

GET

```
FILE='H:\Data\EuroFM2022\Op kantoor voor en tijdens covid.sav'.  
DATASET NAME DataSet1 WINDOW=FRONT.  
PLUM VisPriv_short BY Room_ord Visible_ord  
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING  
ULAR(1.0E-8)  
/LINK=CLOGLOG  
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

[DataSet1] H:\Data\EuroFM2022\Op kantoor voor en tijdens covid.sav

Case Processing Summary

		N	Marginal Percentage
Visual privacy	Dissatisfied	62	20,3%
	Neutral	85	27,9%
	Satisfied	158	51,8%
Room capacity	large	87	28,5%
	medium	83	27,2%
	small	135	44,3%
Visual openness	low quality (open)	74	24,3%
	medium	129	42,3%
	high quality (closed)	102	33,4%
Valid		305	100,0%
Missing		46	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	140,910			
Final	69,638	71,272	4	,000

Link function: Complementary Log-log.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	9,072	12	,697
Deviance	9,904	12	,624

Link function: Complementary Log-log.

Pseudo R-Square

Cox and Snell	,208
Nagelkerke	,239
McFadden	,114

Link function:

Complementary Log-log.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[VisPriv_short = 1,00]	-2,712	,250	118,176	1	,000
	[VisPriv_short = 2,00]	-1,524	,219	48,379	1	,000
Location	[Room_ord=1,00]	-1,384	,219	40,054	1	,000
	[Room_ord=2,00]	-,944	,225	17,595	1	,000
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Visible_ord=1,00]	-,839	,233	12,942	1	,000
	[Visible_ord=2,00]	-,429	,217	3,919	1	,048
	[Visible_ord=3,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[VisPriv_short = 1,00]	-3,201	-2,223
	[VisPriv_short = 2,00]	-1,953	-1,094
Location	[Room_ord=1,00]	-1,812	-,955
	[Room_ord=2,00]	-1,385	-,503
	[Room_ord=3,00]	.	.
	[Visible_ord=1,00]	-1,297	-,382
	[Visible_ord=2,00]	-,854	-,004
	[Visible_ord=3,00]	.	.

Link function: Complementary Log-log.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	69,638			
General	64,964	4,675	4	,322

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Complementary Log-log.

```
PLUM VisPriv_short BY Room_ord Backcover_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)
/Link=CLOGLOG
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Visual privacy	Dissatisfied	49	19,0%
	Neutral	61	23,6%
	Satisfied	148	57,4%
Room capacity	large	70	27,1%
	medium	63	24,4%
	small	125	48,4%
Back cover	No wall	95	36,8%
	Wall	163	63,2%
Valid		258	100,0%
Missing		93	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	110,238			
Final	56,997	53,242	3	,000

Link function: Complementary Log-log.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	15,370	7	,032
Deviance	16,842	7	,018

Link function: Complementary Log-log.

Pseudo R-Square

Cox and Snell	,186
Nagelkerke	,217
McFadden	,106

Link function:

Complementary Log-log.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[VisPriv_short = 1,00]	-2,488	,227	120,441	1	,000
	[VisPriv_short = 2,00]	-1,417	,190	55,744	1	,000
Location	[Room_ord=1,00]	-,978	,272	12,879	1	,000
	[Room_ord=2,00]	-,758	,260	8,494	1	,004
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Backcover_dich=1,00]	-,802	,230	12,115	1	,001
	[Backcover_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[VisPriv_short = 1,00]	-2,932	-2,044
	[VisPriv_short = 2,00]	-1,788	-1,045
Location	[Room_ord=1,00]	-1,512	-,444
	[Room_ord=2,00]	-1,268	-,248
	[Room_ord=3,00]	.	.
	[Backcover_dich=1,00]	-1,253	-,350
	[Backcover_dich=2,00]	.	.

Link function: Complementary Log-log.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	56,997			
General	47,657	9,340	3	,025

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Complementary Log-log.

* OMS.

DATASET DECLARE plum.

OMS

/SELECT TABLES

/IF COMMANDS=['PLUM'] SUBTYPES=['Parameter Estimates']

/DESTINATION FORMAT=SAV NUMBERED=TableNumber_

OUTFILE='plum' VIEWER=YES.

PLUM VisPriv_short BY Room_ord Visible_ord

/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING

ULAR(1.0E-8)

/LINK=CLOGLOG

/PRINT=FIT PARAMETER SUMMARY TPARALLEL.

