

27/1/2016



DOON UNIVERSITY, DEHRADUN

Semester Mid Term Examination, even Semester, 2016

School of social science

M.A. (Economics) 2nd Sem

Course: SSEI-532 Econometrics practical

Time Allowed: 1.5Hours

Maximum Marks: 20

Sec A:-

(5 marks)

1. In following data check the multicollinierity problem. Is it there or not, interpret the result

y	x1	x2
100	100	100
106	104	99
107	106	110
120	111	126
110	111	113
116	115	103
123	120	102
133	124	103
137	126	98

2. The given data contain information about family consumption. The variables are age, income, family size job status (public, private), social status (lower, middle, upper), religion (hindu, muslim, sikh and catholic), saving and expenditure. In this data, check the problem of hetroskadasticity.

(5 marks)

	Age	Family_size	Job_status	Social_status	Education	Religion	Savings	Expenditure
1	52.00	4.00	2.00	3.00	4.00	1.00	22000.00	40123.00
2	29.00	3.00	2.00	2.00	3.00	1.00	10000.00	22000.00
3	32.00	4.00	2.00	2.00	3.00	1.00	15000.00	27000.00
4	32.00	4.00	2.00	3.00	4.00	1.00	18000.00	57231.00
5	23.00	5.00	1.00	3.00	4.00	2.00	25000.00	60120.00
6	21.00	3.00	1.00	1.00	2.00	1.00	4000.00	8000.00
7	27.00	3.00	2.00	2.00	3.00	1.00	4000.00	24000.00
8	45.00	4.00	2.00	3.00	4.00	1.00	20000.00	42000.00
9	26.00	5.00	2.00	2.00	2.00	1.00	12000.00	30000.00
10	35.00	3.00	2.00	3.00	2.00	1.00	20000.00	44000.00
11	20.00	4.00	2.00	2.00	4.00	1.00	17000.00	24546.00
12	19.00	3.00	2.00	2.00	4.00	1.00	16000.00	20410.00
13	19.00	5.00	2.00	2.00	4.00	1.00	16000.00	28336.00
14	20.00	5.00	1.00	3.00	3.00	3.00	29000.00	35000.00
15	18.00	4.00	2.00	2.00	4.00	1.00	16000.00	32976.00
16	19.00	7.00	1.00	3.00	3.00	3.00	36000.00	49000.00
17	20.00	5.00	1.00	3.00	3.00	3.00	32000.00	40000.00
18	18.00	4.00	2.00	2.00	4.00	2.00	23000.00	29585.00
19	19.00	3.00	2.00	2.00	3.00	1.00	12000.00	27673.00
20	17.00	5.00	2.00	3.00	4.00	1.00	27000.00	32387.00

Sec C:- Attempt Any one

(5 marks)

Year	y	x1	x2	t
1955	114	83	182	2
1956	120	85	193	4
1957	129	87	205	9
1958	134	89	215	10
1959	139	91	225	11
1960	150	95	237	14
1961	157	95	248	17
1962	165	96	260	19
1963	178	103	275	20
1964	199	109	295	23
1965	212	117	315	24
1966	226	115	337	30
1967	241	115	363	35
1968	260	120	391	38
1969	277	122	422	39
1970	296	129	455	40
1971	306	133	484	41
1972	329	137	520	42
1973	354	159	561	43

Check the autocorrelation problem in above data.

4. All entry Should Be entered in SPSS software.

(5 marks)