

Manova Fit

Response Specification

To construct the linear combinations across responses,

☐ Univariate Tests Also

☐ Test Each Column Separately Also

N 45

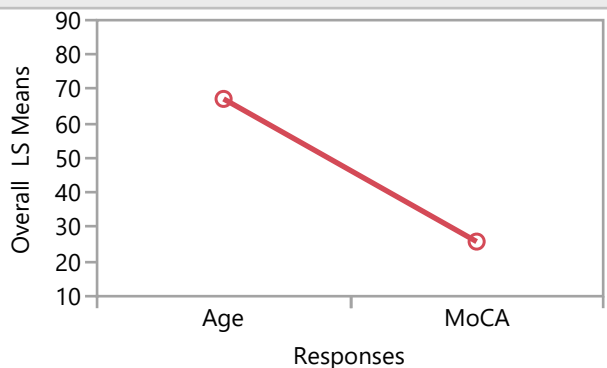
DFE 37

Parameter Estimates

	Age	MoCA
Intercept	58,0653439	30,6874689
α -syn	0,09674341	-0,0439907
DD	0,79045593	-0,1984468
$(\alpha$ -syn-30,6939)*(DD-6,88889)	0,01829883	-0,0090814
UPDRS III	0,05671756	-0,0988217
$(\alpha$ -syn-30,6939)*(UPDRS III-26,4222)	0,00150464	0,0018168
$(DD-6,88889)*(UPDRS III-26,4222)$	0,00373907	-0,0043237
$(\alpha$ -syn-30,6939)*(DD-6,88889)*(UPDRS III-26,4222)	-0,0005492	0,00030605

Least Squares Means

Overall Means



Overall Means

Age	MoCA
67,177778	25,822222

Manova Fit**Between Subjects**

Sum

All Between

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,1872723	0,9899	7	37	0,4536

Intercept

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	14,786249	547,0912	1	37	<,0001*

Eigenvalue	Canonical Corr
14,7862494	0,96780873

Eigvec

0,01685338

 α -syn

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0126366	0,4676	1	37	0,4984

DD

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,104808	3,8779	1	37	0,0564

 α -syn*DD

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0120918	0,4474	1	37	0,5077

UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0033211	0,1229	1	37	0,7279

 α -syn*UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0093433	0,3457	1	37	0,5601

DD*UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0000164	0,0006	1	37	0,9805

 α -syn*DD*UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0017579	0,0650	1	37	0,8001

Within Subjects

Contrast

Manova Fit**Within Subjects****M-transformed Parameter Estimates**

Intercept	-27,377875
α -syn	-0,1407341
DD	-0,9889027
(α -syn-30,6939)*(DD-6,88889)	-0,0273803
UPDRS III	-0,1555393
(α -syn-30,6939)*(UPDRS III-26,4222)	0,00031216
(DD-6,88889)*(UPDRS III-26,4222)	-0,0080627
(α -syn-30,6939)*(DD-6,88889)*(UPDRS III-26,4222)	0,00085528

All Within Interactions

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,4515474	2,3868	7	37	0,0404*

Eigenvalue	Canonical Corr
0,45154739	0,55774548

Eigvec

0,01363618

Age and MoCA-Dependent variables

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,9210953	34,0805	1	37	<,0001*

Eigenvalue	Canonical Corr
0,92109531	0,69243312

Eigvec

0,01363618

Age and MoCA-Dependent variables* α -syn

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0588778	2,1785	1	37	0,1484

Eigenvalue	Canonical Corr
0,05887782	0,23580496

Eigvec

0,01363618

Age and MoCA-Dependent variables*DD

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,1914504	7,0837	1	37	0,0114*

Eigenvalue	Canonical Corr
0,19145036	0,40085759

Eigvec

0,01363618

Manova Fit**Within Subjects****Age and MoCA-Dependent variables* α -syn*DD**

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0698489	2,5844	1	37	0,1164

	Canonical
Eigenvalue	Corr
0,06984893	0,25551632

Eigvec

0,01363618

Age and MoCA-Dependent variables*UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0296708	1,0978	1	37	0,3015

	Canonical
Eigenvalue	Corr
0,02967083	0,16975228

Eigvec

0,01363618

Age and MoCA-Dependent variables* α -syn*UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	5,4028e-5	0,0020	1	37	0,9646

	Canonical
Eigenvalue	Corr
5,40277e-5	0,00735016

Eigvec

0,01363618

Age and MoCA-Dependent variables*DD*UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0020425	0,0756	1	37	0,7849

	Canonical
Eigenvalue	Corr
0,0020425	0,04514791

Eigvec

0,01363618

Age and MoCA-Dependent variables* α -syn*DD*UPDRS III

Test	Value	Exact F	NumDF	DenDF	Prob>F
F Test	0,0142339	0,5267	1	37	0,4726

	Canonical
Eigenvalue	Corr
0,01423393	0,1184659

Eigvec

0,01363618