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name: <unnamed>
log: G:/kings backup/Research/ED_project/documents/Lauren_CCA_2022/Psychiatry Research 2023 05/CCA redo 05 2
> CCA results 29 09 2023.smcl
log type: smcl
opened on: 29 Sep 2023, 11:31:44

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. canon ( AN_New_Girls MINI_A_MDEC MINI_O_GADC MINI_C_SRC ) ( neur_mean_r extr_mean_r open_mean_r agre_mean_r co
> n_r AS_r H_r IMP_r SS_r) , stdcoef

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Canonical correlation analysis Number of obs = **105**

Standardized coefficients for the first variable set

	1	2	3	4
AN_New_Girls	0.2998	-0.0927	1.0781	1.1447
MINI_A_MDEC	0.2698	0.8490	-0.9861	0.3497
MINI_O_GADC	0.1818	0.5331	0.4106	-1.3747
MINI_C_SRC	0.4240	-1.1893	-0.5408	-0.1707

Standardized coefficients for the second variable set

	1	2	3	4
neur_mean_r	0.4648	-0.6625	0.2558	-0.6436
extr_mean_r	0.0706	-0.6686	0.7302	0.4081
open_mean_r	0.0806	0.0643	-0.5040	0.1924
agre_mean_r	-0.0279	-0.3272	-0.6299	-0.3368
cons_mean_r	0.2233	0.4992	-0.1847	0.5814
AS_r	-0.0458	0.4653	0.4852	-0.4614
H_r	0.7170	0.1251	-0.3308	0.8969
IMP_r	0.0232	0.0172	-0.1612	0.6349
SS_r	0.0498	0.6500	0.1075	-0.2132

Canonical correlations:

0.8976 0.4342 0.3675 0.0804

Tests of significance of all canonical correlations

	Statistic	df1	df2	F	Prob>F
Wilks' lambda	.135566	36	346.504	6.7804	0.0000 a
Pillai's trace	1.13564	36	380	4.1850	0.0000 a
Lawley-Hotelling trace	4.53896	36	362	11.4104	0.0000 a
Roy's largest root	4.144	9	95	43.7422	0.0000 u

e = exact, a = approximate, u = upper bound on F

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- canon, test(1 2 3 4)

Canonical correlation analysis Number of obs = **105**

Raw coefficients for the first variable set

	1	2	3	4
AN_New_Girls	0.6000	-0.1855	2.1579	2.2910
MINI_A_MDEC	0.5695	1.7924	-2.0819	0.7383
MINI_O_GADC	0.3708	1.0875	0.8377	-2.8043
MINI_C_SRC	0.8690	-2.4373	-1.1083	-0.3498

Raw coefficients for the second variable set

	1	2	3	4
neur_mean_r	0.4141	-0.5902	0.2279	-0.5734
extr_mean_r	0.0683	-0.6467	0.7063	0.3948
open_mean_r	0.0869	0.0694	-0.5434	0.2075
agre_mean_r	-0.0281	-0.3297	-0.6346	-0.3392
cons_mean_r	0.2396	0.5357	-0.1982	0.6240
AS_r	-0.0520	0.5282	0.5507	-0.5238
H_r	0.6641	0.1159	-0.3064	0.8307
IMP_r	0.0263	0.0195	-0.1832	0.7214
SS_r	0.0472	0.6152	0.1017	-0.2018

Canonical correlations:

0.8976 0.4342 0.3675 0.0804

Tests of significance of all canonical correlations

	Statistic	df1	df2	F	Prob>F
Wilks' lambda	.135566	36	346.504	6.7804	0.0000 a
Pillai's trace	1.13564	36	380	4.1850	0.0000 a
Lawley-Hotelling trace	4.53896	36	362	11.4104	0.0000 a
Roy's largest root	4.144	9	95	43.7422	0.0000 u

Test of significance of canonical correlations 1-4

	Statistic	df1	df2	F	Prob>F
Wilks' lambda	.135566	36	346.504	6.7804	0.0000 a

Test of significance of canonical correlations 2-4

	Statistic	df1	df2	F	Prob>F
Wilks' lambda	.69735	24	270.33	1.4906	0.0693 a

Test of significance of canonical correlations 3-4

	Statistic	df1	df2	F	Prob>F
Wilks' lambda	.859327	14	188	1.0575	0.3990 e

Test of significance of canonical correlation 4

	Statistic	df1	df2	F	Prob>F
Wilks' lambda	.993535	6	95	0.1030	0.9959 e

e = exact, a = approximate, u = upper bound on F

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Canonical loadings for variable list 1

