

	1	1961100 1	100,0 0	75,00	88,33	82,50	77,00	79,00	77,65
	2	1961100 8	100,0 0	80,00	90,00	82,50	81,50	79,00	79,52
	3	1961100 9	92,50	83,00	89,17	84,00	81,50	79,00	79,99
	4	1961101 4	92,50	75,00	88,33	81,50	77,00	79,00	76,78
	5	1961101 7	100,0 0	83,00	90,00	82,50	77,00	79,00	79,09
	6	1961101 9	92,50	83,00	100,0 0	86,50	79,00	79,00	82,05
	7	1961102 4	100,0 0	83,00	89,17	82,50	79,00	79,00	79,31
	8	1961102 7	92,50	75,00	89,17	85,00	81,50	79,00	79,06
	9	1961102 8	100,0 0	83,00	90,00	81,50	80,00	79,00	79,47
	10	1961102 9	75,00	80,00	90,00	84,00	81,50	79,00	78,16
	11	1961103 6	92,50	80,00	90,00	82,50	80,00	79,00	78,56
	12	1961103 7	92,50	80,00	83,33	81,50	81,50	79,00	77,39
	13	1961103 9	100,0 0	80,00	85,83	81,50	77,00	79,00	77,68
	14	1961104 3	92,50	82,00	90,00	81,50	80,00	79,00	78,65
	15	1961104 5	92,50	80,00	90,00	84,00	80,00	79,00	78,85
	16	1961104 8	100,0 0	80,00	90,00	82,50	79,00	79,00	79,05
	17	1961104 9	100,0 0	83,00	90,00	82,50	81,50	79,00	79,94
	18	1961105 0	92,50	82,00	98,33	84,00	81,50	79,00	80,99
	19	1961105 8	100,0 0	75,00	94,17	84,00	81,50	79,00	79,90
	20	1961110 4	100,0 0	83,00	90,00	44,00	81,50	79,00	73,23
	21	1961112 3	92,50	82,00	89,17	85,00	77,00	79,00	78,59
	22	1961115 5	92,50	83,00	90,00	85,00	80,00	79,00	80,06
	23	1961117 3	100,0 0	82,00	90,00	85,00	81,50	79,00	80,28
	24	1961118 1	93,75	80,00	90,83	85,00	79,00	79,00	79,12
	25	1561107 9	67,50	80,00	85,00	0,00	78,67	78,00	60,19

	26	1861104 8	67,50	80,00	78,33	81,50	78,67	78,00	73,51
	27	1961105 9	92,50	80,00	94,17	82,50	79,67	78,00	79,15
	28	1961106 0	92,50	80,00	90,00	83,50	78,33	78,00	79,19
	29	1961106 4	92,50	80,00	90,00	81,50	78,67	78,00	77,98
	30	1961106 6	92,50	80,00	90,00	83,50	79,67	78,00	78,55
	31	1961106 7 0	100,0 0	80,00	40,83	80,00	80,33	78,00	69,34
	32	1961106 8	92,50	80,00	90,00	81,50	78,67	78,00	78,88
	33	1961106 9	92,50	80,00	85,00	80,00	79,00	78,00	76,81
	34	1961107 0	92,50	83,00	90,00	80,00	80,33	78,00	79,33
	35	1961107 1	92,50	83,00	90,00	80,50	80,33	78,00	79,42
	36	1961107 3	92,50	80,00	88,33	83,50	79,67	78,00	78,23
	37	1961107 5	92,50	80,00	90,00	80,50	80,33	78,00	79,00
	38	1961107 6	92,50	83,00	90,00	81,50	78,67	0,00	67,48
	39	1961107 7	92,50	80,00	86,67	82,50	79,67	78,00	78,62
	40	1961107 9	92,50	80,00	90,00	80,00	80,33	78,00	78,01
	41	1961108 1	92,50	83,00	78,33	83,50	79,67	78,00	76,75
	42	1961108 6	92,50	80,00	78,33	80,00	80,33	78,00	75,79
	43	1961108 8	67,50	83,00	85,00	82,50	78,33	78,00	75,32
	44	1961108 9	92,50	80,00	90,00	83,50	79,67	78,00	78,55
	45	1961109 1	67,50	83,00	90,00	82,50	79,67	78,00	76,53
	46	1961109 3	92,50	80,00	82,50	83,50	79,67	78,00	78,02
	47	1961109 4	92,50	80,00	87,50	80,00	79,00	78,00	78,18
	48	1961109 7	87,50	80,00	73,33	82,50	79,67	78,00	74,74
	49	1961109 9	92,50	80,00	76,67	81,50	78,67	78,00	75,44
	50	1961110 1	92,50	80,00	89,58	84,00	78,33	78,00	79,21

