Descriptive Statistics: Heart Rate

Results for Treatment = BAM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T15	7	0	52,86	2,46	6,52	40,00	51,00	55,00	56,00	61,00
	T30	7	0	54,43	1,53	4,04	49,00	50,00	54,00	58,00	59,00
	T45	7	0	55,86	1,55	4,10	50,00	51,00	57,00	59,00	61,00

Results for Treatment = ZM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T15	10	0	70,20	4,10	12,95	52,00	56,25	70,00	84,50	86,00
	T30	10	0	65,70	4,50	14,24	48,00	51,50	65,50	79,00	90,00
	T45	10	0	64,60	4,17	13,19	46,00	54,50	65,00	74,00	88,00

General Linear Model: Heart Rate versus Treatment; Time

Method

Factor coding (-1; 0; +1)

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T15; T30; T45

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	1915,47	1915,47	16,33	0,000
Time	2	46,71	23,35	0,20	0,820
Error	47	5514,41	117,33		
Lack-of-Fit	2	160,88	80,44	0,68	0,514
Pure Error	45	5353,53	118,97		
Total	50	7476,59			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
10,8318	26,24%	21,54%	13,99%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	60,61	1,54	39,33	0,000	
Treatment					
BAM	-6,23	1,54	-4,04	0,000	1,00
Time					
T15	1,35	2,15	0,63	0,531	1,33
T30	-0,65	2,15	-0,30	0,764	1,33

Regression Equation

Heart Rate = 60,61 - 6,23 Treatment_BAM + 6,23 Treatment_ZM + 1,35 Time_T15 - 0,65 Time_T30 - 0,71 Time_T45

Fits and Diagnostics for Unusual Observations

Obs	Heart Rate	Fit	Resid	Std Resid	
23	90,00	66,19	23,81	2,28	R
24	88,00	66,13	21,87	2,10	R

R Large residual

ANOVA: Heart Rate versus Treatment; Time

* ERROR * Unbalanced design. A cross tabulation of your factors will show where the unbalance exists.

ANOVA: Heart Rate versus Treatment; Time

* ERROR * Unbalanced design. A cross tabulation of your factors will show where the unbalance exists.

ANOVA: Heart Rate versus Treatment; Time

* ERROR * Unbalanced design. A cross tabulation of your factors will show where the unbalance exists.

General Linear Model: Heart Rate versus Treatment; Time

Method

Factor coding	(-1; 0; +1)
Rows unused	9

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T15; T30; T45

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	1915,47	1915,47	16,10	0,000
Time	2	21,20	10,60	0,09	0,915
Treatment*Time	2	160,88	80,44	0,68	0,514
Error	45	5353,53	118,97		
Total	50	7476,59			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
10,9072	28,40%	20,44%	10,83%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	60,61	1,55	39,06	0,000	
Treatment					

BAM	-6,23	1,55	-4,01	0,000	1,00
Time					
T15	0,92	2,19	0,42	0,677	1,38
T30	-0,54	2,19	-0,25	0,806	1,38
Treatment*Time					
BAM T15	-2,45	2,19	-1,11	0,271	1,38
BAM T30	0,59	2,19	0,27	0,789	1,38

Regression Equation

Heart Rate = 60,61 - 6,23 Treatment_BAM + 6,23 Treatment_ZM + 0,92 Time_T15 - 0,54 Time_T30
- 0,38 Time_T45 - 2,45 Treatment*Time_BAM T15 + 0,59 Treatment*Time_BAM T30
+ 1,85 Treatment*Time_BAM T45 + 2,45 Treatment*Time_ZM T15
- 0,59 Treatment*Time_ZM T30 - 1,85 Treatment*Time_ZM T45

Fits and Diagnostics for Unusual Observations

Obs	Heart Rate	Fit	Resid	Std Resid	
23	90,00	65,70	24,30	2,35	R
24	88,00	64,60	23,40	2,26	R

