Linear Mixed Model for SPO2 (Treatment x Time)

La procedura Mixed

Informazioni sul modello	
Data set	WORK.SPO2_MERGE
Variabile dipendente	AVAL
Struttura di covarianza	Simmetria composta
Effetto soggetto	USUBJID
Metodo di stima	REML
Metodo varianza residua	Profilo
Metodo SE per effetti fissi	Basato sul modello
Metodo dei gradi di libertà	Tra-Entro

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La procedura Mixed

Informazioni sui livelli di classificazione		
Classe	**Livelli**	**Valori**
USUBJID	300	VIRALBLOCK01-001 VIRALBLOCK01-002 VIRALBLOCK01-003 VIRALBLOCK01-004 VIRALBLOCK01-005 VIRALBLOCK01-006 VIRALBLOCK01-007 VIRALBLOCK01-008 VIRALBLOCK01-009 VIRALBLOCK01-010 VIRALBLOCK01-011 VIRALBLOCK01-012 VIRALBLOCK01-013 VIRALBLOCK01-014 VIRALBLOCK01-015 VIRALBLOCK01-016 VIRALBLOCK01-017 VIRALBLOCK01-018 VIRALBLOCK01-019 VIRALBLOCK01-020 VIRALBLOCK01-021 VIRALBLOCK01-022 VIRALBLOCK01-023 VIRALBLOCK01-024 VIRALBLOCK01-025 VIRALBLOCK01-026 VIRALBLOCK01-027 VIRALBLOCK01-028 VIRALBLOCK01-029 VIRALBLOCK01-030 VIRALBLOCK01-031 VIRALBLOCK01-032 VIRALBLOCK01-033 VIRALBLOCK01-034 VIRALBLOCK01-035 VIRALBLOCK01-036 VIRALBLOCK01-037 VIRALBLOCK01-038 VIRALBLOCK01-039 VIRALBLOCK01-040 VIRALBLOCK01-041 VIRALBLOCK01-042 VIRALBLOCK01-043 VIRALBLOCK01-044 VIRALBLOCK01-045 VIRALBLOCK01-046 VIRALBLOCK01-047 VIRALBLOCK01-048 VIRALBLOCK01-049 VIRALBLOCK01-050 VIRALBLOCK01-051 VIRALBLOCK01-052 VIRALBLOCK01-053 VIRALBLOCK01-054 VIRALBLOCK01-055 VIRALBLOCK01-056 VIRALBLOCK01-057 VIRALBLOCK01-058 VIRALBLOCK01-059 VIRALBLOCK01-060 VIRALBLOCK01-061 VIRALBLOCK01-062 VIRALBLOCK01-063 VIRALBLOCK01-064 VIRALBLOCK01-065 VIRALBLOCK01-066 VIRALBLOCK01-067 VIRALBLOCK01-068 VIRALBLOCK01-069 VIRALBLOCK01-070 VIRALBLOCK01-071 VIRALBLOCK01-072 VIRALBLOCK01-073 VIRALBLOCK01-074 VIRALBLOCK01-075 VIRALBLOCK01-076 VIRALBLOCK01-077 VIRALBLOCK01-078 VIRALBLOCK01-079 VIRALBLOCK01-080 VIRALBLOCK01-081 VIRALBLOCK01-082 VIRALBLOCK01-083 VIRALBLOCK01-084 VIRALBLOCK01-085 VIRALBLOCK01-086 VIRALBLOCK01-087 VIRALBLOCK01-088 VIRALBLOCK01-089 VIRALBLOCK01-090 VIRALBLOCK01-091 VIRALBLOCK01-092 VIRALBLOCK01-093 VIRALBLOCK01-094 VIRALBLOCK01-095 VIRALBLOCK01-096 VIRALBLOCK01-097 VIRALBLOCK01-098 VIRALBLOCK01-099 VIRALBLOCK01-100 VIRALBLOCK01-101 VIRALBLOCK01-102 VIRALBLOCK01-103 VIRALBLOCK01-104 VIRALBLOCK01-105 VIRALBLOCK01-106 VIRALBLOCK01-107 VIRALBLOCK01-108 VIRALBLOCK01-109 VIRALBLOCK01-110 VIRALBLOCK01-111 VIRALBLOCK01-112 VIRALBLOCK01-113 VIRALBLOCK01-114 VIRALBLOCK01-115 VIRALBLOCK01-116 VIRALBLOCK01-117 VIRALBLOCK01-118 VIRALBLOCK01-119 VIRALBLOCK01-120 VIRALBLOCK01-121 VIRALBLOCK01-122 VIRALBLOCK01-123 VIRALBLOCK01-124 VIRALBLOCK01-125 VIRALBLOCK01-126 VIRALBLOCK01-127 VIRALBLOCK01-128 VIRALBLOCK01-129 VIRALBLOCK01-130 VIRALBLOCK01-131 VIRALBLOCK01-132 VIRALBLOCK01-133 VIRALBLOCK01-134 VIRALBLOCK01-135 VIRALBLOCK01-136 VIRALBLOCK01-137 VIRALBLOCK01-138 VIRALBLOCK01-139 VIRALBLOCK01-140 VIRALBLOCK01-141 VIRALBLOCK01-142 VIRALBLOCK01-143 VIRALBLOCK01-144 VIRALBLOCK01-145 VIRALBLOCK01-146

