OPLOSSING

SYNTHESE OEFENING

Hierna vind je de SPSS output van de extra synthese oefening (zie DEEL X).

Ter herinnering: SPSS rondt pas op het einde af en met 4 cijfers na de komma, dus er kan een minimale foutenmarge op je uitkomst zitten. Maak je daar geen zorgen over.

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation	Variance
IMPULSIVITEIT_X1	20	7,00	18,00	11,6000	3,21837	10,358
SCHULD_X2	20	5,00	18,00	9,2500	3,86448	14,934
MORALITEIT_Y	20	7,00	18,00	12,0500	3,30032	10,892
Valid N (listwise)	20					

Correlations

		IMPULSIVITEIT_X1	SCHULD_X2	MORALITEIT_Y
IMPULSIVITEIT_X1	Pearson Correlation	1	-,360	-,137
	Sig. (2-tailed)		,119	,565
	Sum of Squares and Cross-products	196,800	-85,000	-27,600
	Covariance	10,358	-4,474	-1,453
	N	20	20	20
SCHULD_X2	Pearson Correlation	-,360	1	,333
	Sig. (2-tailed)	,119		,151
	Sum of Squares and Cross-products	-85,000	283,750	80,750
	Covariance	-4,474	14,934	4,250
	N	20	20	20
MORALITEIT_Y	Pearson Correlation	-,137	,333	1
	Sig. (2-tailed)	,565	,151	
	Sum of Squares and Cross-products	-27,600	80,750	206,950
	Covariance	-1,453	4,250	10,892
	N	20	20	20

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
IMPULSIVITEIT_X1	1 JONGEN	10	10,8000	2,04396	,64636	9,3378	12,2622	8,00	14,00
	2 MEISJE	10	12,4000	4,03320	1,27541	9,5148	15,2852	7,00	18,00
	Total	20	11,6000	3,21837	,71965	10,0938	13,1062	7,00	18,00
SCHULD_X2	1 JONGEN	10	10,5000	3,37474	1,06719	8,0859	12,9141	5,00	15,00
	2 MEISJE	10	8,0000	4,08248	1,29099	5,0796	10,9204	5,00	18,00
	Total	20	9,2500	3,86448	,86412	7,4414	11,0586	5,00	18,00
MORALITEIT_Y	1 JONGEN	10	12,2000	3,19026	1,00885	9,9178	14,4822	8,00	18,00
	2 MEISJE	10	11,9000	3,57305	1,12990	9,3440	14,4560	7,00	18,00
	Total	20	12,0500	3,30032	,73797	10,5054	13,5946	7,00	18,00

Correlations

GESLACHT			IMPULSIVITEIT_X1	SCHULD_X2	MORALITEIT_Y
1 JONGEN	IMPULSIVITEIT_X1	Pearson Correlation	1	-,032	-,385
		Sig. (2-tailed)		,930	,272
		Sum of Squares and Cross-products	37,600	-2,000	-22,600
		Covariance	4,178	-,222	-2,511
		N	10	10	10
	SCHULD_X2	Pearson Correlation	-,032	1	,217
		Sig. (2-tailed)	,930		,548
		Sum of Squares and Cross-products	-2,000	102,500	21,000
		Covariance	-,222	11,389	2,333
		N	10	10	10
	MORALITEIT_Y	Pearson Correlation	-,385	,217	1
		Sig. (2-tailed)	,272	,548	
		Sum of Squares and Cross-products	-22,600	21,000	91,600
		Covariance	-2,511	2,333	10,178
		N	10	10	10
2 MEISJE	IMPULSIVITEIT_X1	Pearson Correlation	1	-,425	-,020
		Sig. (2-tailed)		,221	,956
		Sum of Squares and Cross-products	146,400	-63,000	-2,600
		Covariance	16,267	-7,000	-,289
		N	10	10	10
	SCHULD_X2	Pearson Correlation	-,425	1	,427
		Sig. (2-tailed)	,221		,219
		Sum of Squares and Cross-products	-63,000	150,000	56,000
		Covariance	-7,000	16,667	6,222
		N	10	10	10
	MORALITEIT_Y	Pearson Correlation	-,020	,427	1
		Sig. (2-tailed)	,956	,219	
		Sum of Squares and Cross-products	-2,600	56,000	114,900
		Covariance	-,289	6,222	12,767
		N	10	10	10

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
IMPULSIVITEIT_X1	Between Groups	12,800	1	12,800	1,252	,278
	Within Groups	184,000	18	10,222		
	Total	196,800	19			
SCHULD_X2	Between Groups	31,250	1	31,250	2,228	,153
	Within Groups	252,500	18	14,028		
	Total	283,750	19			
MORALITEIT_Y	Between Groups	,450	1	,450	,039	,845
	Within Groups	206,500	18	11,472		
	Total	206,950	19			

ANOVA Effect Sizes[a,b]

		Point Estimate	95% Confidence Interval Lower	Upper
IMPULSIVITEIT_X1	Eta-squared	,065	,000	,324
	Epsilon-squared	,013	-,056	,287
	Omega-squared Fixed-effect	,012	-,053	,276
	Omega-squared Random-effect	,012	-,053	,276
SCHULD_X2	Eta-squared	,110	,000	,379
	Epsilon-squared	,061	-,056	,344
	Omega-squared Fixed-effect	,058	-,053	,333
	Omega-squared Random-effect	,058	-,053	,333
MORALITEIT_Y	Eta-squared	,002	,000	,156
	Epsilon-squared	-,053	-,056	,109
	Omega-squared Fixed-effect	-,050	-,053	,104
	Omega-squared Random-effect	-,050	-,053	,104

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

b. Negative but less biased estimates are retained, not rounded to zero.

