

APPENDICES

- **Questionnaire**
- **Data**
- **Canonical variables**

❖ Appendix(1): Questionnaire

Questionnaire-based search

Peace and mercy of God be upon

The oldest to complement this form dealing with research titled (Canonical correlation analysis to understand the relationship between the behaviors of Students) application on the substance of differential equations that are taught in the second quarter the level of the second Faculty of Science, Department of Applied Statistics.

Researcher

Fatima Ibrahim Abdullah AlBadawi

1 - Number: -

2 - Gender:

Male:

☐

Female:

☐

3 - Student housing:

Internal

☐

With relatives

☐

With family

☐

4 - Do you set aside times for study material before setting a data exam:

Yes

No

5 - If you set aside time to study and select the number of hours of study devoted to the study material (daily average): -

There is no

Hour

Tow hour

Most of the piece

6 - Full –time student for the academic duties

Full-time

Duty for the following:-

Phrase	Good	Average	Acceptable	Weak
The book provides a systematic or any other source assistant to article				
Student's ability to use modern methods of teaching				

The level of family income				
teacher ability in control of class				
Susceptibility teacher upon receipt of material in clear and smoothly				
to accept the student material and convinced of their importance in the present time or future				
psychological acceptance of Lecturer (Instructor) from the point of view of the student				

The final estimate of the student in the subject:-

❖ Appendix (2): Data:-

	X1	X2	X3	X4	X5	X6	X7	x8	x9	x10	x11	y1	y2
1	male	With of family	yes	none	full-time	good	Acceptable	median	good	good	median	good	A
2	male	With of family	yes	none	full-time	good	median	median	good	good	median	median	B
3	male	my family	yes	two hour	Partially emptied	good	Acceptable	median	good	median	median	median	B
4	male	With of family	yes	two hour	Partially emptied	median	Acceptable	median	good	good	good	good	B
5	male	my family	yes	none	full-time	Acceptable	Acceptable	good	good	median	Acceptable	median	+C
6	male	my family	yes	two hour	full-time	median	Acceptable	good	good	median	median	median	+C
7	Female	my family	yes	none	Partially emptied	median	Acceptable	median	median	median	good	median	+B
8	Female	my family	yes	none	Partially emptied	median	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable	+C
9	male	my family	no	none	full-time	median	Acceptable	Weak	median	median	median	median	D
10	male	my family	no	none	Partially emptied	Acceptable	Acceptable	Acceptable	good	good	Acceptable	median	B
11	male	my family	yes	none	full-time	good	Acceptable	good	good	median	Acceptable	good	+B
12	Female	my family	yes	two hour	full-time	median	median	good	good	Acceptable	good	Acceptable	+C
13	male	my	yes	one	full-time	Acceptable	median	median	Acceptable	Acceptable	median	median	A

	e	fami ly	s	hou r		table			ble	ble			
14	mal e	my fami ly	ye s	non e	full-time	medie n	Weak	medien	medien	good	medien	medien	C
15	mal e	my fami ly	ye s	non e	full-time	medie n	Weak	medien	medien	medien	Acceptabl e	medien	B
16	Fem ale	my fami ly	ye s	one hou r	Partially emptied	good	Acceptabl e	medien	good	Accepta ble	good	Acceptabl e	C
17	Fem ale	my fami ly	ye s	two hou r	Partially emptied	Accep table	Acceptabl e	medien	Accepta ble	Weak	good	Weak	+C
18	Fem ale	my fami ly	ye s	two hou r	Partially emptied	medie n	Acceptabl e	medien	Accepta ble	Accepta ble	medien	Acceptabl e	B
19	Fem ale	my fami ly	ye s	mor e tha n	full-time	good	medien	Accepta ble	medien	medien	good	medien	B
20	Fem ale	Wit h of fami ly	ye s	non e	full-time	medie n	Acceptabl e	Accepta ble	medien	medien	good	good	B
21	mal e	my fami ly	ye s	two hou r	full-time	medie n	good	medien	good	good	good	medien	+B
22	mal e	my fami ly	ye s	non e	full-time	good	medien	medien	medien	medien	medien	medien	+C
23	mal e	my fami ly	ye s	non e	full-time	medie n	good	Accepta ble	Accepta ble	Accepta ble	good	medien	+C
24	mal e	inte r hom e	ye s	one hou r	full-time	good	medien	Accepta ble	good	good	medien	good	+B
25	mal e	my fami ly	no	non e	full-time	Accep table	Weak	good	Accepta ble	Accepta ble	Acceptabl e	medien	+B
26	mal e	my fami ly	no	non e	full-time	Weak	Weak	medien	medien	Accepta ble	medien	medien	+C

