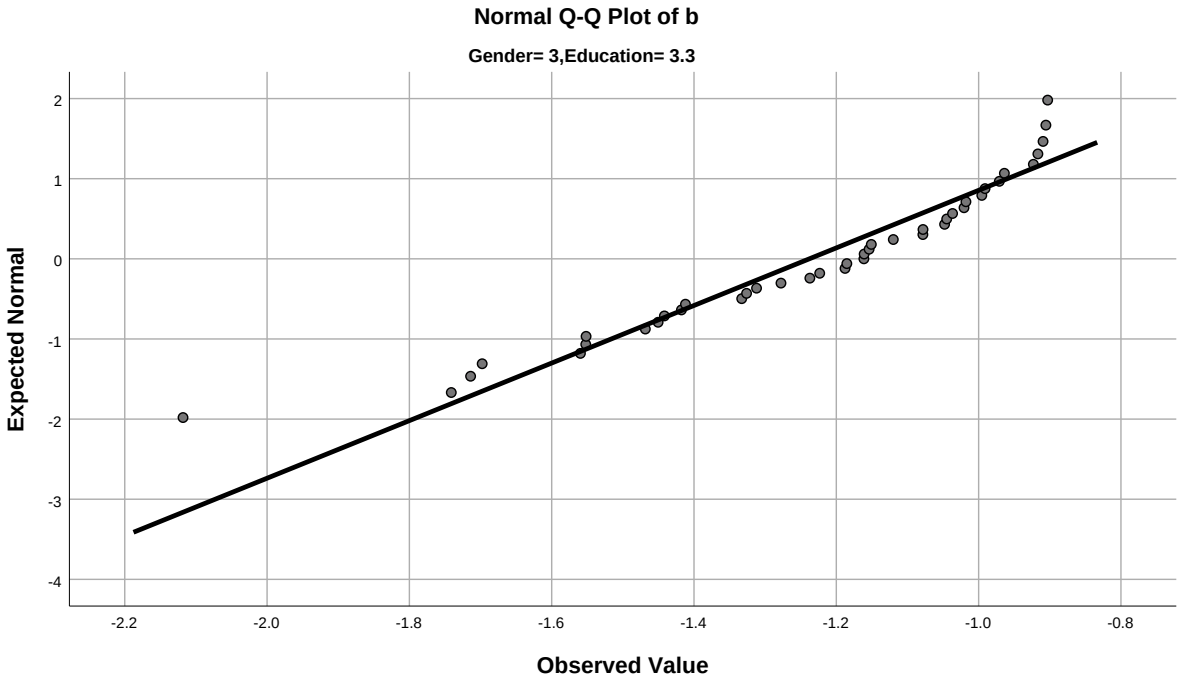

Normal Q-Q Plot of b
Gender= 2,Education= 3.2
Expected Normal
2
0
-2
-4
-2.5
-2.0
-1.5
-1.0
-0.5
Observed Value


Normal Q-Q Plot of b
Gender= 2,Education= 3.3
Expected Normal
2
0
-2
-4
-2.5
-2.0
-1.5
-1.0
-0.5
Observed Value

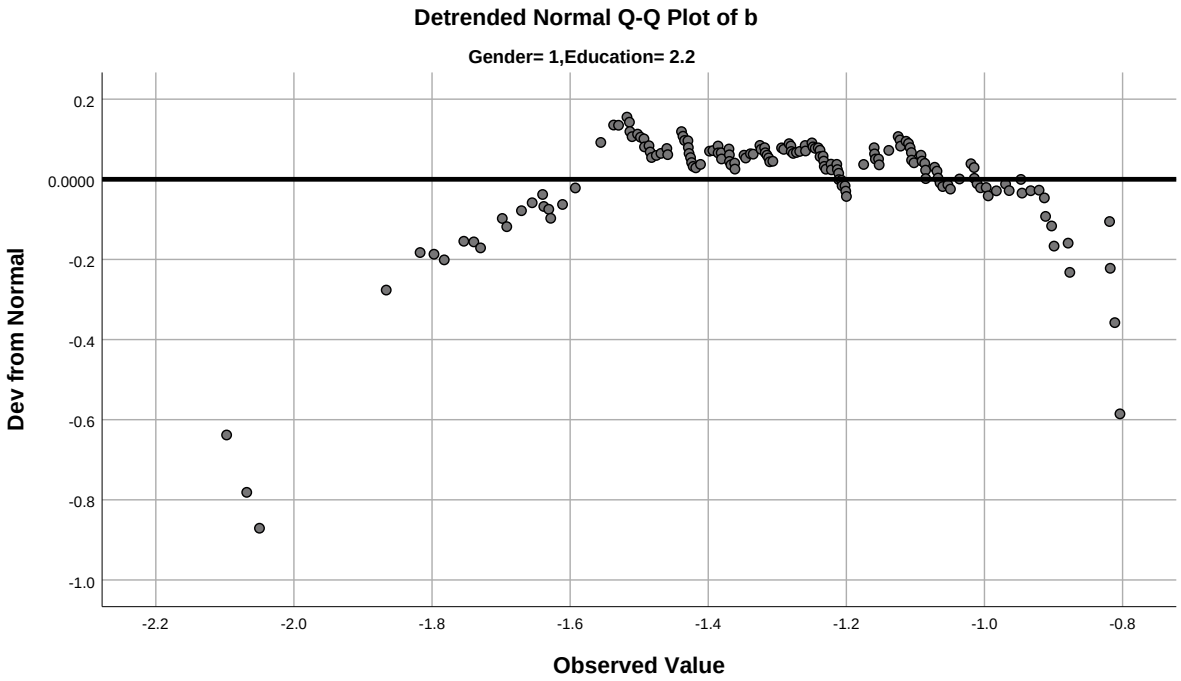

Normal Q-Q Plot of b
Gender= 3,Education= 2.2
Expected Normal
3
2
1
0
-1
-2
-3
-2.00
-1.75
-1.50
-1.25
-1.00
-0.75
Observed Value

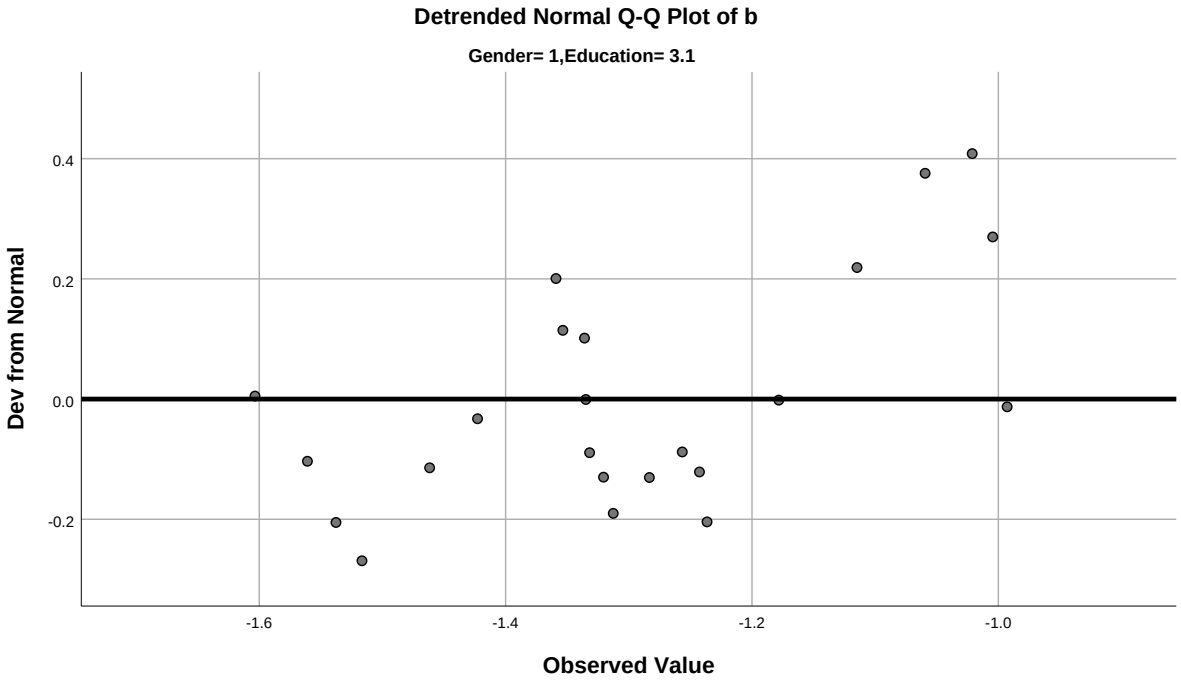

Normal Q-Q Plot of b
Gender= 3,Education= 3.1
Expected Normal
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-1.4
-1.3
-1.2
-1.1
-1.0
-0.9
-0.8
Observed Value