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Visual privacy	Dissatisfied	62	20,3%
	Neutral	85	27,9%
	Satisfied	158	51,8%
Room capacity	large	87	28,5%
	medium	83	27,2%
	small	135	44,3%
Visual openness	low quality (open)	74	24,3%
	medium	129	42,3%
	high quality (closed)	102	33,4%
Valid		305	100,0%
Missing		46	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	140,910			
Final	69,638	71,272	4	,000

Link function: Complementary Log-log.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	9,072	12	,697
Deviance	9,904	12	,624

Link function: Complementary Log-log.

Pseudo R-Square

Cox and Snell	,208
Nagelkerke	,239
McFadden	,114

Link function:
Complementary Log-log.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[VisPriv_short = 1,00]	-2,712	,250	118,176	1	,000
	[VisPriv_short = 2,00]	-1,524	,219	48,379	1	,000
Location	[Room_ord=1,00]	-1,384	,219	40,054	1	,000
	[Room_ord=2,00]	-,944	,225	17,595	1	,000
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Visible_ord=1,00]	-,839	,233	12,942	1	,000
	[Visible_ord=2,00]	-,429	,217	3,919	1	,048
	[Visible_ord=3,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[VisPriv_short = 1,00]	-3,201	-2,223
	[VisPriv_short = 2,00]	-1,953	-1,094
Location	[Room_ord=1,00]	-1,812	-,955
	[Room_ord=2,00]	-1,385	-,503
	[Room_ord=3,00]	.	.
	[Visible_ord=1,00]	-1,297	-,382
	[Visible_ord=2,00]	-,854	-,004
	[Visible_ord=3,00]	.	.
	[Visible_ord=3,00]	.	.

Link function: Complementary Log-log.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	69,638			
General	64,964	4,675	4	,322

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Complementary Log-log.

* OMSEND.

OMSEND TAG=['\$Id1'].

DATASET ACTIVATE DataSet1.

DATASET CLOSE plum.

PLUM SndPriv_short BY Room_ord Soundproof_dich

/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)

/LINK=NLOGLOG

/PRINT=FIT PARAMETER SUMMARY TPARALLEL.

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Sound privacy	Dissatisfied	117	39,8%
	Neutral	98	33,3%
	Satisfied	79	26,9%
Room capacity	large	84	28,6%
	medium	78	26,5%
	small	132	44,9%
Soundproof	Not at all	74	25,2%
	Reasonable	220	74,8%
Valid		294	100,0%
Missing		57	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	109,012			
Final	63,412	45,600	3	,000

Link function: Negative Log-log.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	21,154	7	,004
Deviance	21,496	7	,003

Link function: Negative Log-log.

Pseudo R-Square

Cox and Snell	,144
Nagelkerke	,162
McFadden	,071

Link function: Negative Log-log.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[SndPriv_short = 1,00]	-,463	,107	18,820	1	,000
	[SndPriv_short = 2,00]	,695	,127	29,884	1	,000
Location	[Room_ord=1,00]	-,877	,221	15,720	1	,000
	[Room_ord=2,00]	-,493	,185	7,065	1	,008
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Soundproof_dich=1,00]	-,676	,231	8,602	1	,003
	[Soundproof_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[SndPriv_short = 1,00]	-,672	-,254
	[SndPriv_short = 2,00]	,446	,945
Location	[Room_ord=1,00]	-1,311	-,444
	[Room_ord=2,00]	-,856	-,129
	[Room_ord=3,00]	.	.
	[Soundproof_dich=1,00]	-1,129	-,224
	[Soundproof_dich=2,00]	.	.

Link function: Negative Log-log.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	63,412			
General	49,739	13,673	3	,003

