The Mixed Procedure

Model Information	
Data Set	WORK.EXPDATA
Dependent Variable	error
Covariance Structure	Variance Components
Subject Effect	workerId
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	**Levels**	**Values**
chart	3	PB TM WB
data_size	3	75 150 300
workerId	60	075973931d90c6b4dcf4af6482f9b0d26e829462 0b3e2a867a6b9bac0111316efa099c56caa0886d 0ccc8e128ad5a413b363f1239957cfe510741856 1551d36ee0cc20603b311db2c4284bf943f5f110 171fe4f413b24865c3b456817a833a063ccd79b3 17cde018648a903f74759ac96836f4ddf24ad91b 1a710a831bc76f0f4238ef24932cba7f029100d6 1e97933e70c51238c1695756d3207e4b9fd8bbbd 24351c3416e9bb1260561255f0b2143160add74d 28ff532548d0035fa0aafc980634d0e630fcd5e9 2d77892283af9289e4f800b7589688dfe8570b5e 35b667450d91376531114d7e11fcc4139d11eb16 35debc78df7847a516b10dc00a2c1a450db947c4 3e9906dfdfbf06b2f8578d6d9ea76fdce705f1be 3f61ef5e75b76bf9515d0ad649eff075481e9051 46965231287d0dc7f4a62069abbc36de1645426e 4996637bef7b247ed8db9668829638be3ee8a5cd 4b44d42a8381668167624da3bd31d1df52221576 4cf2617525c37b0fc7cda6700de037dcd1ca1914 4d46cbd4acd7b353dae2684b202a84748c7f418b 4fe434e03eed3c9ca83557dc727c852d111f8e6d 52046d974e2b96661fe9e05a3b0a9659fe968946 552ea9e92c4eba3f8b5f0bc56bf2389fcb69ea35 6244e41bb861dce7fa079150fae1e33aa21b186d 62c366c8bc03b4474d664a49ac4e1b5571f0b21a 62c8c63824b86f0aa17b46cadea5c2183de2dc83 70c89d23522060bde15e6cd52f3e926b0975a62a 78aca46528db01f86c742036c73a9ac23cdaad84 7a604accea4aaa5eb4564eb2509d8d0f0b12789c 838a37ad923caa6280ba5c518fc26af7e9d4530e 85448b8f10a9bff7a3e46d8c6a210e95158e4108 8c8cb67ada42d4cf6f6d65d4ec85119579ef966d 908d349bfdab5fefb950d3f7e332aaddbd197de5 9320acee857aa45a40abb030462b6c1c3157e5ae 95f101815f20b8806b7d0252cc8ca620e6800282 9603acbfa882038e4e06e89e7841d2245be235ee 97a563b2b849bdb4bd1fdf474a790def2e4fb63c 9d637fce96ebc8de7c62a42c2f33bd07b2f9ec1b 9d756dd323b26f1d7189aa81c2e12f0612049bda a0a7184365935f86f311957eccd9edf81defdf4e a4756189c3dce72c537af8c5e08fe30982db98f9 a7a400f64c54a91f1d25d709070edb15402bf456 b1f79624687eafe69034f4b941b207c48ded5c43 b40807203cdcebea7d18d0117575f93583a13775 bdecc06c1e92e275ef196ee3bcba35efbccfaf1f c16c3eaa94d47fba5903cb514491bdf655edbaf4 c1de9380e8018ea907b80f800b0081767ad655ea c6a392bae539afb84af614902e56e8abc10037b5 c833bdb0408cda692fac071fd20b09dbbf059976 ce02e6f31500a5c32d302b9753fdf446d128e345 ce6882ccfbe4d1d98165838ba896e02ccf5a1c58 d1365b16b63ba1369ed012160d172df1f5f105fd d37b743a511a33f10df39d5f70b873de9b051a4b d9e4362638ee47930d59e5b89886ea993f54a50c da31889ad0e4287698eebf8e95e0e46a8bc6c2e0 df75f321453196179150e412b71f744161b2c5e7 e04b251cf3b93001fd166940af681b70e1ff7337 f1f0535fa4b0b407a8caed37532881b408a49012 f23ceb7a2804a90d388c8f2db4b6114c54faf578 f3d397719d5070e5b3686dead753a56ec87dbe8d

Dimensions	
Covariance Parameters	2
Columns in X	16
Columns in Z per Subject	1
Subjects	60
Max Obs per Subject	30

The Mixed Procedure

Number of Observations	
Number of Observations Read	1800
Number of Observations Used	1800
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	14110.29700351	
1	1	13514.85270085	0.00000000

Convergence criteria met.