R Large residual

Residual Plots for Heart Rate

General Linear Model: Heart Rate versus Treatment; Time

Method

Factor coding	(-1; 0; +1)
Rows unused	9

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T15; T30; T45

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	1915,47	1915,47	16,10	0,000
Time	2	21,20	10,60	0,09	0,915
Treatment*Time	2	160,88	80,44	0,68	0,514
Error	45	5353,53	118,97		
Total	50	7476,59			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
10,9072	28,40%	20,44%	10,83%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	60,61	1,55	39,06	0,000	
Treatment					
BAM	-6,23	1,55	-4,01	0,000	1,00
Time					

T15	0,92	2,19	0,42	0,677	1,38
T30	-0,54	2,19	-0,25	0,806	1,38
Treatment*Time					
BAM T15	-2,45	2,19	-1,11	0,271	1,38
BAM T30	0,59	2,19	0,27	0,789	1,38

Regression Equation

Heart Rate = 60,61 - 6,23 Treatment_BAM + 6,23 Treatment_ZM + 0,92 Time_T15 - 0,54 Time_T30
- 0,38 Time_T45 - 2,45 Treatment*Time_BAM T15 + 0,59 Treatment*Time_BAM T30
+ 1,85 Treatment*Time_BAM T45 + 2,45 Treatment*Time_ZM T15
- 0,59 Treatment*Time_ZM T30 - 1,85 Treatment*Time_ZM T45

Fits and Diagnostics for Unusual Observations

Obs	Heart Rate	Fit	Resid	Std Resid	
23	90,00	65,70	24,30	2,35	R
24	88,00	64,60	23,40	2,26	R

R Large residual

Interval Plot of Heart Rate

General Linear Model: Heart Rate versus Treatment; Time

Method

Factor coding (-1; 0; +1)

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T15; T30; T45

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	1915,47	1915,47	16,10	0,000
Time	2	21,20	10,60	0,09	0,915
Treatment*Time	2	160,88	80,44	0,68	0,514
Error	45	5353,53	118,97		
Total	50	7476,59			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
10,9072	28,40%	20,44%	10,83%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	60,61	1,55	39,06	0,000	
Treatment					
BAM	-6,23	1,55	-4,01	0,000	1,00
Time					
T15	0,92	2,19	0,42	0,677	1,38
T30	-0,54	2,19	-0,25	0,806	1,38
Treatment*Time					

BAM T15	-2,45	2,19	-1,11	0,271	1,38
BAM T30	0,59	2,19	0,27	0,789	1,38

Regression Equation

Heart Rate = 60,61 - 6,23 Treatment_BAM + 6,23 Treatment_ZM + 0,92 Time_T15 - 0,54 Time_T30
- 0,38 Time_T45 - 2,45 Treatment*Time_BAM T15 + 0,59 Treatment*Time_BAM T30
+ 1,85 Treatment*Time_BAM T45 + 2,45 Treatment*Time_ZM T15
- 0,59 Treatment*Time_ZM T30 - 1,85 Treatment*Time_ZM T45

Fits and Diagnostics for Unusual Observations

Obs	Heart Rate	Fit	Resid	Std Resid	
23	90,00	65,70	24,30	2,35	R
24	88,00	64,60	23,40	2,26	R

R Large residual

Descriptive Statistics: Heart Rate

Results for Treatment = BAM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T1	7	0	52,86	2,46	6,52	40,00	51,00	55,00	56,00	61,00
	T2	7	0	54,43	1,53	4,04	49,00	50,00	54,00	58,00	59,00
	T3	7	0	55,86	1,55	4,10	50,00	51,00	57,00	59,00	61,00

Results for Treatment = ZM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T1	10	0	70,20	4,10	12,95	52,00	56,25	70,00	84,50	86,00
	T2	10	0	65,70	4,50	14,24	48,00	51,50	65,50	79,00	90,00
	T3	10	0	63,90	4,52	14,29	39,00	54,75	64,50	74,00	88,00