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La procedura Mixed

Informazioni sui livelli di classificazione		
Classe	**Livelli**	**Valori**
USUBJID		VIRALBLOCK01-147 VIRALBLOCK01-148 VIRALBLOCK01-149 VIRALBLOCK01-150 VIRALBLOCK01-151 VIRALBLOCK01-152 VIRALBLOCK01-153 VIRALBLOCK01-154 VIRALBLOCK01-155 VIRALBLOCK01-156 VIRALBLOCK01-157 VIRALBLOCK01-158 VIRALBLOCK01-159 VIRALBLOCK01-160 VIRALBLOCK01-161 VIRALBLOCK01-162 VIRALBLOCK01-163 VIRALBLOCK01-164 VIRALBLOCK01-165 VIRALBLOCK01-166 VIRALBLOCK01-167 VIRALBLOCK01-168 VIRALBLOCK01-169 VIRALBLOCK01-170 VIRALBLOCK01-171 VIRALBLOCK01-172 VIRALBLOCK01-173 VIRALBLOCK01-174 VIRALBLOCK01-175 VIRALBLOCK01-176 VIRALBLOCK01-177 VIRALBLOCK01-178 VIRALBLOCK01-179 VIRALBLOCK01-180 VIRALBLOCK01-181 VIRALBLOCK01-182 VIRALBLOCK01-183 VIRALBLOCK01-184 VIRALBLOCK01-185 VIRALBLOCK01-186 VIRALBLOCK01-187 VIRALBLOCK01-188 VIRALBLOCK01-189 VIRALBLOCK01-190 VIRALBLOCK01-191 VIRALBLOCK01-192 VIRALBLOCK01-193 VIRALBLOCK01-194 VIRALBLOCK01-195 VIRALBLOCK01-196 VIRALBLOCK01-197 VIRALBLOCK01-198 VIRALBLOCK01-199 VIRALBLOCK01-200 VIRALBLOCK01-201 VIRALBLOCK01-202 VIRALBLOCK01-203 VIRALBLOCK01-204 VIRALBLOCK01-205 VIRALBLOCK01-206 VIRALBLOCK01-207 VIRALBLOCK01-208 VIRALBLOCK01-209 VIRALBLOCK01-210 VIRALBLOCK01-211 VIRALBLOCK01-212 VIRALBLOCK01-213 VIRALBLOCK01-214 VIRALBLOCK01-215 VIRALBLOCK01-216 VIRALBLOCK01-217 VIRALBLOCK01-218 VIRALBLOCK01-219 VIRALBLOCK01-220 VIRALBLOCK01-221 VIRALBLOCK01-222 VIRALBLOCK01-223 VIRALBLOCK01-224 VIRALBLOCK01-225 VIRALBLOCK01-226 VIRALBLOCK01-227 VIRALBLOCK01-228 VIRALBLOCK01-229 VIRALBLOCK01-230 VIRALBLOCK01-231 VIRALBLOCK01-232 VIRALBLOCK01-233 VIRALBLOCK01-234 VIRALBLOCK01-235 VIRALBLOCK01-236 VIRALBLOCK01-237 VIRALBLOCK01-238 VIRALBLOCK01-239 VIRALBLOCK01-240 VIRALBLOCK01-241 VIRALBLOCK01-242 VIRALBLOCK01-243 VIRALBLOCK01-244 VIRALBLOCK01-245 VIRALBLOCK01-246 VIRALBLOCK01-247 VIRALBLOCK01-248 VIRALBLOCK01-249 VIRALBLOCK01-250 VIRALBLOCK01-251 VIRALBLOCK01-252 VIRALBLOCK01-253 VIRALBLOCK01-254 VIRALBLOCK01-255 VIRALBLOCK01-256 VIRALBLOCK01-257 VIRALBLOCK01-258 VIRALBLOCK01-259 VIRALBLOCK01-260 VIRALBLOCK01-261 VIRALBLOCK01-262 VIRALBLOCK01-263 VIRALBLOCK01-264 VIRALBLOCK01-265 VIRALBLOCK01-266 VIRALBLOCK01-267 VIRALBLOCK01-268 VIRALBLOCK01-269 VIRALBLOCK01-270 VIRALBLOCK01-271 VIRALBLOCK01-272 VIRALBLOCK01-273 VIRALBLOCK01-274 VIRALBLOCK01-275 VIRALBLOCK01-276 VIRALBLOCK01-277 VIRALBLOCK01-278 VIRALBLOCK01-279 VIRALBLOCK01-280 VIRALBLOCK01-281 VIRALBLOCK01-282 VIRALBLOCK01-283 VIRALBLOCK01-284 VIRALBLOCK01-285 VIRALBLOCK01-286 VIRALBLOCK01-287 VIRALBLOCK01-288 VIRALBLOCK01-289 VIRALBLOCK01-290 VIRALBLOCK01-291 VIRALBLOCK01-292