Regressie van Y op X1

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,137[a]	,019	-,036	3,35890

a. Predictors: (Constant), IMPULSIVITEIT_X1

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3,871	1	3,871	,343	,565[b]
	Residual	203,079	18	11,282		
	Total	206,950	19			

a. Dependent Variable: MORALITEIT_Y

b. Predictors: (Constant), IMPULSIVITEIT_X1

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	13,677	2,877		4,754	<,001
	IMPULSIVITEIT_X1	-,140	,239	-,137	-,586	,565

a. Dependent Variable: MORALITEIT_Y

Regressie van Y op X2

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,333[a]	,111	,062	3,19696

a. Predictors: (Constant), SCHULD_X2

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	22,980	1	22,980	2,248	,151[b]
	Residual	183,970	18	10,221		
	Total	206,950	19			

a. Dependent Variable: MORALITEIT_Y

b. Predictors: (Constant), SCHULD_X2

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	9,418	1,896		4,968	<,001
	SCHULD_X2	,285	,190	,333	1,499	,151

a. Dependent Variable: MORALITEIT_Y

Regressie van X1 op Y

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,137[a]	,019	-,036	3,27549

a. Predictors: (Constant), MORALITEIT_Y

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3,681	1	3,681	,343	,565[b]
	Residual	193,119	18	10,729		
	Total	196,800	19			

a. Dependent Variable: IMPULSIVITEIT_X1

b. Predictors: (Constant), MORALITEIT_Y

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	13,207	2,840		4,651	<,001
	MORALITEIT_Y	-,133	,228	-,137	-,586	,565

a. Dependent Variable: IMPULSIVITEIT_X1

Regressie van X2 op Y

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,333[a]	,111	,062	3,74345

a. Predictors: (Constant), MORALITEIT_Y

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	31,508	1	31,508	2,248	,151[b]
	Residual	252,242	18	14,013		
	Total	283,750	19			

a. Dependent Variable: SCHULD_X2

b. Predictors: (Constant), MORALITEIT_Y

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	4,548	3,245		1,401	,178
	MORALITEIT_Y	,390	,260	,333	1,499	,151

a. Dependent Variable: SCHULD_X2

Regressie van Y op X1 en X2

Descriptive Statistics

	Mean	Std. Deviation	N
MORALITEIT_Y	12,0500	3,30032	20
IMPULSIVITEIT_X1	11,6000	3,21837	20
SCHULD_X2	9,2500	3,86448	20

Correlations

		MORALITEIT_Y	IMPULSIVITEIT_X1	SCHULD_X2
Pearson Correlation	MORALITEIT_Y	1,000	-,137	,333
	IMPULSIVITEIT_X1	-,137	1,000	-,360
	SCHULD_X2	,333	-,360	1,000
Sig. (1-tailed)	MORALITEIT_Y	.	,283	,076
	IMPULSIVITEIT_X1	,283	.	,060
	SCHULD_X2	,076	,060	.
N	MORALITEIT_Y	20	20	20
	IMPULSIVITEIT_X1	20	20	20
	SCHULD_X2	20	20	20

Model Summary

					Change Statistics				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	,334[a]	,111	,007	3,28904	,111	1,065	2	17	,367

a. Predictors: (Constant), SCHULD_X2, IMPULSIVITEIT_X1

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	23,048	2	11,524	1,065	,367[b]
	Residual	183,902	17	10,818		
	Total	206,950	19			

a. Dependent Variable: MORALITEIT_Y

b. Predictors: (Constant), SCHULD_X2, IMPULSIVITEIT_X1

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	9,704	4,104		2,364	,030
	IMPULSIVITEIT_X1	-,020	,251	-,019	-,079	,938
	SCHULD_X2	,279	,209	,326	1,331	,201

a. Dependent Variable: MORALITEIT_Y

Bereken de partiële correlatiecoëfficiënt tussen X1 en Y onder controle van X2.

Correlations

Control Variables			IMPULSIVITEIT_X1	MORALITEIT_Y
SCHULD_X2	IMPULSIVITEIT_X1	Correlation	1,000	-,019
		Significance (2-tailed)	.	,938
		df	0	17
	MORALITEIT_Y	Correlation	-,019	1,000
		Significance (2-tailed)	,938	.
		df	17	0