Descriptive Statistics: Heart Rate; SAP; DAP; MAP; RR; ... ; SPO2; Temp

Results for Treatment = BAM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T1	7	0	52,86	2,46	6,52	40,00	51,00	55,00	56,00	61,00
	T2	7	0	54,43	1,53	4,04	49,00	50,00	54,00	58,00	59,00
	T3	7	0	55,86	1,55	4,10	50,00	51,00	57,00	59,00	61,00
SAP	T1	5	2	160,40	5,73	12,82	143,00	147,50	163,00	172,00	174,00
	T2	7	0	161,57	3,75	9,93	144,00	154,00	164,00	170,00	170,00
	T3	7	0	147,57	2,36	6,24	140,00	142,00	147,00	154,00	157,00
DAP	T1	5	2	137,20	5,54	12,40	122,00	124,50	141,00	148,00	152,00
	T2	7	0	128,71	5,11	13,52	104,00	120,00	128,00	140,00	142,00
	T3	7	0	120,57	2,69	7,11	111,00	113,00	121,00	127,00	131,00
MAP	T1	5	2	144,60	6,82	15,24	126,00	128,50	151,00	157,50	161,00

	T2	7	0	143,14	4,36	11,54	127,00	127,00	148,00	148,00	157,00
	T3	7	0	131,71	2,06	5,44	124,00	126,00	132,00	135,00	140,00
RR	T1	7	0	24,43	2,07	5,47	18,00	18,00	24,00	29,00	32,00
	T2	7	0	19,57	1,82	4,83	15,00	16,00	18,00	24,00	28,00
	T3	7	0	17,86	1,20	3,18	15,00	16,00	16,00	20,00	24,00
EtCO2	T1	4	3	40,75	4,61	9,22	30,00	32,00	40,50	49,75	52,00
	T2	7	0	41,14	2,88	7,63	31,00	32,00	44,00	46,00	52,00
	T3	7	0	42,57	2,25	5,94	34,00	38,00	44,00	48,00	51,00
SPO2	T1	5	2	91,40	1,57	3,51	88,00	88,50	91,00	94,50	97,00
	T2	7	0	93,57	1,62	4,28	90,00	90,00	91,00	99,00	100,00
	T3	7	0	94,00	1,38	3,65	90,00	91,00	93,00	99,00	99,00
Temp	T1	7	0	38,657	0,237	0,627	38,000	38,200	38,400	39,500	39,500
	T2	7	0	38,757	0,292	0,772	37,800	38,200	38,600	39,700	39,900
	T3	7	0	38,871	0,294	0,778	37,800	38,400	38,600	39,900	39,900

Results for Treatment = ZM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T1	10	0	70,20	4,10	12,95	52,00	56,25	70,00	84,50	86,00
	T2	10	0	65,70	4,50	14,24	48,00	51,50	65,50	79,00	90,00
	T3	10	0	63,90	4,52	14,29	39,00	54,75	64,50	74,00	88,00
SAP	T1	2	8	185,0	26,0	36,8	159,0	*	185,0	*	211,0
	T2	4	6	181,25	8,50	17,00	158,00	163,50	185,00	195,25	197,00
	T3	5	5	174,60	4,20	9,40	161,00	166,50	173,00	183,50	184,00
DAP	T1	2	8	153,5	32,5	46,0	121,0	*	153,5	*	186,0
	T2	4	6	129,25	5,25	10,50	117,00	119,25	129,00	139,50	142,00
	T3	5	5	117,60	5,04	11,26	103,00	106,50	119,00	128,00	131,00
MAP	T1	2	8	141,00	6,00	8,49	135,00	*	141,00	*	147,00
	T2	4	6	147,25	6,52	13,05	132,00	134,50	147,50	159,75	162,00
	T3	5	5	136,00	5,70	12,75	119,00	123,50	137,00	148,00	150,00
RR	T1	9	1	13,56	1,00	3,00	8,00	12,00	13,00	16,00	18,00
	T2	9	1	14,44	1,45	4,36	7,00	12,00	13,00	19,00	20,00
	T3	10	0	13,50	1,46	4,62	6,00	10,00	12,50	18,25	20,00
EtCO2	T1	0	10	*	*	*	*	*	*	*	*
	T2	0	10	*	*	*	*	*	*	*	*
	T3	0	10	*	*	*	*	*	*	*	*
SPO2	T1	10	0	94,700	0,967	3,057	87,000	94,000	95,000	97,000	98,000
	T2	9	1	93,11	1,79	5,37	81,00	91,50	93,00	97,00	100,00
	T3	8	2	95,13	1,72	4,85	87,00	92,00	95,00	100,00	100,00
Temp	T1	10	0	38,420	0,268	0,847	37,200	37,575	38,500	39,200	39,600
	T2	10	0	38,060	0,232	0,732	37,000	37,375	38,000	38,650	39,400
	T3	10	0	37,780	0,250	0,791	36,300	37,200	37,850	38,425	39,000