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Negative Log-log.

```
PLUM SndPriv_short BY Room_ord Soundproof_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Sound privacy	Dissatisfied	117	39,8%
	Neutral	98	33,3%
	Satisfied	79	26,9%
Room capacity	large	84	28,6%
	medium	78	26,5%
	small	132	44,9%
Soundproof	Not at all	74	25,2%
	Reasonable	220	74,8%
Valid		294	100,0%
Missing		57	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	109,012			
Final	58,097	50,915	3	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	16,342	7	,022
Deviance	16,181	7	,024

Link function: Logit.

Pseudo R-Square

Cox and Snell	,159
Nagelkerke	,179
McFadden	,080

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[SndPriv_short = 1,00]	-1,350	,191	49,737	1	,000
	[SndPriv_short = 2,00]	,280	,171	2,688	1	,101
Location	[Room_ord=1,00]	-1,357	,304	19,957	1	,000
	[Room_ord=2,00]	-,949	,275	11,871	1	,001
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Soundproof_dich=1,00]	-,868	,297	8,563	1	,003
	[Soundproof_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[SndPriv_short = 1,00]	-1,725	-,975
	[SndPriv_short = 2,00]	-,055	,615
Location	[Room_ord=1,00]	-1,953	-,762
	[Room_ord=2,00]	-1,488	-,409
	[Room_ord=3,00]	.	.
	[Soundproof_dich=1,00]	-1,450	-,287
	[Soundproof_dich=2,00]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	58,097			
General	51,283	6,814	3	,078

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```
PLUM VisPriv_short BY Room_ord Visible_ord
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Visual privacy	Dissatisfied	62	20,3%
	Neutral	85	27,9%
	Satisfied	158	51,8%
Room capacity	large	87	28,5%
	medium	83	27,2%
	small	135	44,3%
Visual openness	low quality (open)	74	24,3%
	medium	129	42,3%
	high quality (closed)	102	33,4%
Valid		305	100,0%
Missing		46	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	140,910			
Final	67,913	72,997	4	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	7,735	12	,805
Deviance	8,178	12	,771

Link function: Logit.

Pseudo R-Square

Cox and Snell	,213
Nagelkerke	,245
McFadden	,117

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[VisPriv_short = 1,00]	-3,045	,307	98,446	1	,000
	[VisPriv_short = 2,00]	-1,470	,263	31,248	1	,000
Location	[Room_ord=1,00]	-1,838	,296	38,544	1	,000
	[Room_ord=2,00]	-1,230	,287	18,417	1	,000
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Visible_ord=1,00]	-1,181	,322	13,423	1	,000
	[Visible_ord=2,00]	-,591	,279	4,481	1	,034
	[Visible_ord=3,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[VisPriv_short = 1,00]	-3,647	-2,444
	[VisPriv_short = 2,00]	-1,985	-,955
Location	[Room_ord=1,00]	-2,418	-1,258
	[Room_ord=2,00]	-1,791	-,668
	[Room_ord=3,00]	.	.
	[Visible_ord=1,00]	-1,812	-,549
	[Visible_ord=2,00]	-1,138	-,044
	[Visible_ord=3,00]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	67,913			
General	66,068	1,844	4	,764

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```
PLUM Pspace_short BY Room_ord Centrality_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=CLOGLOG
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Personal space	Dissatisfied	51	16,7%
	Neutral	85	27,8%
	Satisfied	170	55,6%
Room capacity	large	88	28,8%
	medium	83	27,1%
	small	135	44,1%
Centrality	Central	190	62,1%
	Isolated	116	37,9%
Valid		306	100,0%
Missing		45	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	78,835			
Final	49,486	29,349	3	,000

Link function: Complementary Log-log.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	3,759	7	,807
Deviance	4,267	7	,749

Link function: Complementary Log-log.

Pseudo R-Square

Cox and Snell	,091
Nagelkerke	,106
McFadden	,049

Link function:
Complementary Log-log.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Pspace_short = 1,00]	-2,507	,244	105,874	1	,000
	[Pspace_short = 2,00]	-1,290	,210	37,612	1	,000
Location	[Room_ord=1,00]	-1,086	,209	26,889	1	,000
	[Room_ord=2,00]	-,609	,225	7,314	1	,007
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Centrality_dich=1,00]	-,394	,184	4,563	1	,033
	[Centrality_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Pspace_short = 1,00]	-2,985	-2,030
	[Pspace_short = 2,00]	-1,702	-,878
Location	[Room_ord=1,00]	-1,497	-,676
	[Room_ord=2,00]	-1,051	-,168
	[Room_ord=3,00]	.	.
	[Centrality_dich=1,00]	-,756	-,033
	[Centrality_dich=2,00]	.	.

Link function: Complementary Log-log.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	49,486			
General	46,358	3,127	3	,372

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Complementary Log-log.

