

Lajikekoodit nousevassa järjestyksessä

<2>

JLAJIKE LAJIKE

1	111120
2	111130
3	111140
4	111150
5	111160
6	111170
7	111180
8	111190
9	111200
10	111210
11	111220
12	111230

Lajikekokeen tilastollinen analyysi

The MIXED Procedure

Class Level Information

<1>

Class	Levels	Values
LAJIKE	12	111120 111130 111140 111150 111160 111170 111180 111190 111200 111210 111220 111230
LOHKO	16	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
KERRANNE	4	1 2 3 4

REML Estimation Iteration History

Iteration	Evaluations	Objective	Criterion
0	1	480.50077072	
1	2	479.68729701	0.00000008
2	1	479.68727752	0.00000000

Convergence criteria met.

Covariance Parameter Estimates (REML)

<7>						
Cov Parm	Ratio	Estimate	Std Error	Z	Pr > Z	
KERRANNE	0.60732454	0.03358827	0.03408605	0.99	0.3244	
LOHKO*KERRANNE	0.70001565	0.03871464	0.01623193	2.39	0.0171	
Residual	1.00000000	0.05530531	0.00853569	6.48	0.0001	

Model Fitting Information for SATO

Description	Value
Observations	48.0000
Res Log Likelihood	-272.925
Akaike's Information Criterion	-275.925
Schwarz's Bayesian Criterion	-278.301
-2 Res Log Likelihood	545.8509

Tests of Fixed Effects

Source	NDF	DDF	Type III F	Pr > F
LAJIKE	11	21	23.32	0.0001

Least Squares Means

<8>							
Effect	LAJIKE	LSMEAN	Std Error	DF	t	Pr > t	
LAJIKE	111120	5921.5866296	186.69080749	21	31.72	0.0001	
LAJIKE	111130	6523.4790176	186.75011397	21	34.93	0.0001	
LAJIKE	111140	6094.8572045	186.35612864	21	32.71	0.0001	
LAJIKE	111150	6956.7261715	186.35450516	21	37.33	0.0001	
LAJIKE	111160	5935.7275872	186.04932155	21	31.90	0.0001	
LAJIKE	111170	4170.6247757	187.11450533	21	22.29	0.0001	
LAJIKE	111180	6226.6750808	187.09414921	21	33.28	0.0001	
LAJIKE	111190	6616.0185445	186.75037481	21	35.43	0.0001	
LAJIKE	111200	7485.8611639	186.78714028	21	40.08	0.0001	
LAJIKE	111210	6693.7223647	186.40351256	21	35.91	0.0001	
LAJIKE	111220	7339.1682661	186.35659010	21	39.38	0.0001	
LAJIKE	111230	6412.5531940	186.71853955	21	34.34	0.0001	

Predicted Values

LAJIKE	JLAJIKE	KERRANNE	LOHKO	SATO	Predicted	SE Pred	L95	U95	Residual
111120	1	1	4	5689.000	5835.6487	206.8052	5405.574	6265.724	-146.649
111120	1	2	6	6325.000	6062.5561	206.7642	5632.566	6492.546	262.4439
111120	1	3	9	6440.000	6130.2810	206.8095	5700.197	6560.365	309.7190
111120	1	4	14	5428.000	5853.5143	206.8505	5423.345	6283.683	-425.514
111130	2	1	1	6732.000	6488.0605	205.9679	6059.727	6916.394	243.9395
111130	2	2	8	6802.000	6548.8753	207.6944	6116.951	6980.799	253.1247

