

Appendix I Descriptive Statistics - Dependent Variables

1. Perception of Learning Challenges Experienced in the Study of Economics

		Statistics								
		Building up your knowledge of Economics	Understanding theory and concepts	Understanding numerical calculations	Applying theory to business problems	Understanding relevance of theory to the real world	Linking different theories together	Applying skills to specific business problems	Solving complex business problems	
N	Valid	255	254	252	251	252	252	251	247	
	Missing	0	1	3	4	3	3	4	8	
	1- very difficult	5	6	11	5	8	5	8	15	
	2	21	41	34	42	30	47	49	65	
	3	104	86	75	96	80	99	104	111	
	4	101	98	91	90	97	89	78	46	
	5-very easy	24	23	41	18	37	12	12	10	
	Median	3.00	3.00	4.00	3.00	4.00	3.00	3.00	3.00	
	Mode	3.00	4.00	4.00	3.00	4.00	3.00	3.00	3.00	

2. Performance Outcomes – Economics Exam

		Overall Exam	MCQ only	CASE only	ESSAY only
		%	%	%	%
N	Valid	225	225	225	225
	Missing	30	30	30	30
Mean		59.78	57.47	71.58	58.59
Median		61.00	56.67	80.00	62.50
Mode		50.00	50.00	100.00	62.50
Std. Deviation		12.23	16.56	25.56	12.78
Range		72.00	80.00	100.00	70.00
Minimum		12.00	13.33	0.00	10.00
Maximum		84.00	93.33	100.00	80.00

3. Performance Outcomes – Other Core Subjects

		Statistics				
		PM Exam	Acc Exam	Fin Exam	MK Exam	OB Exam
		%	%	%	%	%
N	Valid	151	155	133	160	209
	Missing	104	100	122	95	46
Mean		65.13	63.65	60.59	60.73	61.63
Median		66.00	63.00	61.00	61.50	62.00
Mode		80.00	50.00	52.00	68.00	50.00
Std. Deviation		11.98	14.10	15.74	10.11	9.36
Range		73.00	70.00	77.00	51.00	48.00
Minimum		19.00	22.00	16.00	31.00	33.00
Maximum		92.00	92.00	93.00	82.00	81.00

Independent Variables

Teaching Context – Satisfaction with EBS Course Materials

		Satisfaction understanding relevance of theory								
		Satisfaction building up your knowledge of Economics	Satisfaction understanding theory and concepts	Satisfaction understanding numerical calculations	Satisfaction applying theory to business problems	Satisfaction understanding relevance of theory	Satisfaction linking different theories together	Satisfaction applying skills to specific business problems	Satisfaction solving complex business problems	
N	Valid	252	252	252	250	250	249	249	243	
	Missing	3	3	3	5	5	6	6	12	
	1-not satisfied	3	3	8	5	7	7	5	13	
	2	19	18	25	36	30	33	45	54	
	3	50	64	82	89	66	92	87	101	
	4	122	126	103	100	108	97	87	59	
	5-very satisfied	58	41	34	20	39	20	25	16	
	Median	4.00	4.00	4.00	3.00	4.00	3.00	3.00	3.00	
	Mode	4.00	4.00	4.00	4.00	4.00	4.00	3.00 ^a	3.00	

a. Multiple modes exist. The smallest value is shown

Online Distance Learning Context

		Statistics					
		Working on your own	Maintaining your motivation	Managing your time	Building a sense of belonging to EBS	Interacting with EBS faculty	Networking with other students
N	Valid	253	254	254	248	235	234
	Missing	2	1	1	7	20	21
	1-very challenging	41	36	54	49	27	71
	2	55	68	72	60	56	55
	3	62	55	56	80	73	66
	4	58	68	49	43	46	33
	5-not challenging	37	27	23	16	33	9
	Median	3.00	3.00	3.00	3.00	3.00	2.00
	Mode	3.00	2.00 ^a	2.00	3.00	3.00	1.00

a. Multiple modes exist. The smallest value is shown

Learning Style

		Statistics			
		Active-Reflective	Sensing-Intuitive	Visual-Verbal	Sequential-Global
N	Valid	254	254	254	254
	Missing	1	1	1	1
1		0	6	16	5
2		6	23	53	7
3		15	23	36	16
4		15	39	37	28
5		37	38	28	44
6		38	27	22	33
7		36	25	16	35
8		47	22	14	38
9		27	19	11	25
10		14	18	14	17
11		14	10	4	4
12		5	4	3	2
Mean		6.91	5.86	4.70	6.33
Median		7.00	5.00	4.00	6.00
Mode		8.00	4.00	2.00	5.00
Std. Deviation		2.30	2.73	2.75	2.32
Range		10.00	11.00	11.00	11.00
Minimum		2.00	1.00	1.00	1.00
Maximum		12.00	12.00	12.00	12.00

Age

Statistics		
Age		
N	Valid	255.00
	Missing	0.00
Mean		36.49
Median		36.00
Mode		32.00
Std. Deviation		7.76
Range		57.00
Minimum		0.00
Maximum		57.00

Gender

	Frequency	Valid Percent	Cumulative Percent
Female	84	32.9	32.9
Male	171	67.1	100.0
Total	255	100.0	

Previously Studied Economics

	Frequency	Valid Percent	Cumulative Percent
Yes	112	50.0	50.0
No	112	50.0	100.0
Total	224	100.0	

Whether Passed Economics At First Attempt

	Frequency	Valid Percent	Cumulative Percent
Yes	207	91.6	8.4
No	19	8.4	100.0
Total	226	100.0	

Employment Status

	Frequency	Valid Percent	Cumulative Percent
Employed	191	86.4	86.4
Not Employed	30	13.6	100.0
Total	221	100.0	

English as First Language

	Frequency	Valid Percent	Cumulative Percent
No	108	48.9	48.9
Yes	113	51.1	100.0
Total	221	100.0	

Highest Qualification Degree Level

	Frequency	Valid Percent	Cumulative Percent
No	66	26.8	26.8
Yes	180	73.2	100.0
Total	246	100.0	

Region

	Frequency	Valid Percent	Cumulative Percent
Africa	87	34.1	34.1
North America	37	14.5	48.6
Trinidad & Tobago	28	11.0	59.6
Rest of World	39	15.3	74.9
Europe	64	25.1	100.0
Total	255	100.0	