```
PLUM Pspace_short BY Room_ord Centrality_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Personal space	Dissatisfied	51	16,7%
	Neutral	85	27,8%
	Satisfied	170	55,6%
Room capacity	large	88	28,8%
	medium	83	27,1%
	small	135	44,1%
Centrality	Central	190	62,1%
	Isolated	116	37,9%
Valid		306	100,0%
Missing		45	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	78,835			
Final	47,403	31,431	3	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	1,919	7	,964
Deviance	2,185	7	,949

Link function: Logit.

Pseudo R-Square

Cox and Snell	,098
Nagelkerke	,114
McFadden	,052

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Pspace_short = 1,00]	-2,703	,297	82,864	1	,000
	[Pspace_short = 2,00]	-1,201	,259	21,494	1	,000
Location	[Room_ord=1,00]	-1,473	,279	27,791	1	,000
	[Room_ord=2,00]	-,805	,284	8,040	1	,005
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Centrality_dich=1,00]	-,528	,241	4,784	1	,029
	[Centrality_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Pspace_short = 1,00]	-3,285	-2,121
	[Pspace_short = 2,00]	-1,709	-,693
Location	[Room_ord=1,00]	-2,020	-,925
	[Room_ord=2,00]	-1,361	-,249
	[Room_ord=3,00]	.	.
	[Centrality_dich=1,00]	-1,001	-,055
	[Centrality_dich=2,00]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	47,403			
General	46,346	1,057	3	,787

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```
PLUM Noise_short BY Room_ord Soundproof_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Noise	Dissatisfied	83	28,1%
	Neutral	94	31,9%
	Satisfied	118	40,0%
Room capacity	large	84	28,5%
	medium	78	26,4%
	small	133	45,1%
Soundproof	Not at all	75	25,4%
	Reasonable	220	74,6%
Valid		295	100,0%
Missing		56	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	99,597			
Final	58,782	40,815	3	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	14,141	7	,049
Deviance	14,679	7	,040

Link function: Logit.

Pseudo R-Square

Cox and Snell	,129
Nagelkerke	,146
McFadden	,064

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Noise_short = 1,00]	-1,790	,204	76,855	1	,000
	[Noise_short = 2,00]	-,282	,173	2,664	1	,103
Location	[Room_ord=1,00]	-1,524	,299	25,963	1	,000
	[Room_ord=2,00]	-,922	,274	11,304	1	,001
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Soundproof_dich=1,00]	-,268	,278	,931	1	,334
	[Soundproof_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Noise_short = 1,00]	-2,190	-1,390
	[Noise_short = 2,00]	-,621	,057
Location	[Room_ord=1,00]	-2,111	-,938
	[Room_ord=2,00]	-1,459	-,384
	[Room_ord=3,00]	.	.
	[Soundproof_dich=1,00]	-,813	,276
	[Soundproof_dich=2,00]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	58,782			
General	56,641	2,141	3	,544

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```
PLUM Noise_short BY Room_ord Soundproof_ord
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Warnings

There are 2 (7,4%) cells (i.e., dependent variable levels by observed combinations of predictor variable values) with zero frequencies.

Case Processing Summary

		N	Marginal Percentage
Noise	Dissatisfied	83	28,1%
	Neutral	94	31,9%
	Satisfied	118	40,0%
Room capacity	large	84	28,5%
	medium	78	26,4%
	small	133	45,1%
Soundproof	low	75	25,4%
	medium	184	62,4%
	high	36	12,2%
Valid		295	100,0%
Missing		56	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	120,288			
Final	78,037	42,250	4	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	21,475	12	,044
Deviance	25,153	12	,014

Link function: Logit.

Pseudo R-Square

Cox and Snell	,133
Nagelkerke	,151
McFadden	,066

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Noise_short = 1,00]	-2,137	,366	34,046	1	,000
	[Noise_short = 2,00]	-,625	,345	3,282	1	,070
Location	[Room_ord=1,00]	-1,514	,299	25,600	1	,000
	[Room_ord=2,00]	-,906	,274	10,894	1	,001
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Soundproof_ord=1,00]	-,624	,412	2,296	1	,130
	[Soundproof_ord=2,00]	-,418	,357	1,371	1	,242
	[Soundproof_ord=3,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Noise_short = 1,00]	-2,855	-1,419
	[Noise_short = 2,00]	-1,301	,051
Location	[Room_ord=1,00]	-2,101	-,928
	[Room_ord=2,00]	-1,444	-,368
	[Room_ord=3,00]	.	.
	[Soundproof_ord=1,00]	-1,431	,183
	[Soundproof_ord=2,00]	-1,118	,282
	[Soundproof_ord=3,00]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	78,037			
General	75,946	2,091	4	,719

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```
PLUM Noise_short BY Room_ord Soundproof_dich Floor_dich Centrality_dich
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
  ULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Warnings

There are 10 (14,5%) cells (i.e., dependent variable levels by observed combinations of predictor variable values) with zero frequencies.

