

PROGRAM SLO ASSESSMENT REPORT, SCC

Department: Mathematics Course: Math 219 Statistics and Probability

Year: 2013 Semester: FALL 2013

1) Outcome to be assessed	2) Means of assessment and criteria of success	3) Summary of data collected	4) Analysis of data	5) Plan of action/what to do next
<p>SLO 1 To read and critically analyze the validity of a statistical statement by considering how the data was obtained and the appropriateness of the statistical methods used.</p>	<p>FALL 13 16 Multiple choice questions</p>	<p>Fall 13 71.7% correct This is a increase of 4.7% from previous year. Only two questions had a low percentage.</p>	<p>Fall 13 We felt good about the increase in the percentages. The two low percentage questions improved from the previous year by 10% These are the most missed questions on the final, but nothing can be done to the problem to improve the results.</p>	<p>Spring 14 Instructors will be asked to continue to stress the concepts of the two questions missed as before. Methods of testing need to be taught better.</p>
<p>SLO 2 Know how to collect data from a population and represent it in an organized visual manner.</p>	<p>FALL 13 8 Multiple choice questions One free response question</p>	<p>FALL 13 68.6 % correct responses . This is 1.5% drop from the previous semester. Only one question had a low success rate. 86% drew a comparison graph correctly. This is an increase of 8%. 62% scored 3 or higher on a 4 point. The mean score was 2.7</p>	<p>Fall 13 I attribute the drop to variability of data.</p>	<p>Spring 14 The methods of collecting data and proper method for representing quantitative data need to be presented better We see no need for any changes to these questions at this time.</p>
<p>SLO 3 To read and interpret data represented in a chart or graph</p>	<p>FALL 13 16 Multiple choice questions</p>	<p>FALL 13 71 % correct responses. for This is a drop of .5% from the previous semester. One questions had a high failure rate.</p>	<p>FALL 13 One question has a high fail rate. We changed the wording to the problem. It did not help. It appears the students are not reading carefully.</p>	<p>Spring 14 Instructions will be given to read problems carefully.</p>

FALL 2013

- SLO's
- A To read and critically analyze the validity of a statistical statement by considering how the data was obtained and the appropriateness of the statistical methods used
 - B Know how to collect data from a population and represent it in an organized visual manner
 - C To read and interpret data represented in a chart or graph

Total Number of Tests 160

Spring 11

Multiple Choice Results
Correct

Form A	Form B	Question No	Response	% Correct	SLO	
69	64		133			
54	55	1	109	82.0%	A	
28	26	8	54	40.6%	A	
43	38	9	81	60.9%	A	
60	55	10	115	86.5%	A	
59	56	11	115	86.5%	A	
53	49	12	102	76.7%	A	Correct Response of SLO A 71.7%
60	52	14	112	84.2%	A	
58	52	15	110	82.7%	A	
51	44	17	95	71.4%	A	
58	51	21	109	82.0%	A	
43	47	22	90	67.7%	A	
52	54	26	106	79.7%	A	
50	48	30	98	73.7%	A	
31	26	33	57	42.9%	A	
48	37	39	85	63.9%	A	
44	43	40	87	65.4%	A	
46	50	2	96	72.2%	B	Correct Response of SLO B 68.6%
50	53	31	103	77.4%	B	
24	29	32	53	39.8%	B	Free Response Question
52	43	34	95	71.4%	B	
58	46	35	104	78.2%	B	86% Drew a the correct type of graph
45	38	36	83	62.4%	B	
55	42	37	97	72.9%	B	62% Scored 3 or higher on a 4 point rubric.
54	45	38	99	74.4%	B	with an average score of 2.7 out of 4
43	41	3	84	63.2%	C	
46	51	4	97	72.9%	C	
51	49	5	100	75.2%	C	
47	45	6	92	69.2%	C	
41	32	7	73	54.9%	C	
46	44	13	90	67.7%	C	Correct Response of SLO C 71.0%
51	49	16	100	75.2%	C	
52	57	18	109	82.0%	C	
29	29	19	58	43.6%	C	
61	54	20	115	86.5%	C	
61	45	23	106	79.7%	C	
52	58	24	110	82.7%	C	
18	22	25	40	30.1%	C	
51	46	27	97	72.9%	C	
58	54	28	112	84.2%	C	
67	60	29	127	95.5%	C	