Descriptive Statistics: Heart Rate; SAP; DAP; MAP; RR; ... ; SPO2; Temp

Results for Treatment = BAM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T1	7	0	52,86	2,46	6,52	40,00	51,00	55,00	56,00	61,00
	T2	7	0	54,43	1,53	4,04	49,00	50,00	54,00	58,00	59,00
	T3	7	0	55,86	1,55	4,10	50,00	51,00	57,00	59,00	61,00
SAP	T1	5	2	160,40	5,73	12,82	143,00	147,50	163,00	172,00	174,00
	T2	7	0	161,57	3,75	9,93	144,00	154,00	164,00	170,00	170,00
	T3	7	0	147,57	2,36	6,24	140,00	142,00	147,00	154,00	157,00
DAP	T1	5	2	137,20	5,54	12,40	122,00	124,50	141,00	148,00	152,00
	T2	7	0	128,71	5,11	13,52	104,00	120,00	128,00	140,00	142,00
	T3	7	0	120,57	2,69	7,11	111,00	113,00	121,00	127,00	131,00
MAP	T1	5	2	144,60	6,82	15,24	126,00	128,50	151,00	157,50	161,00
	T2	7	0	143,14	4,36	11,54	127,00	127,00	148,00	148,00	157,00
	T3	7	0	131,71	2,06	5,44	124,00	126,00	132,00	135,00	140,00
RR	T1	7	0	24,43	2,07	5,47	18,00	18,00	24,00	29,00	32,00
	T2	7	0	19,57	1,82	4,83	15,00	16,00	18,00	24,00	28,00
	T3	7	0	17,86	1,20	3,18	15,00	16,00	16,00	20,00	24,00
EtCO2	T1	4	3	40,75	4,61	9,22	30,00	32,00	40,50	49,75	52,00
	T2	7	0	41,14	2,88	7,63	31,00	32,00	44,00	46,00	52,00
	T3	7	0	42,57	2,25	5,94	34,00	38,00	44,00	48,00	51,00
SPO2	T1	5	2	91,40	1,57	3,51	88,00	88,50	91,00	94,50	97,00
	T2	7	0	93,57	1,62	4,28	90,00	90,00	91,00	99,00	100,00
	T3	7	0	94,00	1,38	3,65	90,00	91,00	93,00	99,00	99,00
Temp	T1	7	0	38,657	0,237	0,627	38,000	38,200	38,400	39,500	39,500
	T2	7	0	38,757	0,292	0,772	37,800	38,200	38,600	39,700	39,900
	T3	7	0	38,871	0,294	0,778	37,800	38,400	38,600	39,900	39,900

Results for Treatment = ZM

Statistics

Variable	Time	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
Heart Rate	T1	10	0	70,20	4,10	12,95	52,00	56,25	70,00	84,50	86,00
	T2	10	0	65,70	4,50	14,24	48,00	51,50	65,50	79,00	90,00
	T3	10	0	63,90	4,52	14,29	39,00	54,75	64,50	74,00	88,00
SAP	T1	2	8	185,0	26,0	36,8	159,0	*	185,0	*	211,0
	T2	4	6	181,25	8,50	17,00	158,00	163,50	185,00	195,25	197,00
	T3	5	5	174,60	4,20	9,40	161,00	166,50	173,00	183,50	184,00
DAP	T1	2	8	153,5	32,5	46,0	121,0	*	153,5	*	186,0
	T2	4	6	129,25	5,25	10,50	117,00	119,25	129,00	139,50	142,00
	T3	5	5	117,60	5,04	11,26	103,00	106,50	119,00	128,00	131,00
MAP	T1	2	8	141,00	6,00	8,49	135,00	*	141,00	*	147,00
	T2	4	6	147,25	6,52	13,05	132,00	134,50	147,50	159,75	162,00
	T3	5	5	136,00	5,70	12,75	119,00	123,50	137,00	148,00	150,00
RR	T1	9	1	13,56	1,00	3,00	8,00	12,00	13,00	16,00	18,00