Case Processing Summary

		N	Marginal Percentage
Noise	Dissatisfied	76	28,0%
	Neutral	88	32,5%
	Satisfied	107	39,5%
Room capacity	large	77	28,4%
	medium	70	25,8%
	small	124	45,8%
Soundproof	Not at all	67	24,7%
	Reasonable	204	75,3%
Flooring	Medium/hard	69	25,5%
	Soft	202	74,5%
Centrality	Central	168	62,0%
	Isolated	103	38,0%
Valid		271	100,0%
Missing		80	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	190,234			
Final	140,767	49,468	5	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	50,009	39	,111
Deviance	53,881	39	,057

Link function: Logit.

Pseudo R-Square

Cox and Snell	,167
Nagelkerke	,188
McFadden	,084

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Noise_short = 1,00]	-2,233	,286	60,749	1	,000
	[Noise_short = 2,00]	-,639	,251	6,451	1	,011
Location	[Room_ord=1,00]	-1,617	,318	25,841	1	,000
	[Room_ord=2,00]	-1,184	,294	16,183	1	,000
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Soundproof_dich=1,00]	-,223	,298	,560	1	,454
	[Soundproof_dich=2,00]	0 ^a	.	.	0	.
	[Floor_dich=1,00]	-,528	,273	3,745	1	,053
	[Floor_dich=2,00]	0 ^a	.	.	0	.
	[Centrality_dich=1,00]	-,310	,242	1,635	1	,201
	[Centrality_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Noise_short = 1,00]	-2,794	-1,671
	[Noise_short = 2,00]	-1,132	-,146
Location	[Room_ord=1,00]	-2,240	-,993
	[Room_ord=2,00]	-1,761	-,607
	[Room_ord=3,00]	.	.
	[Soundproof_dich=1,00]	-,808	,362
	[Soundproof_dich=2,00]	.	.
	[Floor_dich=1,00]	-1,062	,007
	[Floor_dich=2,00]	.	.
	[Centrality_dich=1,00]	-,785	,165
	[Centrality_dich=2,00]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	140,767			
General	136,887	3,880	5	,567

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```
PLUM Noise_short BY Room_ord Floor_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Noise	Dissatisfied	82	28,5%
	Neutral	93	32,3%
	Satisfied	113	39,2%
Room capacity	large	81	28,1%
	medium	76	26,4%
	small	131	45,5%
Flooring	Medium/hard	77	26,7%
	Soft	211	73,3%
Valid		288	100,0%
Missing		63	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	92,391			
Final	49,648	42,743	3	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	4,148	7	,763
Deviance	4,180	7	,759

Link function: Logit.

Pseudo R-Square

Cox and Snell	,138
Nagelkerke	,156
McFadden	,068

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Noise_short = 1,00]	-1,867	,215	75,317	1	,000
	[Noise_short = 2,00]	-,331	,182	3,295	1	,069
Location	[Room_ord=1,00]	-1,606	,280	32,764	1	,000
	[Room_ord=2,00]	-,942	,274	11,830	1	,001
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Floor_dich=1,00]	-,463	,255	3,286	1	,070
	[Floor_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Noise_short = 1,00]	-2,289	-1,446
	[Noise_short = 2,00]	-,688	,026
Location	[Room_ord=1,00]	-2,155	-1,056
	[Room_ord=2,00]	-1,479	-,405
	[Room_ord=3,00]	.	.
	[Floor_dich=1,00]	-,963	,038
	[Floor_dich=2,00]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	49,648			
General	48,558	1,090	3	,779

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```
PLUM Noise_short BY Room_ord Floor_dich Screens_dich Soundproof_ord Centrality_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Warnings

There are 64 (38,1%) cells (i.e., dependent variable levels by observed combinations of predictor variable values) with zero frequencies.