	51	1961110 2	100,0 0	80,00	85,83	80,00	79,00	78,00	77,64
	52	1961110 3	92,50	83,00	78,33	83,50	79,67	78,00	77,65
	53	1961110 5	92,50	83,00	90,00	85,00	78,33	78,00	79,90
	54	1961110 7	92,50	80,00	90,00	80,00	79,00	78,00	78,66
	55	1961111 1	92,50	83,00	85,83	80,00	80,33	78,00	77,64
	56	1961111 4	92,50	83,00	88,33	80,00	79,00	78,00	77,86
	57	1961111 9	92,50	80,00	85,00	82,00	78,33	78,00	77,06
	58	1961112 6	92,50	83,00	83,33	82,50	78,33	78,00	77,26
	59	1961113 2	92,50	80,00	86,67	82,50	79,67	78,00	77,72
	60	1961113 4	92,50	83,00	95,83	80,00	79,00	78,00	80,18
	61	1961114 3	92,50	80,00	71,67	82,50	79,67	78,00	75,77
	62	1961100 4	92,50	82,00	86,67	82,00	78,50	79,00	77,83
	63	1961104 4	92,50	82,00	80,00	84,00	81,00	79,00	77,42
	64	1961105 2	100,0 0	82,00	84,17	81,00	79,00	79,00	78,83
	65	1961106 2	92,50	82,00	71,67	40,00	79,00	79,00	67,09
	66	1961108 3	92,50	82,00	86,67	83,00	81,50	79,00	78,59
	67	1961108 4	100,0 0	81,00	86,67	83,50	79,50	79,00	78,84
	68	1961108 7	92,50	82,00	89,17	83,00	81,00	79,00	78,97
	69	1961109 2	87,50	82,00	73,33	82,00	81,50	79,00	75,41
	70	1961109 5	92,50	81,00	90,00	82,00	81,50	79,00	78,89
	71	1961109 6	67,50	82,00	90,00	80,00	79,00	79,00	76,83
	72	1961109 8	92,50	82,00	92,50	83,00	79,00	79,00	79,22
	73	1961110 8	62,50	82,00	86,67	83,50	81,00	79,00	75,89
	74	1961111 0	92,50	83,00	90,00	82,00	81,50	79,00	79,17
	75	1961111 2	92,50	82,00	71,67	82,00	77,50	79,00	74,79

	76	1961111 3	100,0 0	81,00	86,67	82,50	77,50	79,00	78,27
	77	1961111 6	92,50	83,00	86,67	82,50	78,00	79,00	77,97
	78	1961111 7	100,0 0	82,00	74,17	82,50	77,50	79,00	76,03
	79	1961112 9	92,50	82,00	71,67	82,00	78,00	79,00	74,88
	80	1961113 1	92,50	83,00	90,00	82,00	78,00	79,00	78,51
	81	1961113 3	65,00	82,00	94,17	83,00	79,50	79,00	77,16
	82	1961113 5	92,50	82,00	82,50	84,50	78,00	79,00	77,42
	83	1961113 7	87,50	82,00	90,00	83,50	79,50	79,00	78,49
	84	1961114 7	92,50	83,00	86,67	82,00	78,50	79,00	77,97
	85	1961114 9	100,0 0	81,00	81,67	82,00	77,50	79,00	77,22
	86	1961115 0	87,50	82,00	75,00	82,00	81,00	79,00	75,64
	87	1961115 1	67,50	82,00	88,33	84,50	81,50	79,00	77,84
	88	1961115 2	92,50	82,00	85,00	82,50	81,50	79,00	78,18
	89	1961115 6	97,50	82,00	90,00	82,00	78,00	79,00	78,82
	90	1961115 7	92,50	81,00	76,67	82,00	77,50	79,00	75,60
	91	1961115 8	67,50	82,00	73,33	40,00	78,00	79,00	64,97
	92	1961116 3	92,50	82,00	84,17	82,00	78,50	79,00	77,35
	93	1961116 6	92,50	81,00	85,00	82,50	79,50	79,00	77,66
	94	1961116 7	92,50	82,00	84,17	83,50	79,50	79,00	77,83
	95	1961116 9	92,50	83,00	85,00	82,00	79,00	79,00	77,75
	96	1961117 0	92,50	83,00	84,17	83,00	77,00	0,00	66,34
	97	1961117 1	92,50	83,00	90,00	83,50	81,50	79,00	79,46
	98	1961117 2	97,50	82,00	90,00	80,00	81,00	79,00	79,01
	99	1961117 4	92,50	82,00	83,33	80,00	79,50	79,00	77,90
	100	1961118 0	92,50	82,00	90,00	86,00	77,50	79,00	79,93