	T2	9	1	14,44	1,45	4,36	7,00	12,00	13,00	19,00	20,00
	T3	10	0	13,50	1,46	4,62	6,00	10,00	12,50	18,25	20,00
EtCO2	T1	0	10	*	*	*	*	*	*	*	*
	T2	0	10	*	*	*	*	*	*	*	*
	T3	0	10	*	*	*	*	*	*	*	*
SPO2	T1	10	0	94,700	0,967	3,057	87,000	94,000	95,000	97,000	98,000
	T2	9	1	93,11	1,79	5,37	81,00	91,50	93,00	97,00	100,00
	T3	8	2	95,13	1,72	4,85	87,00	92,00	95,00	100,00	100,00
Temp	T1	10	0	38,420	0,268	0,847	37,200	37,575	38,500	39,200	39,600
	T2	10	0	38,060	0,232	0,732	37,000	37,375	38,000	38,650	39,400
	T3	10	0	37,780	0,250	0,791	36,300	37,200	37,850	38,425	39,000

Results for Treatment = BAM

Results for Treatment = ZM

* ERROR * Cannot produce a graphical summary for EtCO2.

* ERROR * Not enough data.

General Linear Model: Heart Rate versus Treatment; Time

Method

Factor coding (-1; 0; +1)

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T1; T2; T3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	1844,36	1844,36	14,75	0,000
Time	2	26,91	13,45	0,11	0,898
Treatment*Time	2	183,61	91,81	0,73	0,485
Error	45	5626,03	125,02		
Total	50	7712,51			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
11,1814	27,05%	18,95%	9,20%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	60,49	1,59	38,03	0,000	
Treatment					
BAM	-6,11	1,59	-3,84	0,000	1,00
Time					
T1	1,04	2,25	0,46	0,647	1,38
T2	-0,43	2,25	-0,19	0,851	1,38
Treatment*Time					

BAM T1	-2,56	2,25	-1,14	0,261	1,38
BAM T2	0,47	2,25	0,21	0,834	1,38

Regression Equation

Heart Rate = 60,49 - 6,11 Treatment_BAM + 6,11 Treatment_ZM + 1,04 Time_T1 - 0,43 Time_T2
- 0,61 Time_T3 - 2,56 Treatment*Time_BAM T1 + 0,47 Treatment*Time_BAM T2
+ 2,09 Treatment*Time_BAM T3 + 2,56 Treatment*Time_ZM T1
- 0,47 Treatment*Time_ZM T2 - 2,09 Treatment*Time_ZM T3

Fits and Diagnostics for Unusual Observations

Obs	Heart Rate	Fit	Resid	Std Resid	
12	39,00	63,90	-24,90	-2,35	R
23	90,00	65,70	24,30	2,29	R
24	88,00	63,90	24,10	2,27	R

R Large residual

General Linear Model: SAP versus Treatment; Time

Method

Factor coding (-1; 0; +1)
Rows unused 21

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T1; T2; T3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	3541,59	3541,59	20,96	0,000
Time	2	789,21	394,61	2,34	0,118
Treatment*Time	2	74,55	37,28	0,22	0,804
Error	24	4054,58	168,94		
Total	29	8677,47			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
12,9977	53,27%	43,54%	0,00%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	168,40	2,60	64,88	0,000	
Treatment					
BAM	-11,88	2,60	-4,58	0,000	1,11
Time					
T1	4,30	4,07	1,06	0,302	1,78
T2	3,01	3,50	0,86	0,398	1,67
Treatment*Time					
BAM T1	-0,42	4,07	-0,10	0,920	1,86
BAM T2	2,05	3,50	0,58	0,565	1,67