27	male	Wife of family	yes	one hour	Partially emptied	good	median	median	good	Acceptable	Acceptable	median	+B
28	male	Wife of family	yes	one hour	full-time	Acceptable	Acceptable	median	Acceptable	Acceptable	Acceptable	median	D
29	male	my family	no	one hour	Partially emptied	Acceptable	median	median	good	median	Acceptable	Acceptable	+C
30	male	my family	yes	more than	Partially emptied	Acceptable	median	good	good	Acceptable	good	Acceptable	D
31	male	my family	yes	none	Partially emptied	median	median	median	good	Acceptable	median	Acceptable	+C
32	Female	my family	yes	two hours	full-time	good	good	median	Acceptable	Acceptable	median	Weak	D
33	Female	Wife of family	yes	one hour	full-time	median	good	median	good	good	good	good	C
34	male	my family	yes	two hours	Partially emptied	median	median	good	good	median	median	good	B
35	male	my family	yes	two hours	Partially emptied	good	median	median	Acceptable	median	good	good	A
36	male	my family	yes	two hours	full-time	good	Acceptable	median	Acceptable	Acceptable	Acceptable	good	+A
37	male	Wife of family	yes	none	full-time	good	median	median	good	median	Acceptable	median	B
38	male	interhome	yes	two hours	full-time	good	median	median	good	good	good	good	A
39	male	my family	yes	more	full-time	median	Acceptable	good	median	Acceptable	median	good	B

		ly		tha n									
40	mal e	my fami ly	ye s	mor e tha n	full-time	medie n	Acceptabl e	good	Accepta ble	medien	Acceptabl e	medien	D
41	mal e	my fami ly	ye s	two hou r	full-time	medie n	Acceptabl e	good	medien	medien	good	good	C
42	mal e	my fami ly	ye s	one hou r	Partially emptied	good	medien	good	good	good	good	good	+B
43	mal e	my fami ly	no	one hou r	Partially emptied	good	medien	good	Accepta ble	Accepta ble	medien	Weak	+C
44	mal e	my fami ly	ye s	one hou r	Partially emptied	medie n	Acceptabl e	good	medien	good	Acceptabl e	good	B
45	mal e	my fami ly	ye s	non e	full-time	medie n	medien	medien	good	medien	medien	good	B
46	mal e	my fami ly	ye s	one hou r	Partially emptied	good	good	medien	good	medien	medien	medien	+B
47	mal e	my fami ly	ye s	two hou r	Partially emptied	medie n	Acceptabl e	good	medien	medien	medien	medien	+A
48	mal e	my fami ly	ye s	one hou r	full-time	good	medien	medien	medien	medien	Acceptabl e	Acceptabl e	A
49	mal e	inte r hom e	ye s	non e	full-time	good	Acceptabl e	good	medien	medien	medien	Acceptabl e	+B
50	mal e	my fami ly	ye s	one hou r	full-time	good	Acceptabl e	medien	good	medien	medien	medien	B
51	Fem ale	my fami ly	ye s	one hou r	full-time	good	medien	good	medien	Accepta ble	good	Acceptabl e	C
52	mal e	inte r hom e	ye s	non e	full-time	Accep table	Weak	medien	good	Accepta ble	medien	good	+B