	1	2	3	4
AN_New_Girls	0.8684	0.0858	0.4071	0.2697
MINI_A_MDEC	0.8096	0.4302	-0.3636	0.1653
MINI_O_GADC	0.8201	0.2349	0.2677	-0.4479
MINI_C_SRC	0.8778	-0.4351	-0.1713	-0.1038

Canonical loadings for variable list 2

	1	2	3	4
neur_mean_r	0.9254	-0.0966	0.0906	-0.2398
extr_mean_r	-0.5343	-0.3391	0.3521	0.3897
open_mean_r	-0.0281	0.1876	-0.3946	0.0934
agre_mean_r	-0.4698	-0.3197	-0.5030	-0.2298
cons_mean_r	-0.3884	0.3608	-0.1281	0.1613
AS_r	0.2448	0.3694	0.4087	-0.4887
H_r	0.9540	-0.0538	-0.0109	-0.0183
IMP_r	0.2578	0.0350	0.1627	0.5371
SS_r	0.0925	0.3795	0.0439	0.2469

Correlation between variable list 1 and canonical variates from list 2

	1	2	3	4
AN_New_Girls	0.7795	0.0373	0.1496	0.0217
MINI_A_MDEC	0.7266	0.1868	-0.1336	0.0133
MINI_O_GADC	0.7360	0.1020	0.0984	-0.0360
MINI_C_SRC	0.7879	-0.1889	-0.0629	-0.0083

Correlation between variable list 2 and canonical variates from list 1

	1	2	3	4
neur_mean_r	0.8306	-0.0420	0.0333	-0.0193
extr_mean_r	-0.4795	-0.1472	0.1294	0.0313
open_mean_r	-0.0252	0.0814	-0.1450	0.0075
agre_mean_r	-0.4217	-0.1388	-0.1849	-0.0185
cons_mean_r	-0.3486	0.1567	-0.0471	0.0130
AS_r	0.2197	0.1604	0.1502	-0.0393
H_r	0.8563	-0.0234	-0.0040	-0.0015
IMP_r	0.2314	0.0152	0.0598	0.0432
SS_r	0.0830	0.1648	0.0161	0.0198

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Canonical redundancy analysis for canonical correlation 1

Canonical correlation coefficient **0.8976**

Squared canonical correlation coefficient **0.8056**

Proportion of standardized variance	own	opposite
of u variables with ...	variate	variate
of v variables with ...	0.7132	0.5745
	0.2374	0.1913

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Canonical redundancy analysis for canonical correlation 2

Canonical correlation coefficient **0.4342**
 Squared canonical correlation coefficient **0.1885**

	own	opposite
Proportion of standardized variance	variate	variate
of u variables with ...	0.1092	0.0206
of v variables with ...	0.0659	0.0124

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Linear combinations for canonical correlations Number of obs = **105**