10	1961118								
1	2	92,50	82,00	94,58	82,00	78,50	79,00	79,33	
10	1961118	100,0							
2	4	0	81,00	90,00	82,00	79,50	79,00	79,19	
10	1961118	100,0							
3	6	0	82,00	90,00	83,50	81,00	79,00	79,90	
10	1961118								
4	7	67,50	83,00	56,67	83,50	78,50	79,00	71,20	
10	1961118								
5	8	67,50	81,00	88,33	83,00	79,50	79,00	77,03	
10	1961118								
6	9	67,50	82,00	79,17	82,00	77,50	79,00	73,96	
10	1961119								
7	0	92,50	82,00	85,00	82,00	77,50	79,00	78,22	
10	1961119								
8	2	42,50	82,00	82,50	80,00	78,50	79,00	72,16	
10	1961119								
9	3	92,50	82,00	83,33	82,00	77,50	79,00	77,90	
11	1861100								
0	3	92,50	79,00	80,00	80,00	81,00	79,00	76,24	
11	1961100								
1	2	92,50	80,00	85,00	80,00	81,00	79,00	78,23	
11	1961100								
2	3	85,00	79,00	85,83	82,00	79,00	79,00	77,57	
11	1961100								
3	6	92,50	79,00	90,00	83,00	80,00	79,00	78,52	
11	1961101								
4	0	92,50	80,00	84,17	82,50	80,50	79,00	77,55	
11	1961101								
5	3	92,50	79,00	83,33	82,00	80,00	79,00	77,06	
11	1961101								
6	6	67,50	80,00	88,33	82,50	80,50	79,00	76,09	
11	1961102								
7	2	92,50	80,00	80,00	82,00	78,50	79,00	76,28	
11	1961102								
8	6	92,50	80,00	86,67	82,50	78,50	79,00	77,64	
11	1961103								
9	0	92,50	79,00	84,17	81,50	81,00	79,00	78,21	
12	1961104								
0	0	75,00	79,00	86,67	82,00	79,00	79,00	75,93	
12	1961104								
1	7	0,00	80,00	0,00	0,00	0,00	79,00	0,00	
12	1961105								
2	1	92,50	80,00	84,17	81,00	81,00	79,00	78,26	
12	1961105								
3	3	92,50	80,00	85,83	81,00	79,50	79,00	78,29	
12	1961105								
4	4	92,50	80,00	86,67	82,00	79,00	79,00	77,64	
12	1961105								
5	5	92,50	79,00	84,17	83,00	80,00	79,00	78,31	

		12	1961105	100,0						
		6	6	0	80,00	85,00	82,50	80,00	79,00	79,19
		12	1961105	100,0						
		7	7	0	80,00	83,33	82,00	78,50	79,00	78,49
		12	1961107							
		8	2	92,50	80,00	83,33	81,00	81,00	79,00	78,10
		12	1961107							
		9	4	92,50	80,00	80,00	82,00	80,00	79,00	77,47
		13	1961107							
		0	8	92,50	80,00	84,17	83,50	80,50	79,00	77,74
		13	1961110	100,0						
		1	6	0	79,00	83,33	80,00	81,00	79,00	78,44
		13	1961110							
		2	9	87,50	80,00	85,83	83,00	80,00	79,00	78,31
		13	1961112							
		3	0	92,50	80,00	90,00	82,00	79,00	79,00	78,28
		13	1961112							
		4	2	92,50	79,00	90,00	82,00	80,00	79,00	78,33
		13	1961112							
		5	7	87,50	80,00	86,67	82,50	80,50	79,00	77,57
		13	1961113							
		6	0	92,50	0,00	83,33	80,50	79,50	79,00	65,62
		13	1961113							
		7	6	92,50	80,00	90,00	80,50	79,50	79,00	78,09
		13	1961113							
		8	8	82,50	80,00	68,33	81,50	81,00	79,00	73,54
		13	1961113	100,0						
		9	9	0	80,00	95,00	83,00	80,00	79,00	80,28
		14	1961114							
		0	0	67,50	80,00	90,00	81,50	81,00	79,00	77,21
		14	1961114							
		1	1	92,50	80,00	80,00	82,50	78,50	79,00	76,38
		14	1961114							
		2	4	92,50	79,00	88,33	81,00	81,00	79,00	78,01
		14	1961114	100,0						
		3	5	0	80,00	82,50	84,00	80,50	79,00	79,09
		14	1961114							
		4	6	92,50	80,00	90,00	80,50	79,50	79,00	78,99
		14	1961114							
		5	8	92,50	79,00	86,67	83,00	80,00	79,00	77,88
		14	1961115							
		6	3	87,50	80,00	75,83	82,00	78,50	79,00	75,04
		14	1961115							
		7	4	92,50	80,00	80,00	82,00	79,00	79,00	76,38
		14	1961115							
		8	9	92,50	80,00	85,83	82,00	78,50	79,00	77,39
		14	1961116							
		9	0	67,50	80,00	88,33	81,00	81,00	79,00	75,90
		15	1961116							
		0	1	87,50	80,00	83,33	81,00	81,00	79,00	76,75