Linear Mixed Model for SPO2 (Treatment x Time)

La procedura Mixed

Informazioni sui livelli di classificazione		
Classe	**Livelli**	**Valori**
USUBJID		VIRALBLOCK01-293 VIRALBLOCK01-294 VIRALBLOCK01-295 VIRALBLOCK01-296 VIRALBLOCK01-297 VIRALBLOCK01-298 VIRALBLOCK01-299 VIRALBLOCK01-300
ARM	2	Placebo ViralBlock
AVISITN	5	1 2 3 4 5

Dimensioni	
Parametri di covarianza	2
Colonne in X	18
Colonne in Z	0
Soggetti	300
Oss max per soggetto	5

Num. di osservazioni	
Num. di osservazioni lette	1500
Num. di osservazioni usate	1500
Num. di osservazioni non usate	0

Cronologia delle iterazioni			
Iterazione	**Valutazioni**	**-2 log verosim res**	**Criterio**
0	1	4230.38503795	
1	1	4229.54742377	0.00000000

Criteri di convergenza soddisfatti.

Stime dei parametri di covarianza		
Param cov	**Soggetto**	**Stima**
CS	USUBJID	0.01650
Residual		0.9517

Statistiche di bontà del modello	
-2 res log verosim	4229.5
AIC (minore è meglio)	4233.5
AICC (minore è meglio)	4233.6
BIC (minore è meglio)	4241.0

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Test del rapporto di verosimiglianza del modello nullo		
DF	**Chi-quadrato**	**Pr > ChiQuadr**
1	0.84	0.3601

Soluzione per effetti fissi							
Effetto	**ARM**	**AVISITN**	**Stima**	**Errore standard**	**DF**	**Valore t**	**Pr > |t|**
Intercept			97.3702	0.08007	298	1216.00	<.0001
ARM	Placebo		-1.9085	0.1136	298	-16.80	<.0001
ARM	ViralBlock		0	.	.	.	.
AVISITN		1	-3.2417	0.1123	1192	-28.87	<.0001
AVISITN		2	-2.5940	0.1123	1192	-23.10	<.0001
AVISITN		3	-1.7331	0.1123	1192	-15.44	<.0001
AVISITN		4	-0.8874	0.1123	1192	-7.90	<.0001
AVISITN		5	0	.	.	.	.
ARM*AVISITN	Placebo	1	1.8692	0.1593	1192	11.73	<.0001
ARM*AVISITN	Placebo	2	1.4934	0.1593	1192	9.37	<.0001
ARM*AVISITN	Placebo	3	0.9009	0.1593	1192	5.65	<.0001
ARM*AVISITN	Placebo	4	0.5022	0.1593	1192	3.15	0.0017
ARM*AVISITN	Placebo	5	0	.	.	.	.
ARM*AVISITN	ViralBlock	1	0	.	.	.	.
ARM*AVISITN	ViralBlock	2	0	.	.	.	.
ARM*AVISITN	ViralBlock	3	0	.	.	.	.
ARM*AVISITN	ViralBlock	4	0	.	.	.	.
ARM*AVISITN	ViralBlock	5	0	.	.	.	.

Test di tipo 3 degli effetti fissi				
Effetto	**DF num**	**DF den**	**Valore F**	**Pr > F**
ARM	1	298	330.90	<.0001
AVISITN	4	1192	268.58	<.0001
ARM*AVISITN	4	1192	44.24	<.0001