ps6_q1_output

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The SAS System

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Data Set Name	MYLIB.PS6_Q1_RESULT	Observations	1064
Member Type	DATA	Variables	8
Engine	V9	Indexes	0
Created	12/10/2019 15:48:18	Observation Length	72
Last Modified	12/10/2019 15:48:18	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_64		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information	
Data Set Page Size	65536
Number of Data Set Pages	2
First Data Page	1
Max Obs per Page	908
Obs in First Data Page	882
Number of Data Set Repairs	0
ExtendObsCounter	YES
Filename	C:\Users\wenjing\Downloads\ps6_q1_result.sas7bdat
Release Created	9.0401M6
Host Created	X64_10PRO
Owner Name	UMROOT\wenjing
File Size	192KB
File Size (bytes)	196608

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
6	AUC	Num	8	BEST12.	BEST32.
7	Condition	Char	8	$8.	$8.
8	Exemplar	Char	13	$13.	$13.
5	avg_abs_dev	Num	8	BEST12.	BEST32.
2	count_trial	Num	8	BEST12.	BEST32.
4	max_abs_dev	Num	8	BEST12.	BEST32.
1	subject_nr	Num	8	BEST12.	BEST32.
3	tot_dist	Num	8	BEST12.	BEST32.

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The SAS System

The Mixed Procedure

Model Information	
Data Set	WORK.PS6_Q1_TOT_DIST
Dependent Variable	tot_dist_c
Covariance Structure	Variance Components
Subject Effects	subject_nr, Exemplar
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
subject_nr	60	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
Exemplar	19	Aal Alligator Chamaeleon Falke Fledermaus Goldfisch Hai Hund Kaninchen Katze Klapperschlan Lachs Loewe Pferd Pinguin Schmetterling Seeloewe Spatz Wal
Condition	2	Atypical Typical

Dimensions	
Covariance Parameters	3
Columns in X	3
Columns in Z per Subject	79
Subjects	1

Max Obs per Subject	1064

Number of Observations	
Number of Observations Read	1064
Number of Observations Used	1064
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	644.38239701	
1	2	591.21928997	0.00000447
2	1	591.21618263	0.00000001

Convergence criteria met.

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
Intercept	subject_nr	0.009081
Intercept	Exemplar	0.004453
Residual		0.09357

Fit Statistics	
-2 Res Log Likelihood	591.2
AIC (Smaller is Better)	597.2
AICC (Smaller is Better)	597.2
BIC (Smaller is Better)	591.2

Solution for Fixed Effects									
Effect	Condition	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept		7.1517	0.02491	17	287.09	<.0001	0.05	7.0992	7.2043
Condition	Atypical	0.1613	0.03882	986	4.16	<.0001	0.05	0.08516	0.2375
Condition	Typical	0	.	.	.	.	.	.	.

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Condition	1	986	17.27	<.0001

The SAS System

The Mixed Procedure

Model Information	
Data Set	WORK.PS6_Q1_MAX_ABS_DEV
Dependent Variable	max_abs_dev_c
Covariance Structure	Variance Components
Subject Effects	subject_nr, Exemplar
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
subject_nr	60	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
Exemplar	19	Aal Alligator Chamaeleon Falke Fledermaus Goldfisch Hai Hund Kaninchen Katze Klapperschlan Lachs Loewe Pferd Pinguin Schmetterling Seeloewe Spatz Wal
Condition	2	Atypical Typical

Dimensions	
Covariance Parameters	3
Columns in X	3
Columns in Z per Subject	79
Subjects	1
Max Obs per Subject	1064

Number of Observations	
Number of Observations Read	1064
Number of Observations Used	1064
Number of Observations Not Used	0

Iteration History

Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	3315.35828464	
1	2	3258.86012395	0.00000194
2	1	3258.85883402	0.00000000

Convergence criteria met.

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
Intercept	subject_nr	0.1334
Intercept	Exemplar	0.03584
Residual		1.1515

Fit Statistics	
-2 Res Log Likelihood	3258.9
AIC (Smaller is Better)	3264.9
AICC (Smaller is Better)	3264.9
BIC (Smaller is Better)	3258.9

Solution for Fixed Effects									
Effect	Condition	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept		4.7679	0.08087	17	58.96	<.0001	0.05	4.5973	4.9385
Condition	Atypical	0.5101	0.1180	986	4.32	<.0001	0.05	0.2785	0.7417
Condition	Typical	0	.	.	.	.	.	.	.

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Condition	1	986	18.68	<.0001

The SAS System

The Mixed Procedure

Model Information	
Data Set	WORK.PS6_Q1_AVG_ABS_DEV
Dependent Variable	avg_abs_dev_c
Covariance Structure	Variance Components
Subject Effects	subject_nr, Exemplar
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
subject_nr	60	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
Exemplar	19	Aal Alligator Chamaeleon Falke Fledermaus Goldfisch Hai Hund Kaninchen Katze Klapperschlan Lachs Loewe Pferd Pinguin Schmetterling Seeloewe Spatz Wal
Condition	2	Atypical Typical

Dimensions	
Covariance Parameters	3
Columns in X	3
Columns in Z per Subject	79
Subjects	1
Max Obs per Subject	1064

Number of Observations	
Number of Observations Read	1064
Number of Observations Used	1064
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	3681.98954124	
1	2	3599.45188328	0.00000149
2	1	3599.45063250	0.00000000

Convergence criteria met.

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate

Intercept	subject_nr	0.2498
Intercept	Exemplar	0.04642
Residual		1.5679

Fit Statistics	
-2 Res Log Likelihood	3599.5
AIC (Smaller is Better)	3605.5
AICC (Smaller is Better)	3605.5
BIC (Smaller is Better)	3599.5

Solution for Fixed Effects									
Effect	Condition	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept		3.0824	0.09929	17	31.05	<.0001	0.05	2.8729	3.2919
Condition	Atypical	0.6511	0.1356	986	4.80	<.0001	0.05	0.3850	0.9172
Condition	Typical	0	.	.	.	.	.	.	.

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Condition	1	986	23.06	<.0001

The SAS System

The Mixed Procedure

Model Information	
Data Set	WORK.PS6_Q1_AUC
Dependent Variable	AUC
Covariance Structure	Variance Components
Subject Effects	subject_nr, Exemplar
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
subject_nr	60	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
Exemplar	19	Aal Alligator Chamaeleon Falke Fledermaus Goldfisch Hai Hund Kaninchen Katze Klapperschlan Lachs Loewe Pferd Pinguin Schmetterling Seeloewe Spatz Wal
Condition	2	Atypical Typical

Dimensions	
Covariance Parameters	3
Columns in X	3
Columns in Z per Subject	79
Subjects	1
Max Obs per Subject	1064

Number of Observations	
Number of Observations Read	1064
Number of Observations Used	1064
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	3299.66123975	
1	2	3249.10067118	0.00000016
2	1	3249.10057010	0.00000000

Convergence criteria met.

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
Intercept	subject_nr	0.1292
Intercept	Exemplar	0.02000
Residual		1.1482

Fit Statistics	
-2 Res Log Likelihood	3249.1
AIC (Smaller is Better)	3255.1
AICC (Smaller is Better)	3255.1
BIC (Smaller is Better)	3249.1

Solution for Fixed Effects

Effect	Condition	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept		11.0128	0.07242	17	152.06	<.0001	0.05	10.8600	11.1656
Condition	Atypical	0.3898	0.1002	986	3.89	0.0001	0.05	0.1931	0.5865
Condition	Typical	0	.	.	.	.	.	.	.

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
Condition	1	986	15.12	0.0001