15	1961116	92,50	80,00	90,00	82,00	81,00	79,00	79,56
1	4							
15	1961116	92,50	79,00	84,17	82,00	80,00	79,00	77,22
2	5							
15	1961116	77,50	80,00	90,00	81,00	79,50	79,00	76,83
3	8							
15	1961117	87,50	80,00	80,00	82,00	80,00	79,00	76,12
4	5							
15	1961117	92,50	80,00	80,00	82,50	80,50	79,00	77,66
5	6							
15	1961117	85,00	80,00	86,67	82,00	79,00	79,00	77,87
6	7							
15	1961117	92,50	80,00	85,83	81,00	79,50	79,00	78,29
7	8							
15	1961117	92,50	80,00	85,00	82,50	80,50	79,00	78,61
8	9							
15	1961118	92,50	80,00	85,00	83,00	80,00	79,00	78,61
9	5							

Achievement of PLO in Design of Experiment course Academic Year 2020/2021

Official Statistics II	PLO											
	E	N	T	H	U	S	I	A	S	T	I	C
CO1						89,69						
CO2						80,33						
CO3						84,93						
CO4						80,43						
CO5						79,05						
CO6						77,78						
Achievement of PLO						76,78						

LEARNING
OUTCOME
ANALYSIS

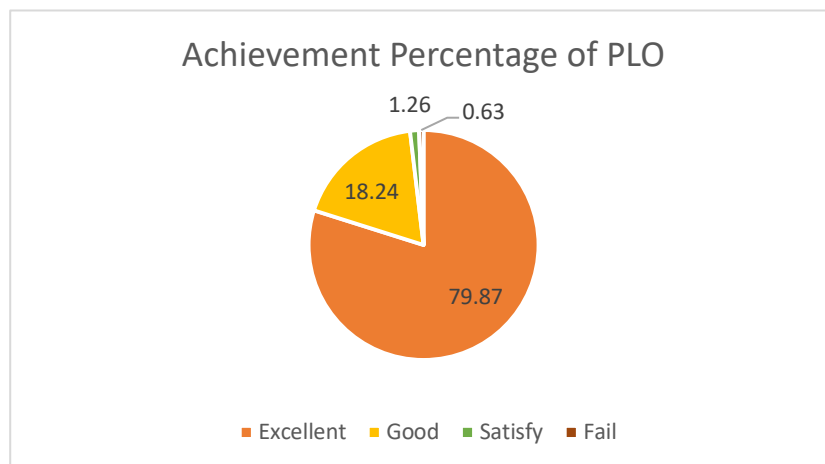
PLO Assessment Rubric

PLO	Description	Excellent	Good	Satisfy	Fail
Science	Students understand various census and survey activities, especially activities on official economic statistics so that students understand	Students understand various census and survey activities, especially activities on official economic statistics so that students understand	Students understand various census and survey activities, especially activities on official economic statistics so that students understand	Students understand various census and survey activities, especially activities on official economic statistics so that students understand	Students understand various census and survey activities, especially activities on official economic statistics so that students understand

the methodology, outputs and outcomes of these activities, and can perform analysis using statistical methods descriptive and inferential.	the methodology, outputs and outcomes of these activities, and can perform analysis using statistical methods descriptive and inferential with score at least 76.25	the methodology, outputs and outcomes of these activities, and can perform analysis using statistical methods descriptive and inferential with score at least 65.00 and less than 76.25	the methodology, outputs and outcomes of these activities, and can perform analysis using statistical methods descriptive and inferential with score at least 55.00 and less than 65.00	the methodology, outputs and outcomes of these activities, and can perform analysis using statistical methods descriptive and inferential with score less than 55.00.
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Achievement number of PLO

	Number of students	Percentage (%)
Excellent	127	79.87
Good	29	18.24
Satisfy	2	1.26
Fail	1	0.63
Total	44	100.00



STUDENT'S LEARNING PERFORMANCE ANALYSIS :

From 159 students who follow this course, there are around 79.87% students fulfill the excellent criteria for the Science PLO, but there is one student that fail on this course. However, it is still found that several students are in satisfied categories. Students found difficulties in the solve the problems in official statistics with the concepts and standard definition. This difficulty is caused by complexity of the material

RECOMMENDATION FOR :

There is recommendation for better course in the future that is motivate students to understand the basic concept of official statistics and solving problems in official statistics

FUTURE LEARNING	
RECOMMENDATION FOR INSTITUTION	: Recommendation for institution is by giving more chance for lecturer to develop more online learning materials.