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
Intercept	workerId	54.4406
Residual		98.5187

Fit Statistics	
-2 Res Log Likelihood	13514.9
AIC (Smaller is Better)	13518.9
AICC (Smaller is Better)	13518.9
BIC (Smaller is Better)	13523.0

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
chart	2	1734	3.54	0.0291
data_size	2	1734	7.41	0.0006
chart*data_size	4	1734	5.87	0.0001

Least Squares Means							
Effect	chart	data_size	Estimate	Standard Error	DF	t Value	Pr > |t|
chart	PB		10.4011	1.6989	1734	6.12	<.0001
chart	TM		12.3856	1.6989	1734	7.29	<.0001
chart	WB		6.1267	1.6989	1734	3.61	0.0003
data_size		75	8.7511	1.0352	1734	8.45	<.0001
data_size		150	9.2889	1.0352	1734	8.97	<.0001

The Mixed Procedure

Least Squares Means							
Effect	chart	data_size	Estimate	Standard Error	DF	t Value	Pr > |t|
data_size		300	10.8733	1.0352	1734	10.50	<.0001
chart*data_size	PB	75	9.1400	1.7929	1734	5.10	<.0001
chart*data_size	PB	150	8.6400	1.7929	1734	4.82	<.0001
chart*data_size	PB	300	13.4233	1.7929	1734	7.49	<.0001
chart*data_size	TM	75	11.4867	1.7929	1734	6.41	<.0001
chart*data_size	TM	150	13.7733	1.7929	1734	7.68	<.0001
chart*data_size	TM	300	11.8967	1.7929	1734	6.64	<.0001
chart*data_size	WB	75	5.6267	1.7929	1734	3.14	0.0017
chart*data_size	WB	150	5.4533	1.7929	1734	3.04	0.0024
chart*data_size	WB	300	7.3000	1.7929	1734	4.07	<.0001

Differences of Least Squares Means											
Effect	chart	data_size	_chart	_data_size	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P
chart	PB		TM		-1.9844	2.4026	1734	-0.83	0.4089	Tukey	0.6869
chart	PB		WB		4.2744	2.4026	1734	1.78	0.0754	Tukey	0.1769
chart	TM		WB		6.2589	2.4026	1734	2.61	0.0093	Tukey	0.0251
data_size		75		150	-0.5378	0.5731	1734	-0.94	0.3482	Tukey-Kramer	0.6160
data_size		75		300	-2.1222	0.5731	1734	-3.70	0.0002	Tukey-Kramer	0.0006
data_size		150		300	-1.5844	0.5731	1734	-2.76	0.0058	Tukey-Kramer	0.0159
chart*data_size	PB	75	PB	150	0.5000	0.9926	1734	0.50	0.6145	Tukey-Kramer	0.9999
chart*data_size	PB	75	PB	300	-4.2833	0.9926	1734	-4.32	<.0001	Tukey-Kramer	0.0006
chart*data_size	PB	75	TM	75	-2.3467	2.5356	1734	-0.93	0.3548	Tukey-Kramer	0.9916
chart*data_size	PB	75	TM	150	-4.6333	2.5356	1734	-1.83	0.0678	Tukey-Kramer	0.6639
chart*data_size	PB	75	TM	300	-2.7567	2.5356	1734	-1.09	0.2771	Tukey-Kramer	0.9761
chart*data_size	PB	75	WB	75	3.5133	2.5356	1734	1.39	0.1660	Tukey-Kramer	0.9034
chart*data_size	PB	75	WB	150	3.6867	2.5356	1734	1.45	0.1461	Tukey-Kramer	0.8764
chart*data_size	PB	75	WB	300	1.8400	2.5356	1734	0.73	0.4681	Tukey-Kramer	0.9984
chart*data_size	PB	150	PB	300	-4.7833	0.9926	1734	-4.82	<.0001	Tukey-Kramer	<.0001
chart*data_size	PB	150	TM	75	-2.8467	2.5356	1734	-1.12	0.2617	Tukey-Kramer	0.9709
chart*data_size	PB	150	TM	150	-5.1333	2.5356	1734	-2.02	0.0431	Tukey-Kramer	0.5263
chart*data_size	PB	150	TM	300	-3.2567	2.5356	1734	-1.28	0.1992	Tukey-Kramer	0.9360
chart*data_size	PB	150	WB	75	3.0133	2.5356	1734	1.19	0.2348	Tukey-Kramer	0.9590
chart*data_size	PB	150	WB	150	3.1867	2.5356	1734	1.26	0.2090	Tukey-Kramer	0.9434
chart*data_size	PB	150	WB	300	1.3400	2.5356	1734	0.53	0.5972	Tukey-Kramer	0.9998
chart*data_size	PB	300	TM	75	1.9367	2.5356	1734	0.76	0.4451	Tukey-Kramer	0.9978