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
u1						
AN_New_Girls	.5999681	.1576514	3.81	0.000	.2873394	.9125968
MINI_A_MDEC	.5695399	.1425126	4.00	0.000	.2869321	.8521477
MINI_O_GADC	.3708119	.1544573	2.40	0.018	.0645172	.6771066
MINI_C_SRC	.8689815	.1393436	6.24	0.000	.5926579	1.145305
v1						
neur_mean_r	.4141011	.0921232	4.50	0.000	.2314174	.5967848
extr_mean_r	.0682529	.0657698	1.04	0.302	-.0621711	.1986768
open_mean_r	.0869287	.0632661	1.37	0.172	-.0385304	.2123878
agre_mean_r	-.0281428	.0637076	-0.44	0.660	-.1544773	.0981917
cons_mean_r	.2395914	.0692092	3.46	0.001	.102347	.3768359
AS_r	-.0519735	.0629803	-0.83	0.411	-.1768657	.0729188
H_r	.6641297	.0944253	7.03	0.000	.4768809	.8513786
IMP_r	.0263246	.0736461	0.36	0.721	-.1197185	.1723676
SS_r	.0471567	.0611823	0.77	0.443	-.0741701	.1684834
u2						
AN_New_Girls	-.1855373	.6658946	-0.28	0.781	-1.506031	1.134957
MINI_A_MDEC	1.792406	.6019505	2.98	0.004	.5987155	2.986096
MINI_O_GADC	1.087526	.6524032	1.67	0.099	-.2062136	2.381266
MINI_C_SRC	-2.437291	.5885652	-4.14	0.000	-3.604438	-1.270144
v2						
neur_mean_r	-.5902346	.3891137	-1.52	0.132	-1.361862	.1813925
extr_mean_r	-.6466642	.2778011	-2.33	0.022	-1.197554	-.0957741
open_mean_r	.0693676	.2672261	0.26	0.796	-.4605517	.5992869
agre_mean_r	-.3296606	.2690907	-1.23	0.223	-.8632775	.2039563
cons_mean_r	.5357206	.2923287	1.83	0.070	-.0439781	1.115419
AS_r	.5281932	.2660187	1.99	0.050	.0006681	1.055718
H_r	.1159031	.3988373	0.29	0.772	-.6750063	.9068125
IMP_r	.0195205	.3110695	0.06	0.950	-.597342	.636383
SS_r	.6151659	.2584242	2.38	0.019	.1027011	1.127631
u3						
AN_New_Girls	2.157879	.8120795	2.66	0.009	.5474948	3.768263
MINI_A_MDEC	-2.081885	.7340977	-2.84	0.005	-3.537628	-.6261415
MINI_O_GADC	.8377213	.7956264	1.05	0.295	-.7400356	2.415478
MINI_C_SRC	-1.108315	.717774	-1.54	0.126	-2.531688	.315058
v3						
neur_mean_r	.2279001	.4745365	0.48	0.632	-.7131236	1.168924
extr_mean_r	.7062663	.3387873	2.08	0.040	.0344383	1.378094
open_mean_r	-.5433732	.3258907	-1.67	0.098	-1.189627	.1028802
agre_mean_r	-.6345605	.3281646	-1.93	0.056	-1.285323	.0162023
cons_mean_r	-.1982349	.3565041	-0.56	0.579	-.905196	.5087261
AS_r	.5507254	.3244183	1.70	0.093	-.0926082	1.194059
H_r	-.3063892	.4863948	-0.63	0.530	-1.270928	.6581499

IMP_r	-.1831905	.3793591	-0.48	0.630	-.935474	.5690929
SS_r	.1017336	.3151565	0.32	0.747	-.5232335	.7267007
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u4						
AN_New_Girls	2.290994	3.978416	0.58	0.566	-5.598354	10.18034
MINI_A_MDEC	.7382773	3.596379	0.21	0.838	-6.393477	7.870032
MINI_O_GADC	-2.804349	3.897811	-0.72	0.473	-10.53385	4.925157
MINI_C_SRC	-.3498193	3.516408	-0.10	0.921	-7.322989	6.623351
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v4						
neur_mean_r	-.5733766	2.324777	-0.25	0.806	-5.183496	4.036743
extr_mean_r	.3947587	1.659735	0.24	0.812	-2.896558	3.686075
open_mean_r	.2074603	1.596554	0.13	0.897	-2.958565	3.373486
agre_mean_r	-.3392448	1.607694	-0.21	0.833	-3.527362	2.848873
cons_mean_r	.6239658	1.74653	0.36	0.722	-2.83947	4.087401
AS_r	-.523774	1.58934	-0.33	0.742	-3.675495	2.627947
H_r	.8306843	2.382871	0.35	0.728	-3.894638	5.556007
IMP_r	.7214333	1.858498	0.39	0.699	-2.964038	4.406905
SS_r	-.2017836	1.543966	-0.13	0.896	-3.263527	2.859959

(Standard errors estimated conditionally)

Canonical correlations:

0.8976 0.4342 0.3675 0.0804

Tests of significance of all canonical correlations

	Statistic	df1	df2	F	Prob>F
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. log close
  name: <unnamed>
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> CCA results 29 09 2023.smcl
  log type: smcl
closed on: 29 Sep 2023, 11:31:46

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