Case Processing Summary

		N	Marginal Percentage
Noise	Dissatisfied	75	28,3%
	Neutral	86	32,5%
	Satisfied	104	39,2%
Room capacity	large	76	28,7%
	medium	68	25,7%
	small	121	45,7%
Flooring	Medium/hard	68	25,7%
	Soft	197	74,3%
Screens or not	No	198	74,7%
	Yes	67	25,3%
Soundproof	low	66	24,9%
	medium	165	62,3%
	high	34	12,8%
Centrality	Central	164	61,9%
	Isolated	101	38,1%
Valid		265	100,0%
Missing		86	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	275,363			
Final	226,639	48,724	7	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	117,275	103	,159
Deviance	128,608	103	,045

Link function: Logit.

Pseudo R-Square

Cox and Snell	,168
Nagelkerke	,189
McFadden	,084

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Noise_short = 1,00]	-2,265	,493	21,070	1	,000
	[Noise_short = 2,00]	-,674	,474	2,024	1	,155
Location	[Room_ord=1,00]	-1,482	,338	19,212	1	,000
	[Room_ord=2,00]	-1,069	,299	12,784	1	,000
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Floor_dich=1,00]	-,573	,276	4,317	1	,038
	[Floor_dich=2,00]	0 ^a	.	.	0	.
	[Screens_dich=1,00]	,278	,295	,885	1	,347
	[Screens_dich=2,00]	0 ^a	.	.	0	.
	[Soundproof_ord=1,00]	-,463	,437	1,122	1	,290
	[Soundproof_ord=2,00]	-,390	,371	1,106	1	,293
	[Soundproof_ord=3,00]	0 ^a	.	.	0	.
	[Centrality_dich=1,00]	-,318	,246	1,680	1	,195
	[Centrality_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Noise_short = 1,00]	-3,232	-1,298
	[Noise_short = 2,00]	-1,602	,255
Location	[Room_ord=1,00]	-2,144	-,819
	[Room_ord=2,00]	-1,656	-,483
	[Room_ord=3,00]	.	.
	[Floor_dich=1,00]	-1,114	-,033
	[Floor_dich=2,00]	.	.
	[Screens_dich=1,00]	-,301	,856
	[Screens_dich=2,00]	.	.
	[Soundproof_ord=1,00]	-1,319	,394
	[Soundproof_ord=2,00]	-1,117	,337
	[Soundproof_ord=3,00]	.	.
	[Centrality_dich=1,00]	-,800	,163
	[Centrality_dich=2,00]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	226,639			
General	223,495	3,144	7	,871

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```

PLUM Noise_short BY Room_ord Floor_dich
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL.

```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Noise	Dissatisfied	82	28,5%
	Neutral	93	32,3%
	Satisfied	113	39,2%
Room capacity	large	81	28,1%
	medium	76	26,4%
	small	131	45,5%
Flooring	Medium/hard	77	26,7%
	Soft	211	73,3%
Valid		288	100,0%
Missing		63	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	92,391			
Final	49,648	42,743	3	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	4,148	7	,763
Deviance	4,180	7	,759

Link function: Logit.

Pseudo R-Square

Cox and Snell	,138
Nagelkerke	,156
McFadden	,068

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Noise_short = 1,00]	-1,867	,215	75,317	1	,000
	[Noise_short = 2,00]	-,331	,182	3,295	1	,069
Location	[Room_ord=1,00]	-1,606	,280	32,764	1	,000
	[Room_ord=2,00]	-,942	,274	11,830	1	,001
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Floor_dich=1,00]	-,463	,255	3,286	1	,070
	[Floor_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Noise_short = 1,00]	-2,289	-1,446
	[Noise_short = 2,00]	-,688	,026
Location	[Room_ord=1,00]	-2,155	-1,056
	[Room_ord=2,00]	-1,479	-,405
	[Room_ord=3,00]	.	.
	[Floor_dich=1,00]	-,963	,038
	[Floor_dich=2,00]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	49,648			
General	48,558	1,090	3	,779

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```
PLUM Noise_short BY Room_ord Centrality_dich
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Noise	Dissatisfied	90	29,4%
	Neutral	97	31,7%
	Satisfied	119	38,9%
Room capacity	large	88	28,8%
	medium	83	27,1%
	small	135	44,1%
Centrality	Central	190	62,1%
	Isolated	116	37,9%
Valid		306	100,0%
Missing		45	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	99,126			
Final	58,181	40,945	3	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	10,997	7	,139
Deviance	11,122	7	,133

Link function: Logit.

Pseudo R-Square

Cox and Snell	,125
Nagelkerke	,141
McFadden	,061

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Noise_short = 1,00]	-1,963	,261	56,557	1	,000
	[Noise_short = 2,00]	-,479	,235	4,154	1	,042
Location	[Room_ord=1,00]	-1,636	,273	35,945	1	,000
	[Room_ord=2,00]	-,818	,266	9,471	1	,002
	[Room_ord=3,00]	0 ^a	.	.	0	.
	[Centrality_dich=1,00]	-,479	,228	4,411	1	,036
	[Centrality_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Noise_short = 1,00]	-2,474	-1,451
	[Noise_short = 2,00]	-,939	-,018
Location	[Room_ord=1,00]	-2,171	-1,101
	[Room_ord=2,00]	-1,340	-,297
	[Room_ord=3,00]	.	.
	[Centrality_dich=1,00]	-,926	-,032
	[Centrality_dich=2,00]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	58,181			
General	55,258	2,923	3	,404

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```

PLUM Acoust_short BY Floor_dich Soundproof_dich
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL.