The Mixed Procedure

Differences of Least Squares Means										
Effect	chart	data_size	_chart	_data_size	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P
chart*data_size	PB	300	TM	150	-0.3500	2.5356	1734	-0.14	0.8902	Tukey-Kramer	1.0000
chart*data_size	PB	300	TM	300	1.5267	2.5356	1734	0.60	0.5472	Tukey-Kramer	0.9996
chart*data_size	PB	300	WB	75	7.7967	2.5356	1734	3.07	0.0021	Tukey-Kramer	0.0547
chart*data_size	PB	300	WB	150	7.9700	2.5356	1734	3.14	0.0017	Tukey-Kramer	0.0447
chart*data_size	PB	300	WB	300	6.1233	2.5356	1734	2.41	0.0158	Tukey-Kramer	0.2763
chart*data_size	TM	75	TM	150	-2.2867	0.9926	1734	-2.30	0.0214	Tukey-Kramer	0.3402
chart*data_size	TM	75	TM	300	-0.4100	0.9926	1734	-0.41	0.6796	Tukey-Kramer	1.0000
chart*data_size	TM	75	WB	75	5.8600	2.5356	1734	2.31	0.0209	Tukey-Kramer	0.3358
chart*data_size	TM	75	WB	150	6.0333	2.5356	1734	2.38	0.0174	Tukey-Kramer	0.2959
chart*data_size	TM	75	WB	300	4.1867	2.5356	1734	1.65	0.0989	Tukey-Kramer	0.7761
chart*data_size	TM	150	TM	300	1.8767	0.9926	1734	1.89	0.0588	Tukey-Kramer	0.6203
chart*data_size	TM	150	WB	75	8.1467	2.5356	1734	3.21	0.0013	Tukey-Kramer	0.0361
chart*data_size	TM	150	WB	150	8.3200	2.5356	1734	3.28	0.0011	Tukey-Kramer	0.0291
chart*data_size	TM	150	WB	300	6.4733	2.5356	1734	2.55	0.0108	Tukey-Kramer	0.2077
chart*data_size	TM	300	WB	75	6.2700	2.5356	1734	2.47	0.0135	Tukey-Kramer	0.2460
chart*data_size	TM	300	WB	150	6.4433	2.5356	1734	2.54	0.0111	Tukey-Kramer	0.2130
chart*data_size	TM	300	WB	300	4.5967	2.5356	1734	1.81	0.0700	Tukey-Kramer	0.6737
chart*data_size	WB	75	WB	150	0.1733	0.9926	1734	0.17	0.8614	Tukey-Kramer	1.0000
chart*data_size	WB	75	WB	300	-1.6733	0.9926	1734	-1.69	0.0920	Tukey-Kramer	0.7554
chart*data_size	WB	150	WB	300	-1.8467	0.9926	1734	-1.86	0.0630	Tukey-Kramer	0.6412