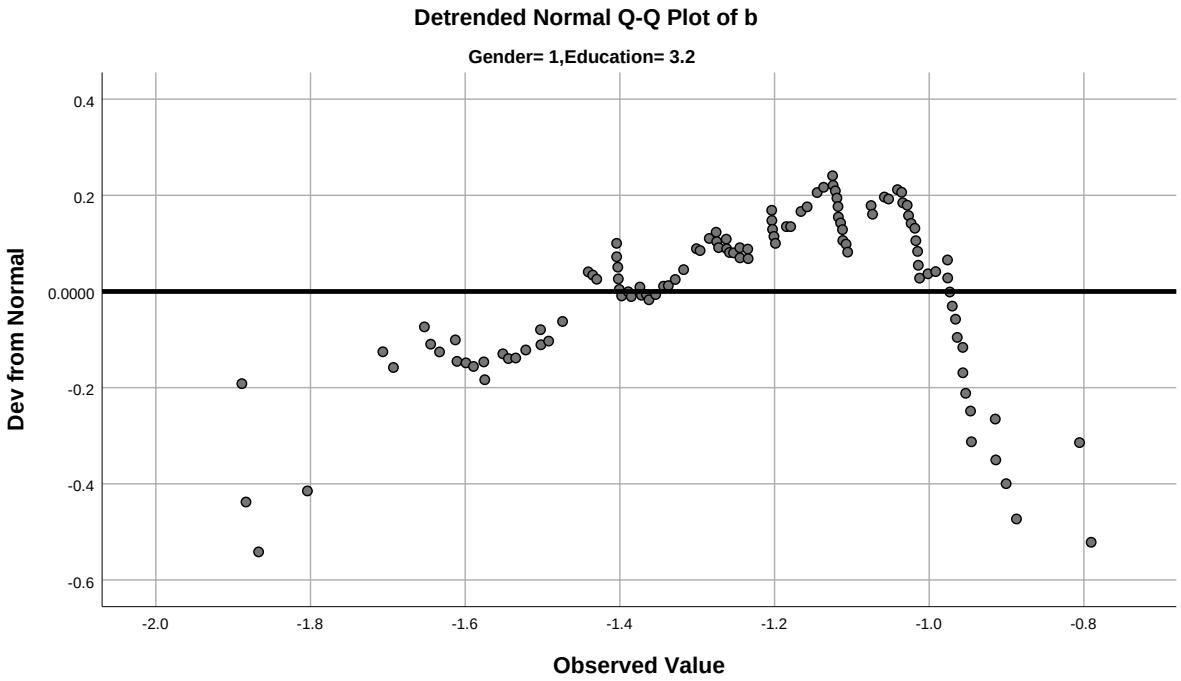


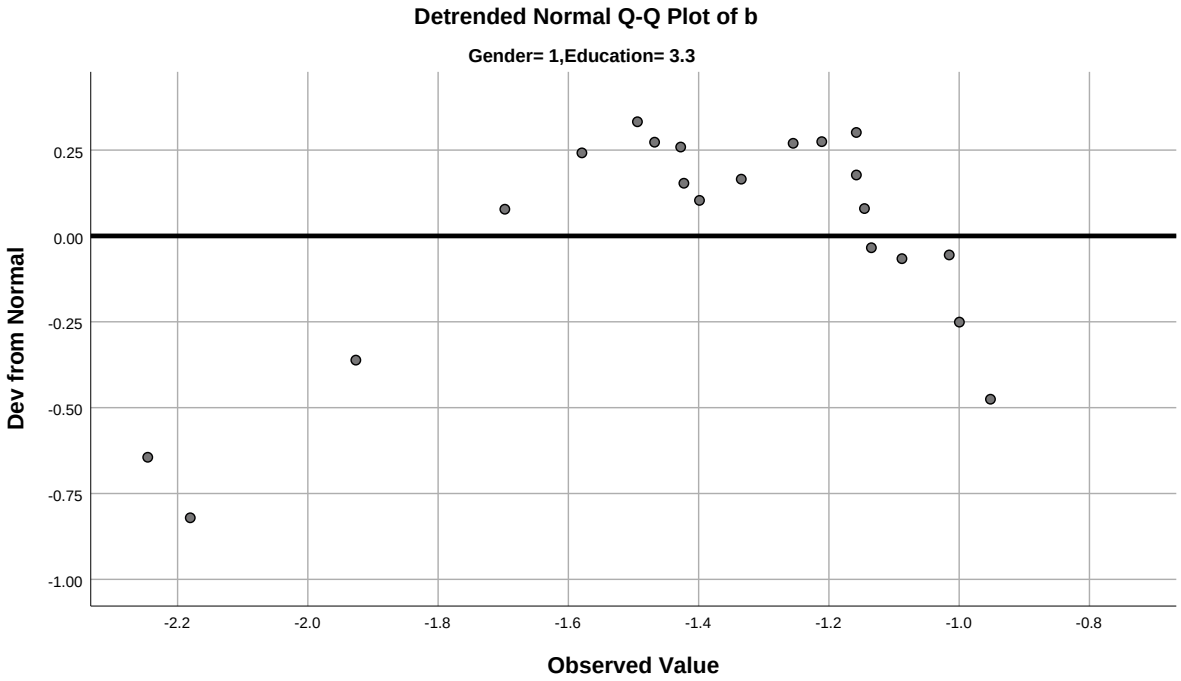


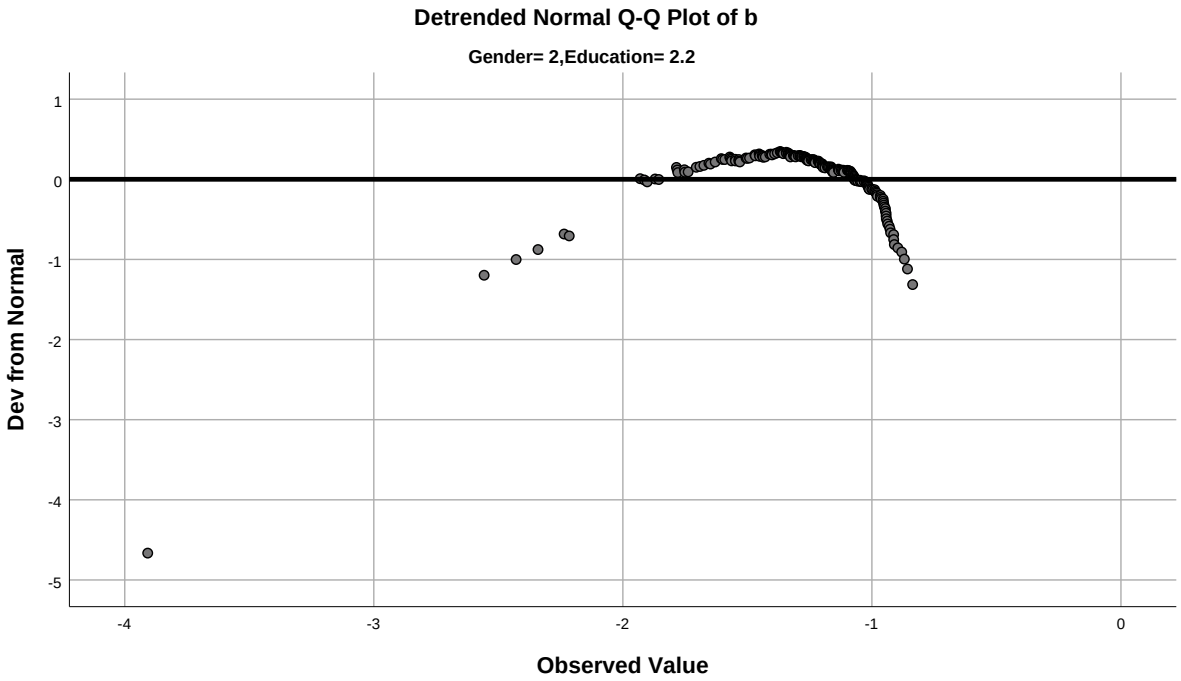
Detrended Normal Q-Q Plots

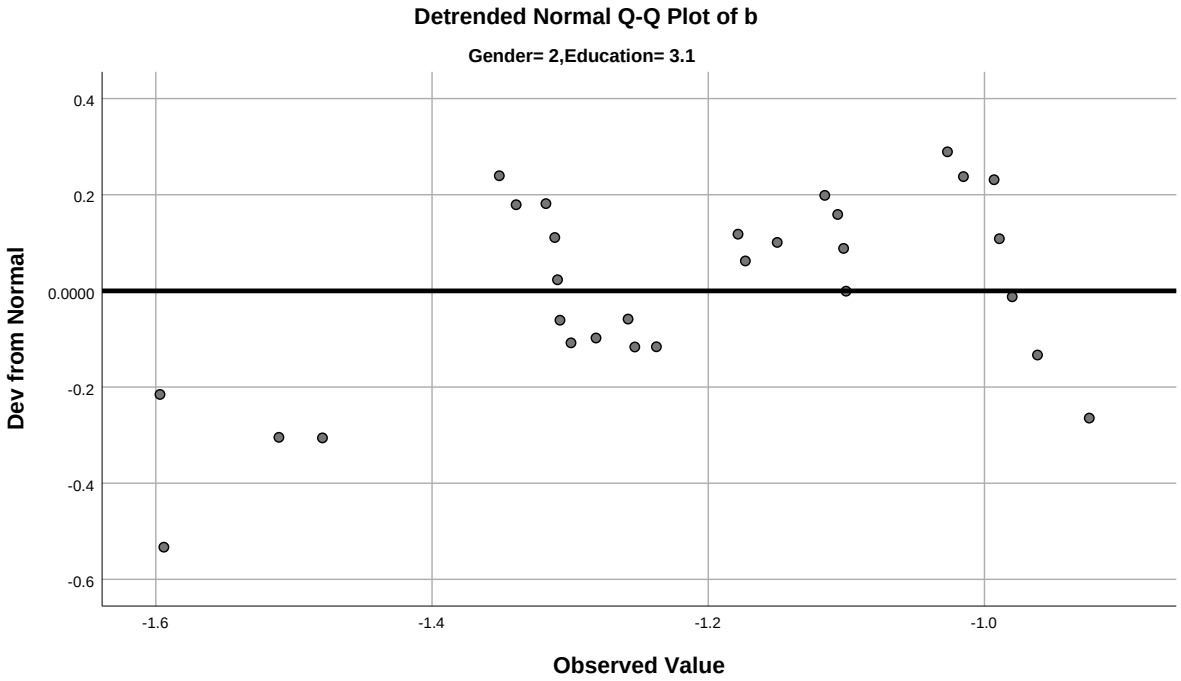

Detrended Normal Q-Q Plot of b
Gender= 1,Education= 2.2
Dev from Normal
0.2
0.0000
-0.2
-0.4
-0.6
-0.8
-1.0
-2.2
-2.0
-1.8
-1.6
-1.4
-1.2
-1.0
-0.8
Observed Value

