



**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore**

**Ccontinuous Internal Assessment -II, October 2025**

**III B.A. Economics**

**23BECC10 - Econometrics - I - SPSS/R/Python**

**Practical –Set -1**

**Max Marks: 60**

**Answer any three questions**

**(2 x 20 =40)**

1. Estimate dummy variable model for the following data in SPSS

Income	2060	2170	2300	2370	2540	2670	2810	2900	3110
Sex	Male	Female	Male	Female	Male	Female	Male	Female	Male
Occupation	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised

2. Estimate dummy variable model for the following data

Income (Rs.000)	10	15	18	20	22	25	27	30	35
Occupation	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised

**Theory**

**Answer any three questions**

**(2 x 10 =20)**

1. How can you test the change in intercept using dummy variable?
2. How the seasonal variation can be measured using dummy variable?



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**23BECC10 - Econometrics - I - SPSS/R/Python**

**Practical –Set -2**

**Max Marks: 60**

**Answer any three questions**

**(2 x 20 =40)**

1. Estimate dummy variable model for the following data in SPSS

Income	3060	3170	3300	1370	3540	3670	1810	3900	4110
sex	Male	Female	Male	Female	Male	Female	Male	Female	Male
Occupation	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised

2. Estimate dummy variable model for the following data

Income (Rs.000)	20	35	40	60	32	35	47	30	35
Occupation	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised

**Theory**

**Answer any three questions**

**(2 x 10 =20)**

1. How can you test the change in intercept using dummy variable?
2. How the seasonal variation can be measured using dummy variable?



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**23BECC10 - Econometrics - I - SPSS/R/Python**

**Practical –Set -3**

**Max Marks: 60**

**Answer any three questions**

**(2 x 20 =40)**

1. Estimate dummy variable model for the following data in SPSS

Income	5060	4170	4300	2370	4540	4670	2810	2900	4110
sex	Male	Female	Male	Female	Male	Female	Male	Female	Male
Occupation	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised

2. Estimate dummy variable model for the following data

Income (Rs.000)	1000	3000	4000	5000	6000	7000	8000	9000	10000
Occupation	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised	Unorganaised	Organaised

**Theory**

**Answer any three questions**

**(2 x 10 =20)**

1. How can you test the change in intercept using dummy variable?
2. How the seasonal variation can be measured using dummy variable?



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**23BECC10 - Econometrics - I - SPSS/R/Python**

**Practical –Set -4**

**Max Marks: 60**

**Answer any three questions**

**(2 x 20 =40)**

1. Estimate dummy variable model for the following data in SPSS

Income	5000	6000	7000	8000	9000	10000	11000	12000	13000
sex	Male	Female	Male	Female	Male	Female	Male	Female	Male
Occupation	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised

2. Estimate dummy variable model for the following data

Income (Rs.000)	100	300	400	500	600	700	800	900	1000
Occupation	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised

**Theory**

**Answer any three questions**

**(2 x 10 =20)**

1. How can you test the change in intercept using dummy variable?
2. How the seasonal variation can be measured using dummy variable?



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**23BECC10 - Econometrics - I - SPSS/R/Python**

**Practical –Set -5**

**Max Marks: 60**

**Answer any three questions**

**(2 x 20 =40)**

1. Estimate dummy variable model for the following data in SPSS

Income	2000	4000	6000	8000	10000	12000	14000	16000	18000
sex	Male	Female	Male	Female	Male	Female	Male	Female	Male
Occupation	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised

2. Estimate dummy variable model for the following data

Income (Rs.000)	1000	3000	4000	5000	6000	7000	8000	9000	10000
Occupation	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised	Unorganised	Organised

**Theory**

**Answer any three questions**

**(2 x 10 =20)**

1. How can you test the change in intercept using dummy variable?
2. How the seasonal variation can be measured using dummy variable?