53	male	my family	yes	none	full-time	median	median	median	good	median	good	median	D
54	male	interhome	yes	one hour	full-time	Acceptable	Acceptable	median	Acceptable	Acceptable	median	Acceptable	+C
55	male	interhome	yes	none	full-time	median	Weak	median	good	Acceptable	median	Acceptable	+C
56	male	my family	yes	none	full-time	good	Acceptable	Acceptable	good	Acceptable	Acceptable	median	+C
57	Female	Wife of family	yes	one hour	full-time	median	good	Acceptable	good	good	median	good	C

❖ Appendix(3): Canonical variables

	u1	v1	u2	v2
1	1.030533	-2.331738	1.952162	1.084318
2	2.061066	-2.04056	2.126531	2.168637
3	2.061066	-1.291401	1.575416	2.168637
4	.8415411	-2.495216	1.913502	2.455366
5	1.96657	-1.617676	3.913385	2.854161
6	1.96657	-1.790067	3.418161	2.854161
7	2.155562	-.4911043	2.998849	1.483113
8	3.186095	.6044372	2.503659	2.567431
9	1.777578	-1.136354	3.730575	4.225209
10	2.061066	-1.552748	3.306125	2.168637
11	.9360371	-1.085644	2.231827	1.769842
12	3.186095	.1069647	4.900755	2.567431
13	2.250058	-.6414334	3.751648	.7975891
14	1.872074	-2.929081	2.741248	3.539685
15	2.061066	-1.805559	2.661385	2.168637
16	3.091599	.4662863	2.800101	3.252955
17	4.405621	1.062353	3.744051	2.280702
18	3.280591	.4743256	2.626186	1.881908
19	2.061066	-1.238651	4.031081	2.168637
20	.8415411	-1.154621	3.864315	2.455366
21	2.155562	-2.639528	4.069789	1.483113
22	1.96657	-1.091925	2.347818	2.854161
23	1.96657	-.3754396	3.4032	2.854161
24	.9360371	-2.314965	1.850543	1.769842
25	2.155562	.5004339	3.188157	1.483113
26	1.96657	-.3541913	4.890319	2.854161
27	2.155562	.4608568	1.003825	1.483113
28	1.777578	-.6121491	2.816249	4.225209
29	3.186095	-.1163258	3.439617	2.567431
30	2.997103	-.5217497	3.568941	3.938479
31	3.186095	.0262117	2.522094	2.567431
32	4.216629	.7817531	3.359138	3.65175
33	.652549	-1.550161	4.434833	3.826414
34	.8415411	-.9579436	2.367535	2.455366
35	1.030533	-.8438119	1.008499	1.084318
36	1.125029	-.4176737	1.800787	.3987946
37	2.061066	-.9170376	2.046668	2.168637
38	1.030533	-2.293243	1.88953	1.084318
39	.8415411	-.8075427	3.140432	2.455366

40	1.777578	-1.516011	2.403466	4.225209
41	.652549	-1.779231	3.136755	3.826414
42	.9360371	-1.663616	1.523079	1.769842
43	4.405621	1.869195	.8923567	2.280702
44	.8415411	-1.805757	1.37266	2.455366
45	.8415411	-1.503516	3.648477	2.455366
46	2.155562	-.5572105	1.840613	1.483113
47	2.344554	-1.103547	1.733287	.1120652
48	3.469584	-1.10902	2.252884	.5108597
49	3.375087	-.703362	.7853095	1.196384
50	2.061066	-1.680512	2.71687	2.168637
51	3.091599	.6703894	3.516556	3.252955
52	.9360371	-.9916595	3.074019	1.769842
53	1.777578	-1.638256	3.826952	4.225209
54	3.186095	-.561165	2.412168	2.567431
55	3.186095	-.7256433	2.23324	2.567431
56	1.96657	-.7134511	2.776495	2.854161
57	.652549	-1.723717	4.479387	3.826414