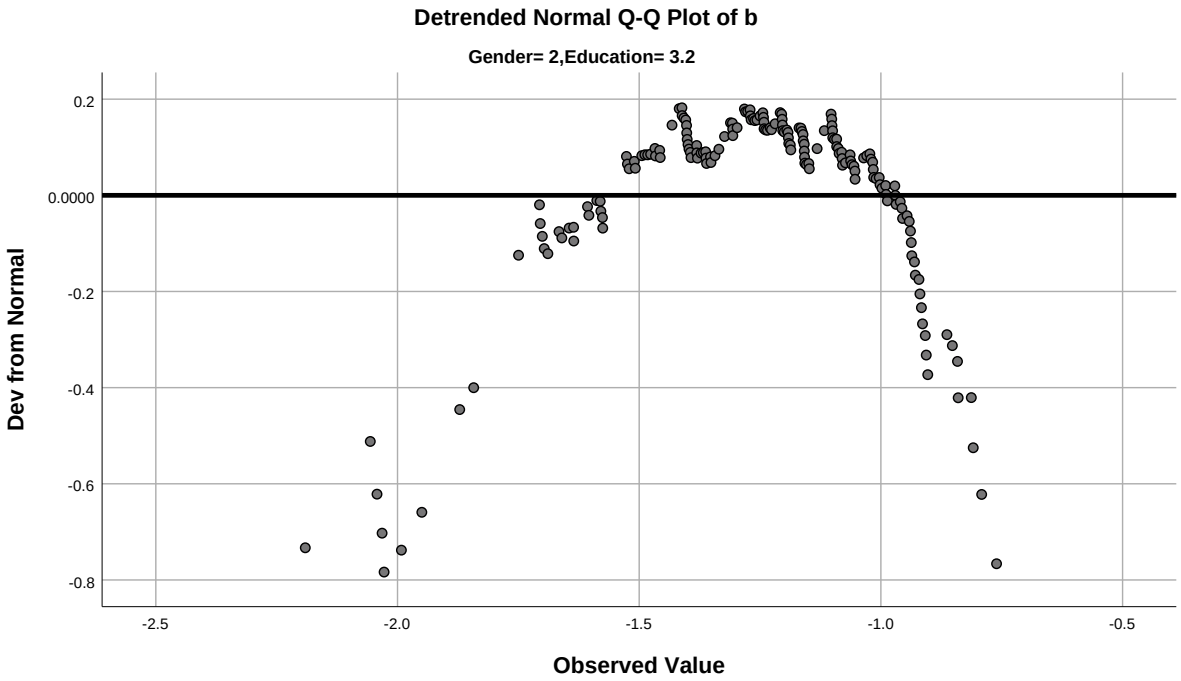

Detrended Normal Q-Q Plot of b
Gender= 1,Education= 3.1
Dev from Normal
0.4
0.2
0.0
-0.2
-1.6
-1.4
-1.2
-1.0
Observed Value

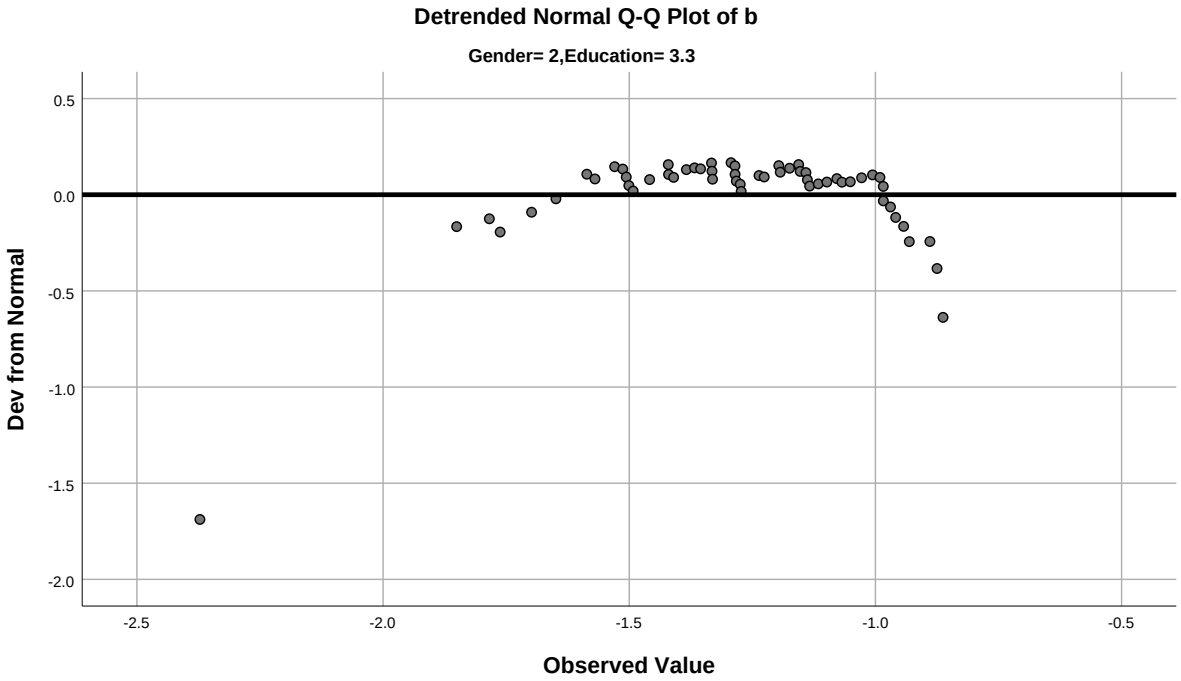

Detrended Normal Q-Q Plot of b
Gender= 1,Education= 3.2
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
-0.6
-2.0
-1.8
-1.6
-1.4
-1.2
-1.0
-0.8
Observed Value