```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Acoustics	Dissatisfied	42	15,3%
	Neutral	71	25,9%
	Satisfied	161	58,8%
Flooring	Medium/hard	71	25,9%
	Soft	203	74,1%
Soundproof	Not at all	68	24,8%
	Reasonable	206	75,2%
Valid		274	100,0%
Missing		77	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	74,624			
Final	35,291	39,333	2	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	3,702	4	,448
Deviance	3,992	4	,407

Link function: Logit.

Pseudo R-Square

Cox and Snell	,134
Nagelkerke	,157
McFadden	,076

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Acoust_short = 1,00]	-2,466	,226	118,879	1	,000
	[Acoust_short = 2,00]	-,926	,165	31,551	1	,000
Location	[Floor_dich=1,00]	-,853	,273	9,768	1	,002
	[Floor_dich=2,00]	0 ^a	.	.	0	.
	[Soundproof_dich=1,00]	-1,334	,277	23,173	1	,000
	[Soundproof_dich=2,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Acoust_short = 1,00]	-2,909	-2,023
	[Acoust_short = 2,00]	-1,250	-,603
Location	[Floor_dich=1,00]	-1,388	-,318
	[Floor_dich=2,00]	.	.
	[Soundproof_dich=1,00]	-1,877	-,791
	[Soundproof_dich=2,00]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	35,291			
General	35,158	,133	2	,936

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```
PLUM Acoust_short BY Floor_dich Soundproof_ord
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SING
ULAR(1.0E-8)
/LINK=LOGIT
/PRINT=FIT PARAMETER SUMMARY TPARALLEL.
```

PLUM - Ordinal Regression

Case Processing Summary

		N	Marginal Percentage
Acoustics	Dissatisfied	42	15,3%
	Neutral	71	25,9%
	Satisfied	161	58,8%
Flooring	Medium/hard	71	25,9%
	Soft	203	74,1%
Soundproof	low	68	24,8%
	medium	171	62,4%
	high	35	12,8%
Valid		274	100,0%
Missing		77	
Total		351	

Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	87,874			
Final	48,309	39,565	3	,000

Link function: Logit.

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	7,424	7	,386
Deviance	7,771	7	,353

Link function: Logit.

Pseudo R-Square

Cox and Snell	,134
Nagelkerke	,158
McFadden	,076

Link function: Logit.

Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Acoust_short = 1,00]	-2,630	,411	40,979	1	,000
	[Acoust_short = 2,00]	-1,090	,379	8,287	1	,004
Location	[Floor_dich=1,00]	-,856	,273	9,831	1	,002
	[Floor_dich=2,00]	0 ^a	.	.	0	.
	[Soundproof_ord=1,00]	-1,497	,438	11,662	1	,001
	[Soundproof_ord=2,00]	-,195	,404	,232	1	,630
	[Soundproof_ord=3,00]	0 ^a	.	.	0	.

Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Acoust_short = 1,00]	-3,435	-1,825
	[Acoust_short = 2,00]	-1,833	-,348
Location	[Floor_dich=1,00]	-1,391	-,321
	[Floor_dich=2,00]	.	.
	[Soundproof_ord=1,00]	-2,356	-,638
	[Soundproof_ord=2,00]	-,987	,597
	[Soundproof_ord=3,00]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

Test of Parallel Lines^a

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	48,309			
General	47,539	,770	3	,857

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.