Regression Equation

SAP = 168,40 - 11,88 Treatment_BAM + 11,88 Treatment_ZM + 4,30 Time_T1 + 3,01 Time_T2
- 7,31 Time_T3 - 0,42 Treatment*Time_BAM T1 + 2,05 Treatment*Time_BAM T2
- 1,63 Treatment*Time_BAM T3 + 0,42 Treatment*Time_ZM T1 - 2,05 Treatment*Time_ZM T2
+ 1,63 Treatment*Time_ZM T3

Fits and Diagnostics for Unusual Observations

Obs	SAP	Fit	Resid	Std Resid	
2	158,00	181,25	-23,25	-2,07	R
10	159,00	185,00	-26,00	-2,83	R
28	211,00	185,00	26,00	2,83	R

R Large residual

General Linear Model: DAP versus Treatment; Time

Method

Factor coding	(-1; 0; +1)
Rows unused	21

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T1; T2; T3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	133,9	133,9	0,65	0,429
Time	2	2656,1	1328,0	6,42	0,006
Treatment*Time	2	369,0	184,5	0,89	0,423
Error	24	4966,4	206,9		
Total	29	7626,7			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
14,3852	34,88%	21,32%	0,00%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	131,14	2,87	45,65	0,000	
Treatment					
BAM	-2,31	2,87	-0,80	0,429	1,11
Time					
T1	14,21	4,51	3,15	0,004	1,78
T2	-2,16	3,88	-0,56	0,583	1,67
Treatment*Time					
BAM T1	-5,84	4,51	-1,30	0,208	1,86
BAM T2	2,04	3,88	0,53	0,603	1,67

Regression Equation

DAP = 131,14 - 2,31 Treatment_BAM + 2,31 Treatment_ZM + 14,21 Time_T1 - 2,16 Time_T2
- 12,05 Time_T3 - 5,84 Treatment*Time_BAM T1 + 2,04 Treatment*Time_BAM T2

+ 3,80 Treatment*Time_BAM T3 + 5,84 Treatment*Time_ZM T1 - 2,04 Treatment*Time_ZM T2
- 3,80 Treatment*Time_ZM T3

Fits and Diagnostics for Unusual Observations

Obs	DAP	Fit	Resid	Std Resid	
10	121,00	153,50	-32,50	-3,20	R
28	186,00	153,50	32,50	3,20	R

R Large residual

General Linear Model: MAP versus Treatment; Time

Method

Factor coding	(-1; 0; +1)
Rows unused	21

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T1; T2; T3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	16,00	16,00	0,12	0,730
Time	2	759,70	379,85	2,90	0,074
Treatment*Time	2	68,98	34,49	0,26	0,770
Error	24	3138,24	130,76		
Total	29	4085,87			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
11,4350	23,19%	7,19%	0,00%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	140,62	2,28	61,58	0,000	
Treatment					
BAM	-0,80	2,28	-0,35	0,730	1,11
Time					
T1	2,18	3,58	0,61	0,548	1,78
T2	4,58	3,08	1,49	0,150	1,67
Treatment*Time					
BAM T1	2,60	3,58	0,73	0,475	1,86
BAM T2	-1,25	3,08	-0,41	0,687	1,67

Regression Equation

MAP = 140,62 - 0,80 Treatment_BAM + 0,80 Treatment_ZM + 2,18 Time_T1 + 4,58 Time_T2
- 6,76 Time_T3 + 2,60 Treatment*Time_BAM T1 - 1,25 Treatment*Time_BAM T2
- 1,34 Treatment*Time_BAM T3 - 2,60 Treatment*Time_ZM T1 + 1,25 Treatment*Time_ZM T2
+ 1,34 Treatment*Time_ZM T3

General Linear Model: RR versus Treatment; Time

Method

Factor coding	(-1; 0; +1)
Rows unused	2

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T1; T2; T3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	551,97	551,97	29,77	0,000
Time	2	89,29	44,64	2,41	0,102
Treatment*Time	2	100,88	50,44	2,72	0,077
Error	43	797,23	18,54		
Total	48	1519,55			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
4,30584	47,54%	41,43%	31,60%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	17,226	0,622	27,70	0,000	
Treatment					
BAM	3,393	0,622	5,46	0,000	1,00
Time					
T1	1,766	0,883	2,00	0,052	1,39
T2	-0,218	0,883	-0,25	0,806	1,39
Treatment*Time					
BAM T1	2,044	0,883	2,32	0,025	1,39
BAM T2	-0,829	0,883	-0,94	0,353	1,39