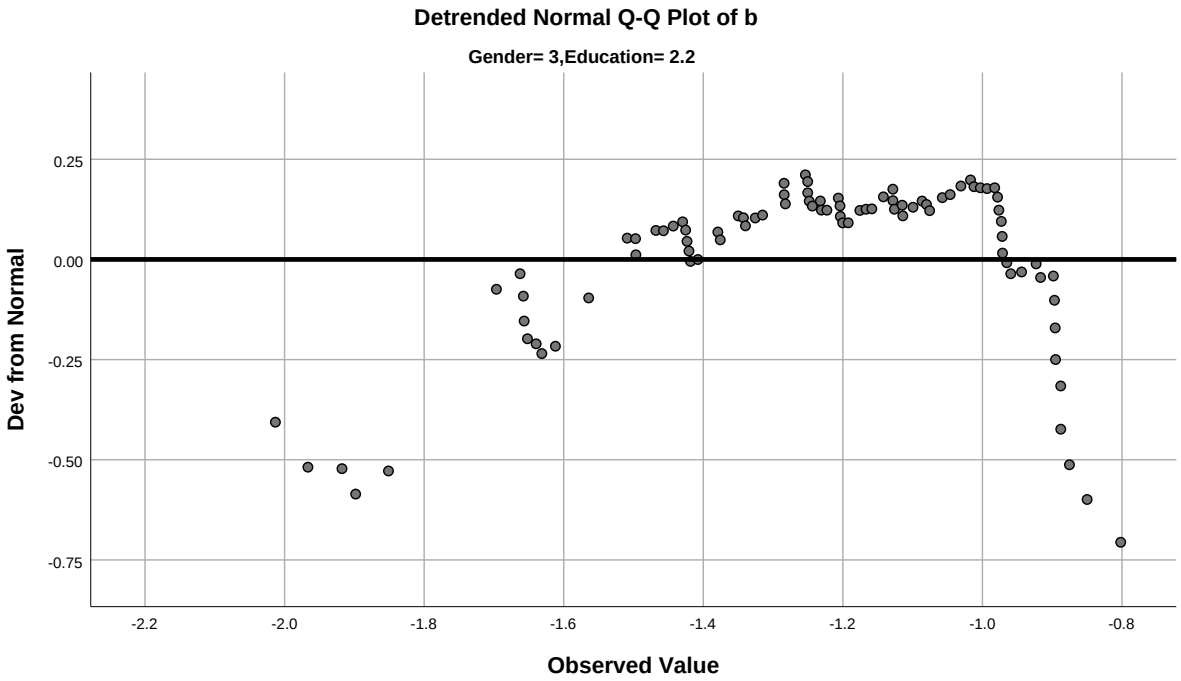

Detrended Normal Q-Q Plot of b
Gender= 1,Education= 3.3
Dev from Normal
0.25
0.00
-0.25
-0.50
-0.75
-1.00
-2.2
-2.0
-1.8
-1.6
-1.4
-1.2
-1.0
-0.8
Observed Value

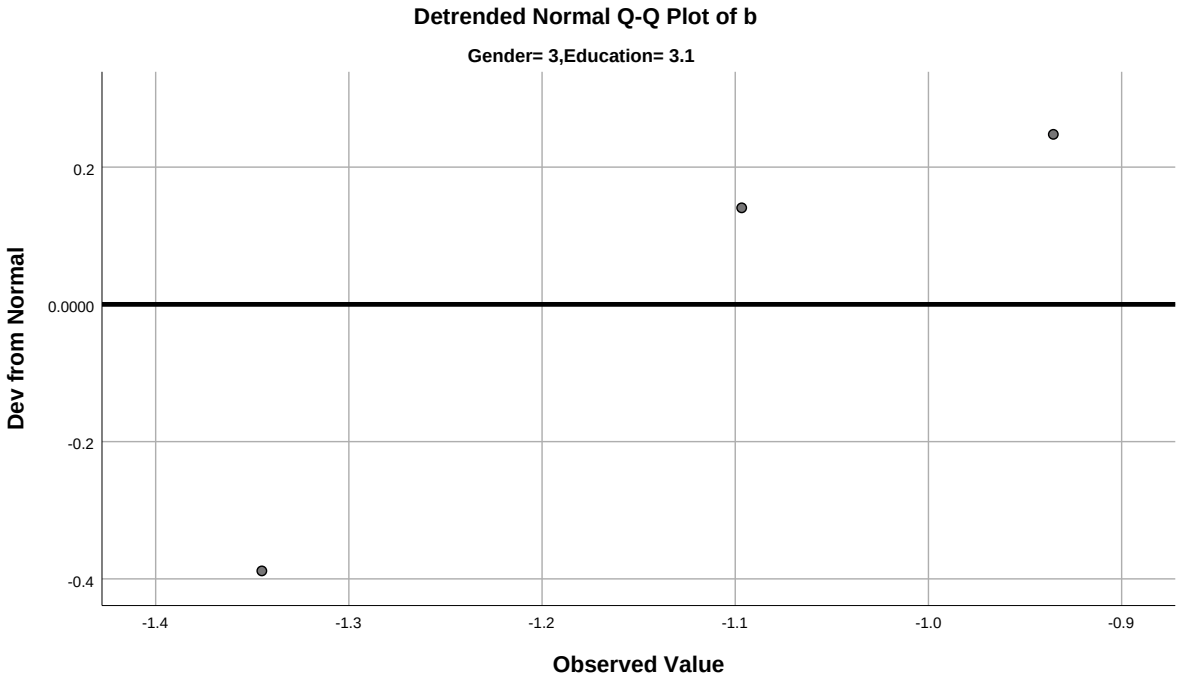

Detrended Normal Q-Q Plot of b
Gender= 2,Education= 2.2
Dev from Normal
1
0
-1
-2
-3
-4
-5
-4
-3
-2
-1
0
Observed Value

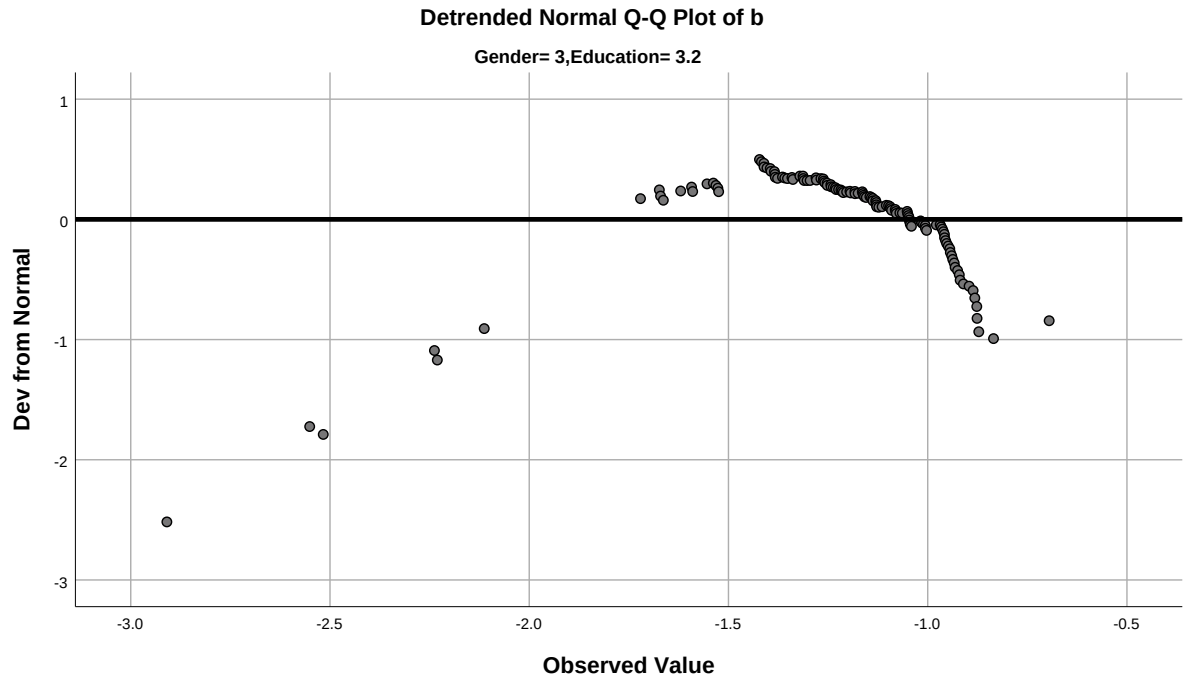

Detrended Normal Q-Q Plot of b
Gender= 2,Education= 3.1
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
-0.6
-1.6
-1.4
-1.2
-1.0
Observed Value

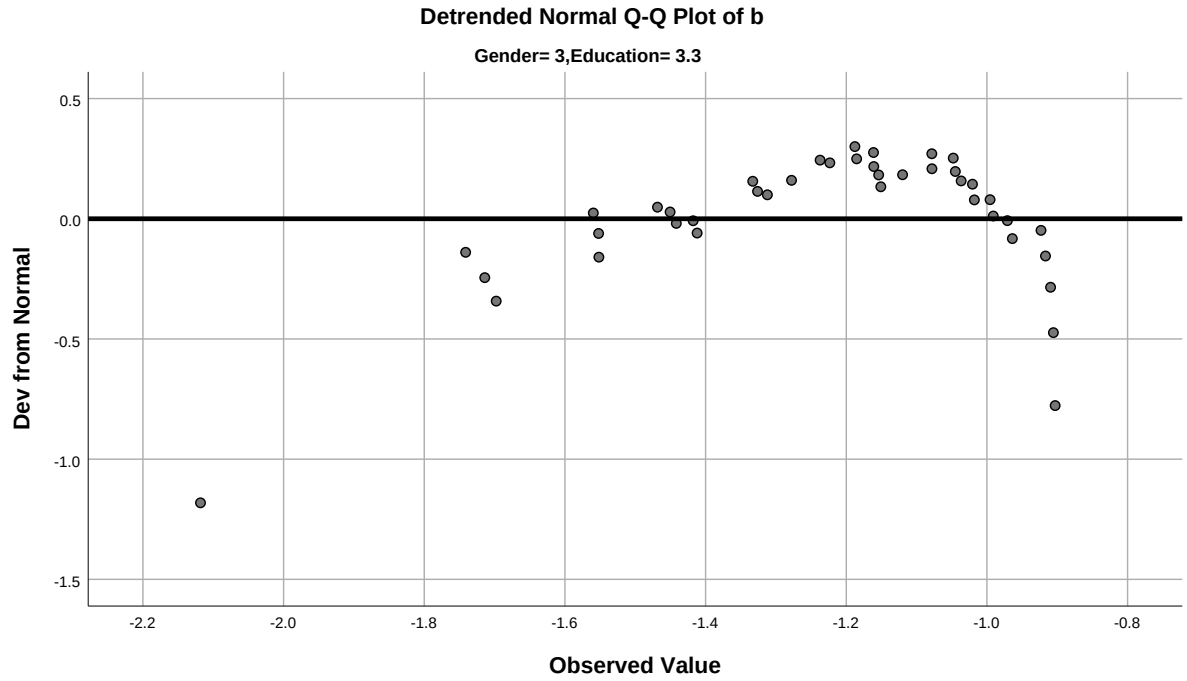

Detrended Normal Q-Q Plot of b
Gender= 2,Education= 3.2
Dev from Normal
0.2
0.0000
-0.2
-0.4
-0.6
-0.8
-2.5
-2.0
-1.5
-1.0
-0.5
Observed Value