111130	2	3	11	6506.000	6659.3002	205.9679	6230.967	7087.634	-153.300
111130	2	4	16	6038.000	6381.7640	207.9837	5949.238	6814.290	-343.764
111140	3	1	4	6014.000	6008.9192	207.7119	5576.959	6440.880	5.0808
111140	3	2	7	6091.000	5957.3017	206.6570	5527.535	6387.068	133.6983
111140	3	3	12	6098.000	5902.6369	207.4888	5471.140	6334.134	195.3631
111140	3	4	16	5619.000	5953.1422	206.6086	5523.476	6382.808	-334.142
111150	4	1	3	6947.000	6948.1306	206.6121	6518.457	7377.804	-1.1306
111150	4	2	8	6870.000	6982.1224	207.4986	6550.606	7413.639	-112.122
111150	4	3	10	6786.000	7006.0932	206.7043	6576.228	7435.958	-220.093
111150	4	4	14	7222.000	6888.6538	207.6771	6456.766	7320.542	333.3462
111160	5	1	2	6303.000	5969.8939	207.3554	5538.675	6401.113	333.1061
111160	5	2	6	6463.000	6076.6970	207.3947	5645.396	6507.998	386.3030
111160	5	3	12	4900.000	5743.5073	207.2622	5312.482	6174.533	-843.507
111160	5	4	15	6013.000	5888.9018	207.2223	5457.959	6319.844	124.0982
111170	6	1	3	4183.000	4162.0292	206.9502	3731.653	4592.406	20.9708
111170	6	2	7	3903.000	4033.0692	206.0667	3604.530	4461.608	-130.069
111170	6	3	10	4167.000	4219.9918	206.0609	3791.465	4648.519	-52.9918
111170	6	4	16	4191.000	4028.9098	207.0505	3598.325	4459.495	162.0902
111180	7	1	1	6255.000	6191.2565	206.1680	5762.507	6620.006	63.7435
111180	7	2	6	6232.000	6367.6445	207.1071	5936.942	6798.347	-135.645
111180	7	3	11	6590.000	6362.4963	206.1680	5933.746	6791.246	227.5037
111180	7	4	14	6003.000	6158.6027	207.1033	5727.908	6589.298	-155.603
111190	8	1	1	6144.000	6580.6000	205.9678	6152.267	7008.933	-436.600
111190	8	2	5	7003.000	6676.3675	207.9800	6243.849	7108.886	326.6325
111190	8	3	11	7172.000	6751.8397	205.9678	6323.506	7180.173	420.1603
111190	8	4	15	6259.000	6569.1928	207.6984	6137.260	7001.125	-310.193
111200	9	1	2	7606.000	7520.0275	206.8853	7089.786	7950.269	85.9725
111200	9	2	7	6844.000	7348.3056	206.8739	6918.088	7778.523	-504.306
111200	9	3	10	7988.000	7535.2282	206.9193	7104.916	7965.540	452.7718
111200	9	4	13	7513.000	7547.4387	206.8358	7117.300	7977.577	-34.4387
111210	10	1	3	6634.000	6685.1267	207.6542	6253.286	7116.967	-51.1267
111210	10	2	5	6588.000	6754.0713	206.6401	6324.340	7183.803	-166.071
111210	10	3	12	6450.000	6501.5020	207.4676	6070.050	6932.954	-51.5020
111210	10	4	13	7024.000	6755.2999	206.5512	6325.753	7184.847	268.7001
111220	11	1	4	7082.000	7253.2303	206.5528	6823.680	7682.780	-171.230
111220	11	2	8	7316.000	7364.5645	207.5394	6932.963	7796.166	-48.5645
111220	11	3	9	7752.000	7547.8627	206.5586	7118.300	7977.425	204.1373
111220	11	4	15	7308.000	7292.3425	207.4476	6860.931	7723.753	15.6575
111230	12	1	2	6152.000	6446.7195	206.7025	6016.858	6876.581	-294.720
111230	12	2	5	6532.000	6472.9022	206.7887	6042.861	6902.943	59.0978
111230	12	3	9	6867.000	6621.2476	207.9409	6188.811	7053.684	245.7524
111230	12	4	13	6464.000	6474.1307	205.9133	6045.910	6902.351	-10.1307

Jäännösvirheet

Univariate Procedure

Variable=RESID

Moments		Quantiles(Def=5)					
N	48	Sum Wgts	48	100% Max	452.7718	99%	452.7718
Mean	0	Sum	0	75% Q3	235.7216	95%	386.303
Std Dev	271.7907	Variance	73870.2	50% Med	1.975107	90%	333.1061
Skewness	-0.6368	Kurtosis	0.60331	25% Q1	-154.451	10%	-343.764
USS	3471900	CSS	3471900	0% Min	-843.507	5%	-436.6
CV	.	Std Mean	39.22961			1%	-843.507

T:Mean=0 0 Pr>|T| 1.0000 Range 1296.279
 Num ^= 0 48 Num > 0 24 Q3-Q1 390.1731
 M(Sign) 0 Pr>=|M| 1.0000 Mode -843.507
 Sgn Rank 27 Pr>=|S| 0.7851
 W:Normal 0.964537 Pr<W 0.2531

Extremes

<3>		<4>	
Lowest	Obs	Highest	Obs
-843.507	(19)	333.1061	(17)
-504.306	(34)	333.3462	(16)
-436.6	(29)	386.303	(18)
-425.514	(4)	420.1603	(31)
-343.764	(8)	452.7718	(35)

<6>

Poikkeavat havainnot

OBS	LAIJKE	KERRANNE	LOHKO	SATO	STDRES
1	111160	3	12	4900.000	-3.10352