Regression Equation

RR = 17,226 + 3,393 Treatment_BAM - 3,393 Treatment_ZM + 1,766 Time_T1 - 0,218 Time_T2
- 1,548 Time_T3 + 2,044 Treatment*Time_BAM T1 - 0,829 Treatment*Time_BAM T2
- 1,214 Treatment*Time_BAM T3 - 2,044 Treatment*Time_ZM T1 + 0,829 Treatment*Time_ZM T2
+ 1,214 Treatment*Time_ZM T3

Fits and Diagnostics for Unusual Observations

Obs	RR	Fit	Resid	Std Resid	
41	28,00	19,57	8,43	2,11	R

R Large residual

General Linear Model: SPO2 versus Treatment; Time

Method

Factor coding	(-1; 0; +1)
Rows unused	5

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T1; T2; T3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	19,13	19,127	1,06	0,308
Time	2	18,72	9,361	0,52	0,598
Treatment*Time	2	25,57	12,786	0,71	0,497
Error	40	718,78	17,969		
Total	45	774,61			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
4,23904	7,21%	0,00%	0,00%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	93,651	0,640	146,22	0,000	
Treatment					
BAM	-0,661	0,640	-1,03	0,308	1,02
Time					
T1	-0,601	0,927	-0,65	0,520	1,43
T2	-0,310	0,889	-0,35	0,729	1,36
Treatment*Time					
BAM T1	-0,989	0,927	-1,07	0,292	1,42
BAM T2	0,891	0,889	1,00	0,322	1,36

Regression Equation

SPO2 = 93,651 - 0,661 Treatment_BAM + 0,661 Treatment_ZM - 0,601 Time_T1 - 0,310 Time_T2
+ 0,911 Time_T3 - 0,989 Treatment*Time_BAM T1 + 0,891 Treatment*Time_BAM T2
+ 0,098 Treatment*Time_BAM T3 + 0,989 Treatment*Time_ZM T1 - 0,891 Treatment*Time_ZM
T2 - 0,098 Treatment*Time_ZM T3

Fits and Diagnostics for Unusual Observations

Obs	SPO2	Fit	Resid	Std Resid	
17	81,00	93,11	-12,11	-3,03	R
30	87,00	95,12	-8,12	-2,05	R

R Large residual

General Linear Model: Temp versus Treatment; Time

Method

Factor coding (-1; 0; +1)

Factor Information

Factor	Type	Levels	Values
Treatment	Fixed	2	BAM; ZM
Time	Fixed	3	T1; T2; T3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	5,6323	5,6323	9,57	0,003
Time	2	0,3792	0,1896	0,32	0,726
Treatment*Time	2	1,5055	0,7528	1,28	0,288
Error	45	26,4846	0,5885		
Total	50	34,3365			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
0,767168	22,87%	14,30%	1,25%

Coefficients

Term	Coef	SE Coef	T-Value	P-Value	VIF
Constant	38,424	0,109	352,07	0,000	
Treatment					
BAM	0,338	0,109	3,09	0,003	1,00
Time					
T1	0,114	0,154	0,74	0,463	1,38
T2	-0,016	0,154	-0,10	0,919	1,38
Treatment*Time					
BAM T1	-0,219	0,154	-1,42	0,163	1,38
BAM T2	0,011	0,154	0,07	0,944	1,38

Regression Equation

Temp = 38,424 + 0,338 Treatment_BAM - 0,338 Treatment_ZM + 0,114 Time_T1 - 0,016 Time_T2 - 0,099 Time_T3 - 0,219 Treatment*Time_BAM T1 + 0,011 Treatment*Time_BAM T2 + 0,208 Treatment*Time_BAM T3 + 0,219 Treatment*Time_ZM T1 - 0,011 Treatment*Time_ZM T2 - 0,208 Treatment*Time_ZM T3

Fits and Diagnostics for Unusual Observations

Obs	Temp	Fit	Resid	Std Resid	
12	36,300	37,780	-1,480	-2,03	R

R Large residual