Detrended Normal Q-Q Plot of b
Gender= 2,Education= 3.3
Dev from Normal
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
-2.0
-1.5
-1.0
-0.5
Observed Value

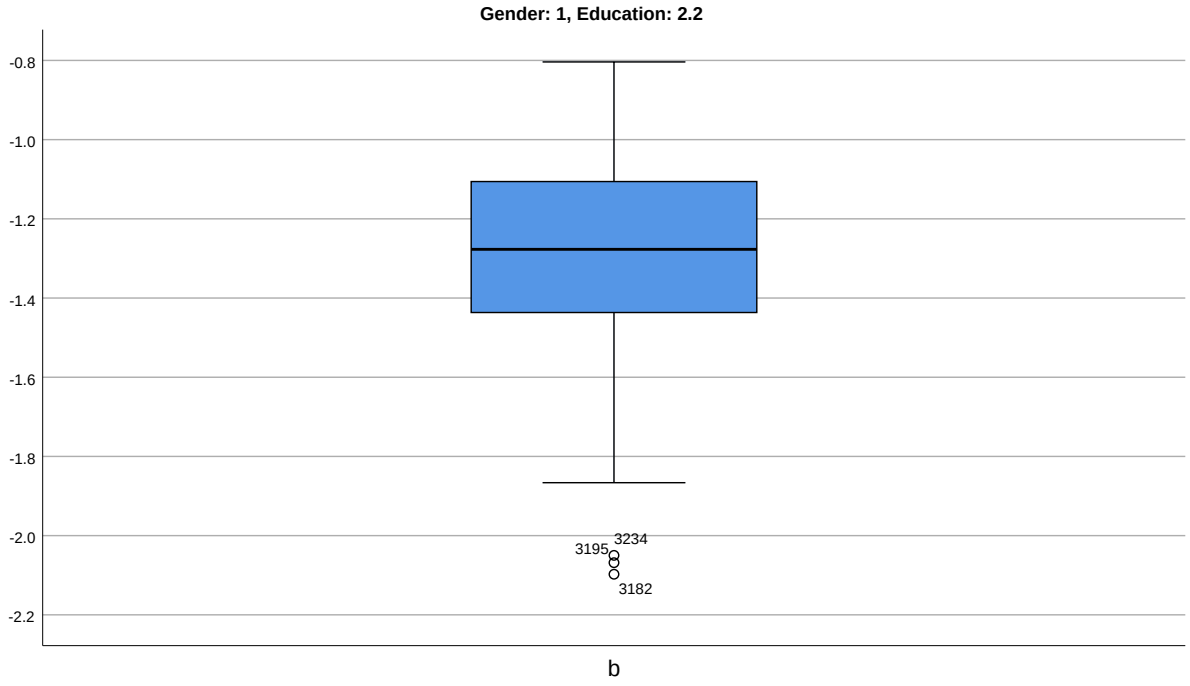

Detrended Normal Q-Q Plot of b
Gender= 3,Education= 2.2
Dev from Normal
0.25
0.00
-0.25
-0.50
-0.75
-2.2
-2.0
-1.8
-1.6
-1.4
-1.2
-1.0
-0.8
Observed Value

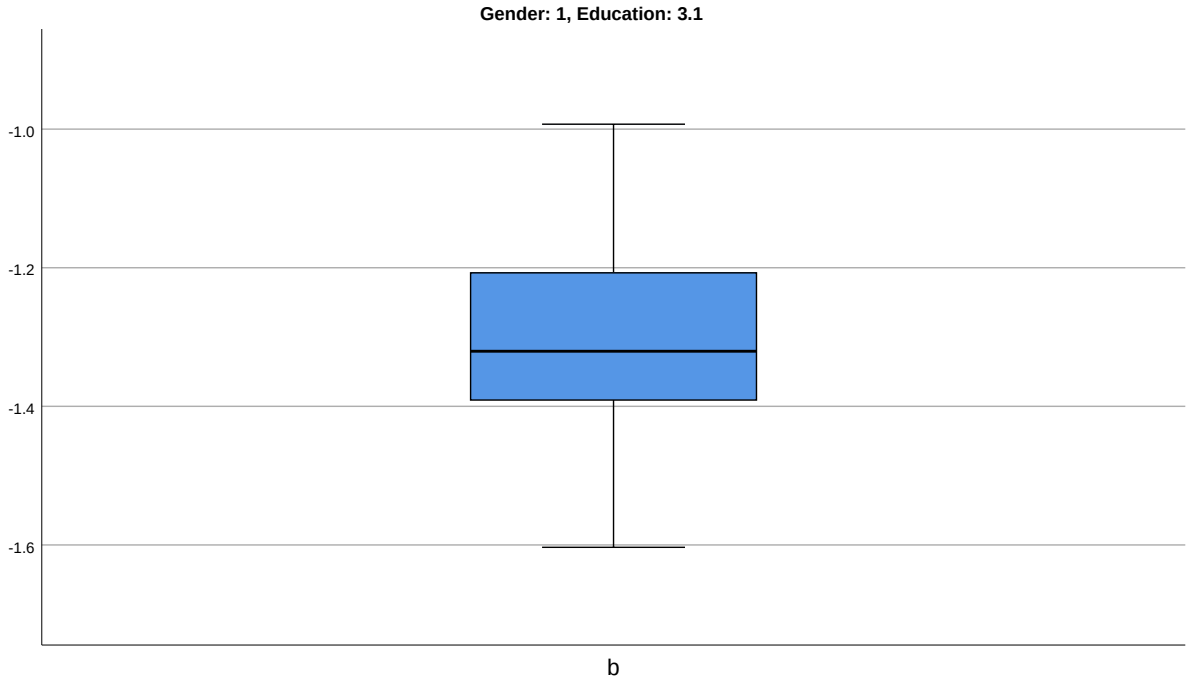

Detrended Normal Q-Q Plot of b
Gender= 3,Education= 3.1
Dev from Normal
0.2
0.0000
-0.2
-0.4
-1.4
-1.3
-1.2
-1.1
-1.0
-0.9
Observed Value

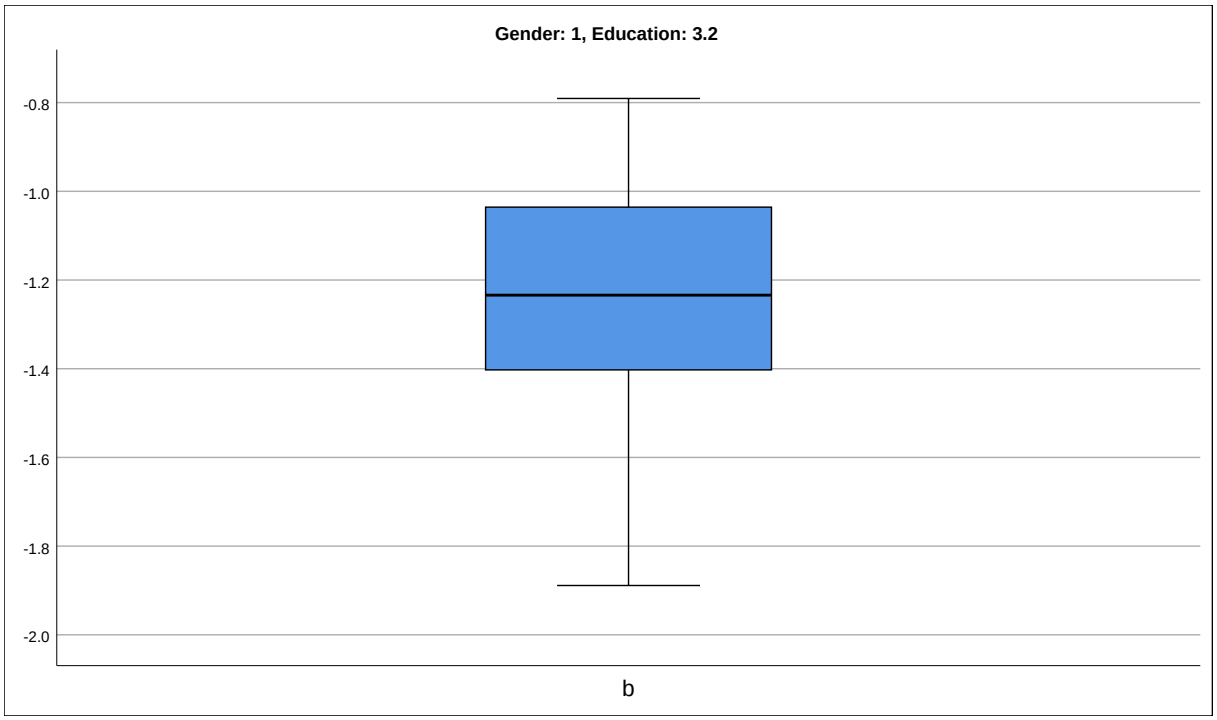

Detrended Normal Q-Q Plot of b
Gender= 3,Education= 3.2
Dev from Normal
1
0
-1
-2
-3
-3.0
-2.5
-2.0
-1.5
-1.0
-0.5
Observed Value

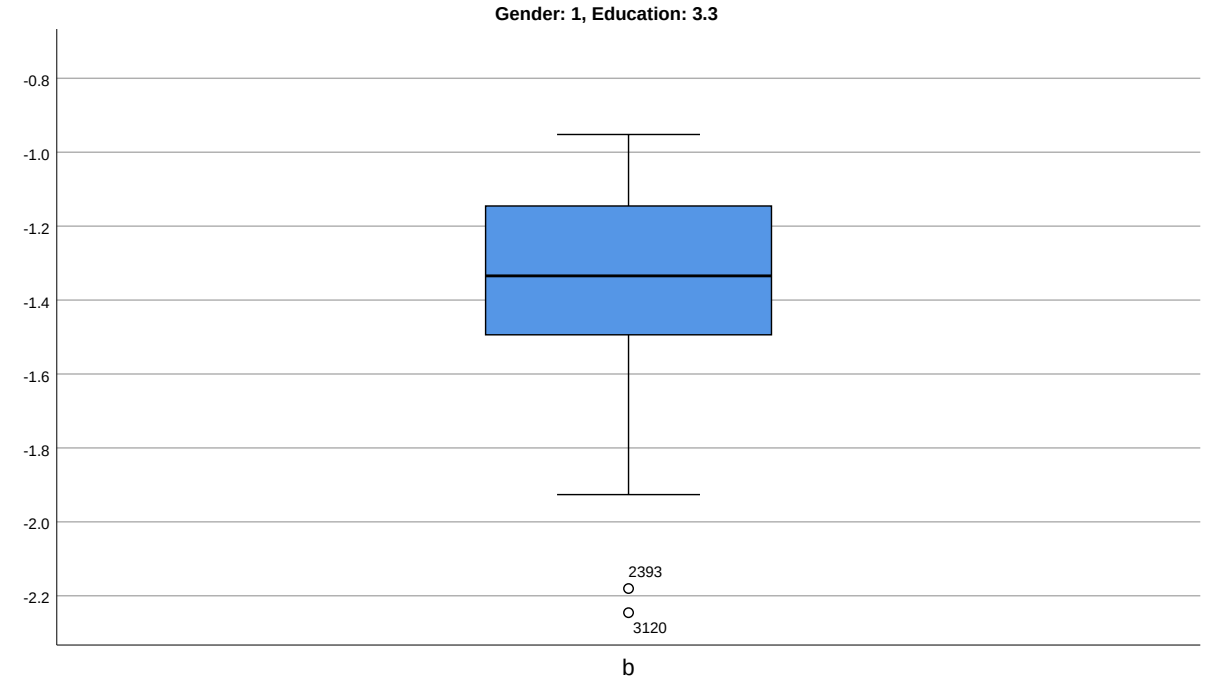

Detrended Normal Q-Q Plot of b
Gender= 3,Education= 3.3
Dev from Normal
0.5
0.0
-0.5
-1.0
-1.5
-2.2
-2.0
-1.8
-1.6
-1.4
-1.2
-1.0
-0.8
Observed Value

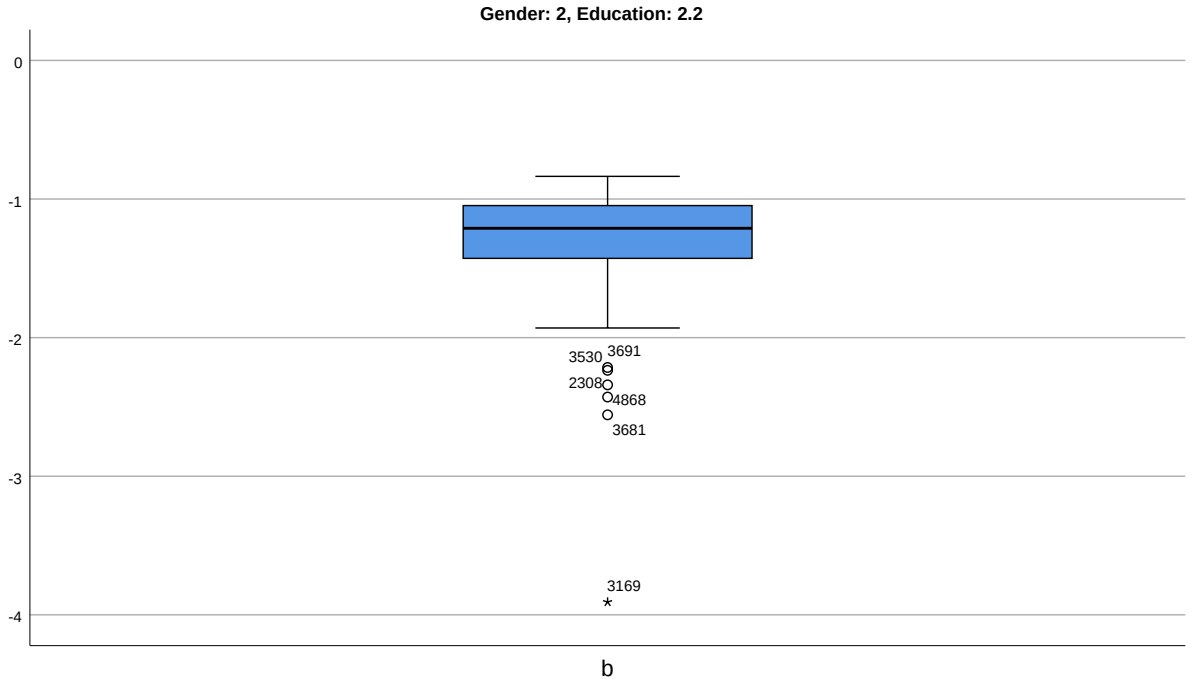
Boxplots

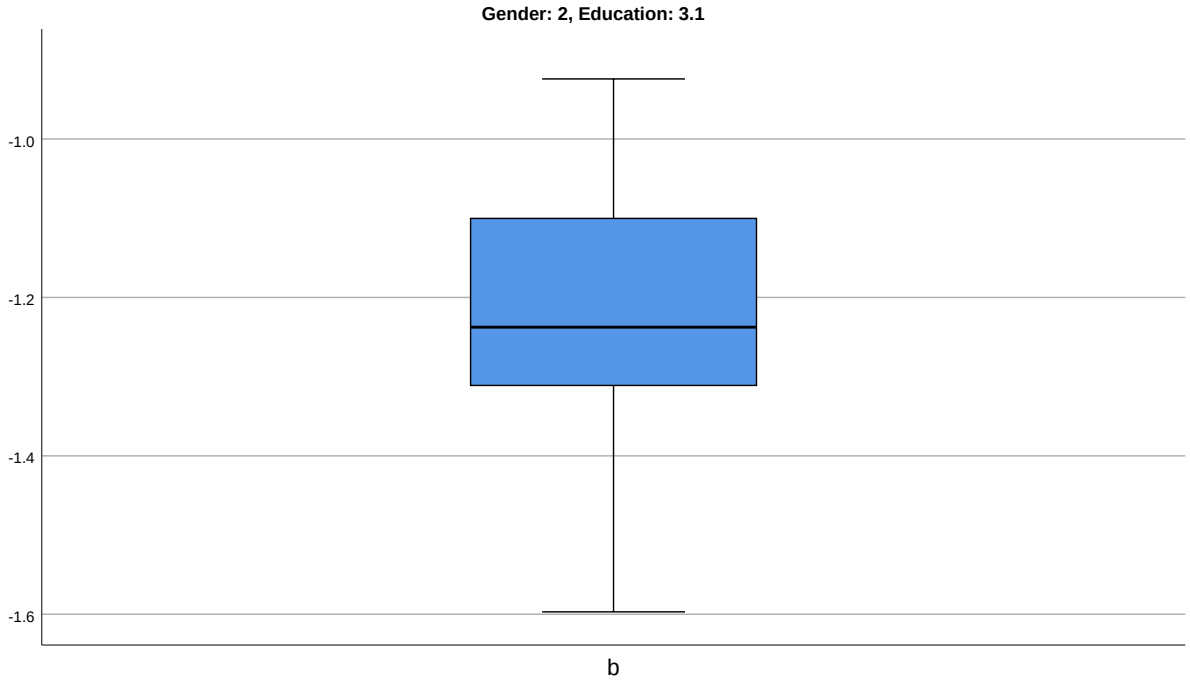

Gender: 1, Education: 2.2
-0.8
-1.0
-1.2
-1.4
-1.6
-1.8
-2.0
-2.2
3234
3195
3182
b


Gender: 1, Education: 3.1
-1.0
-1.2
-1.4
-1.6
b

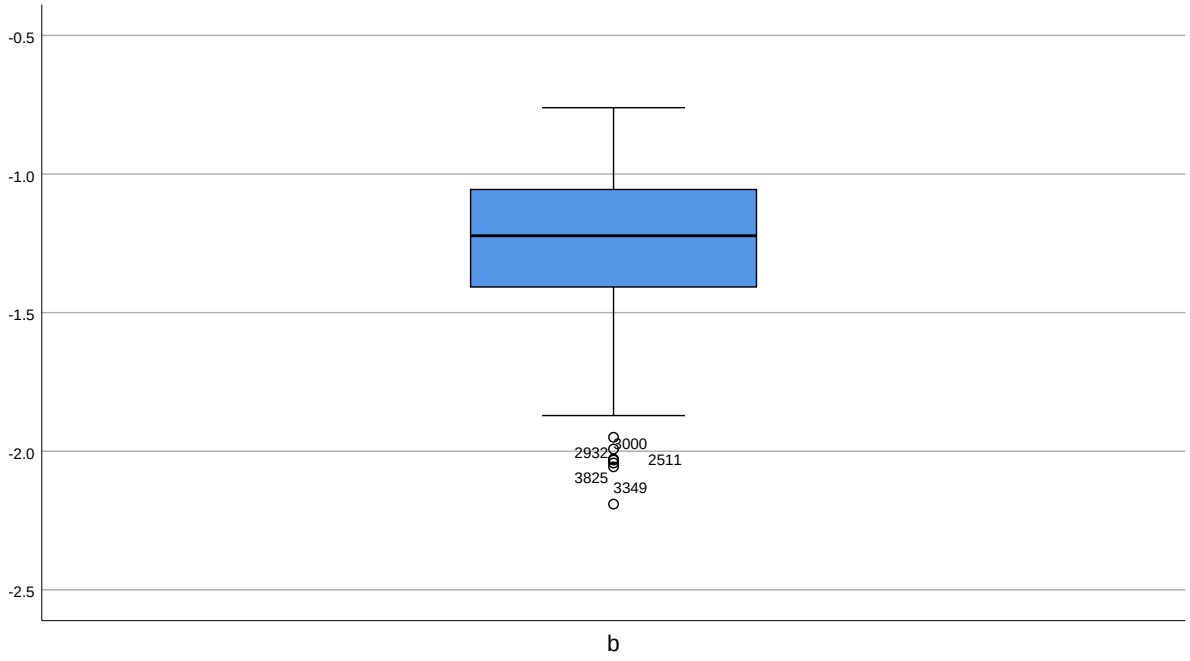

Gender: 1, Education: 3.2
-0.8
-1.0
-1.2
-1.4
-1.6
-1.8
-2.0
b


Gender: 1, Education: 3.3
-0.8
-1.0
-1.2
-1.4
-1.6
-1.8
-2.0
-2.2
2393
3120
b

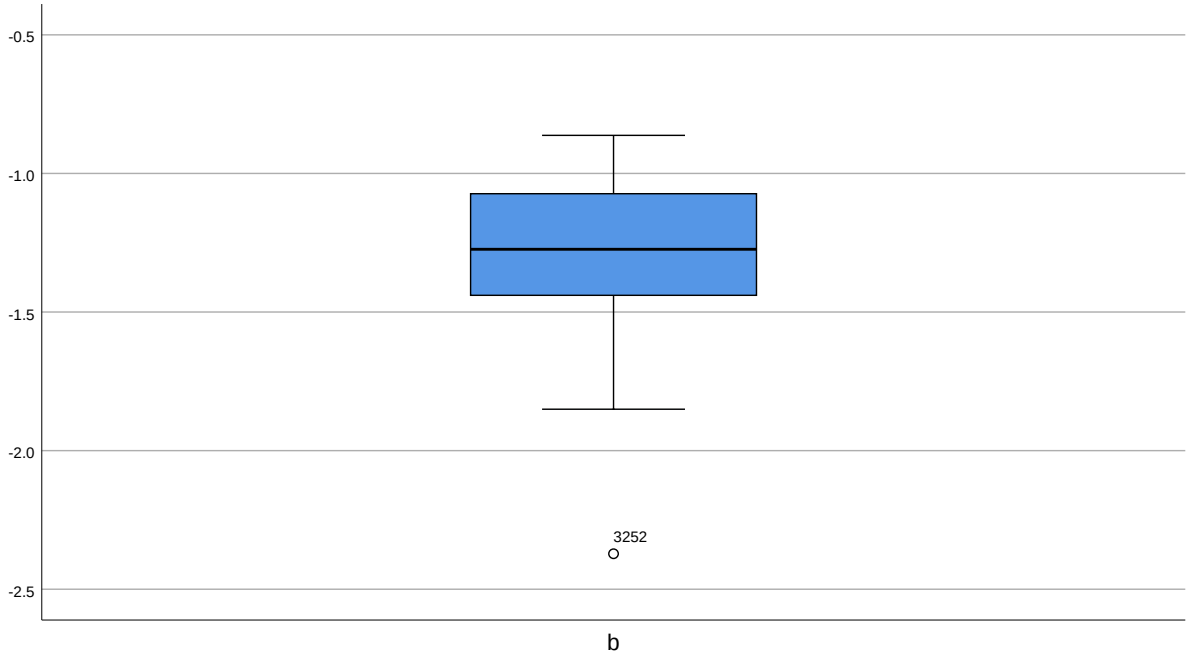

Gender: 2, Education: 2.2
0
-1
-2
-3
-4
3530
3691
2308
4868
3681
3169
b

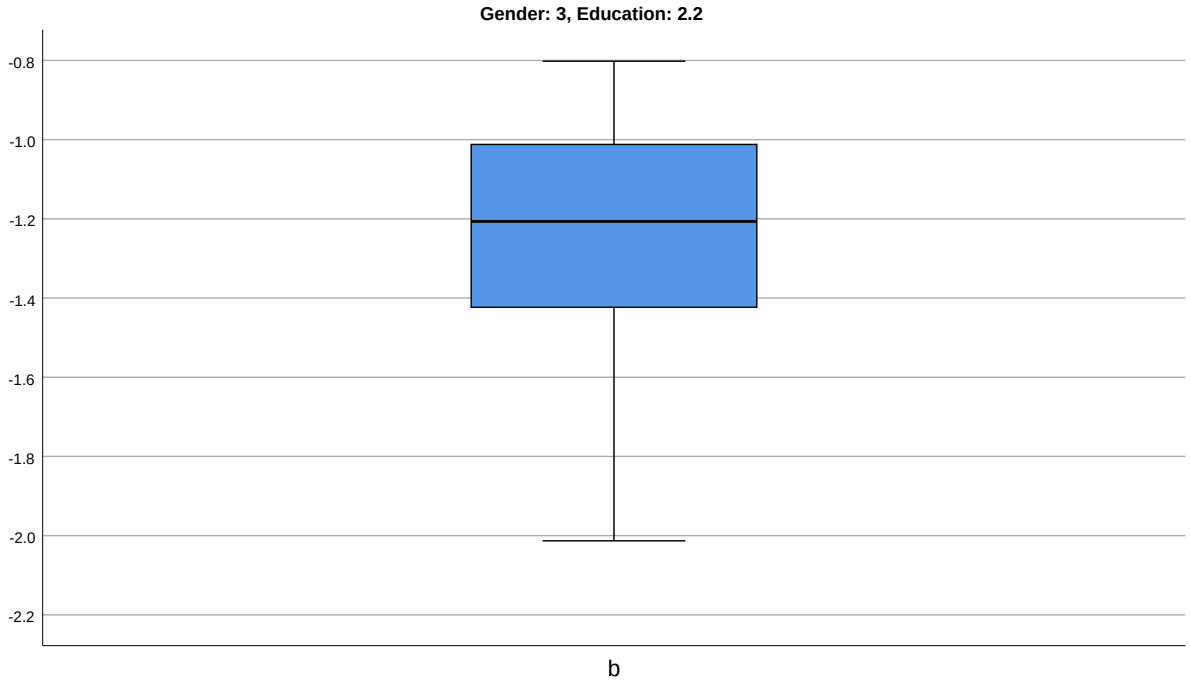

Gender: 2, Education: 3.1
-1.0
-1.2
-1.4
-1.6
b

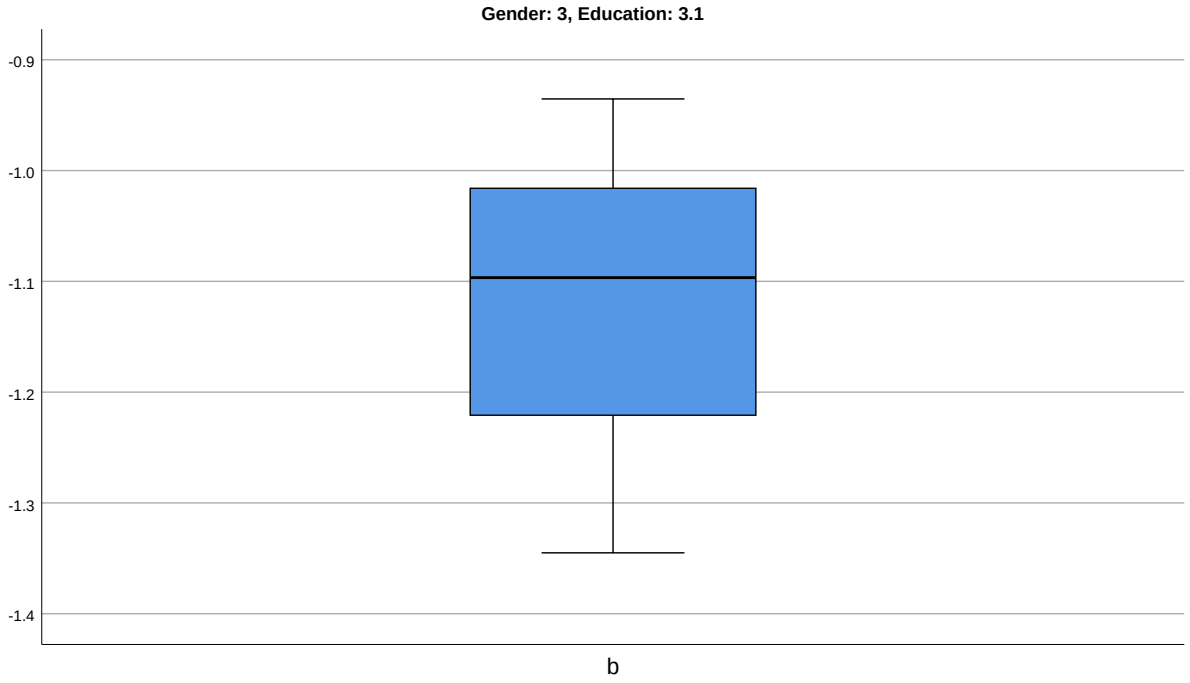
Gender: 2, Education: 3.2

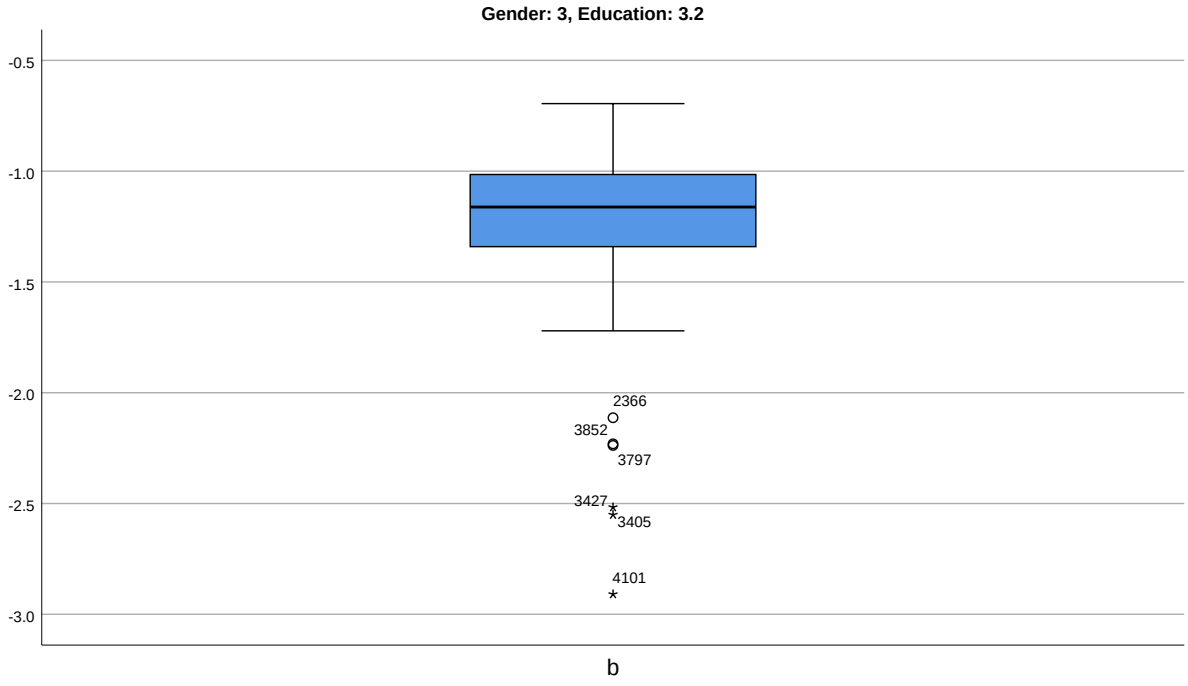


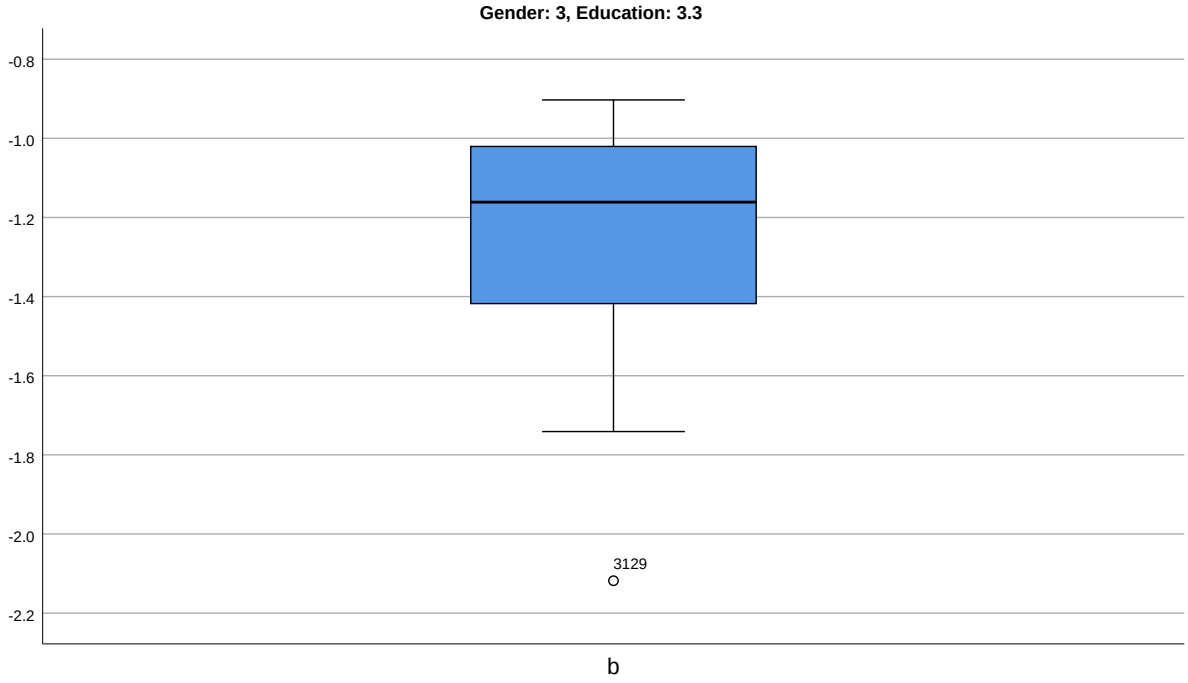
Gender: 2, Education: 3.3




Gender: 3, Education: 2.2
-0.8
-1.0
-1.2
-1.4
-1.6
-1.8
-2.0
-2.2
b


Gender: 3, Education: 3.1
-0.9
-1.0
-1.1
-1.2
-1.3
-1.4
b


Gender: 3, Education: 3.2
-0.5
-1.0
-1.5
-2.0
-2.5
-3.0
2366
3852
3797
3427
3405
4101
b


Gender: 3, Education: 3.3
-0.8
-1.0
-1.2
-1.4
-1.6
-1.8
-2.0
-2.2
3129
b