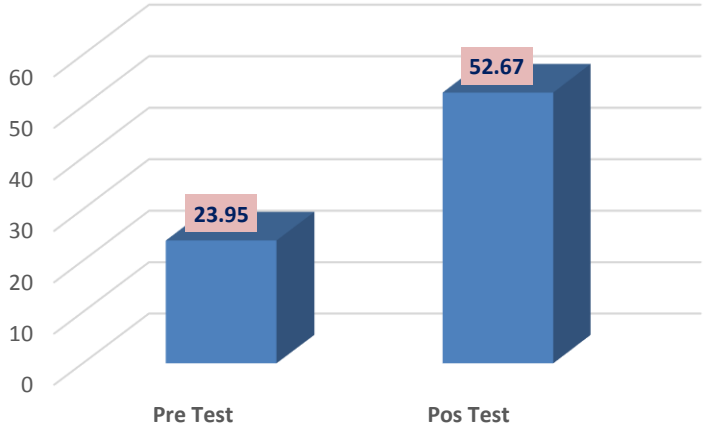


Students Learning Results: Problem Solving

Students Learning Results: Problem Solving					
		Analysis of Results			
Performance Measure Measurable goal What is your goal?	What is your measurement instrument or process? Do not use grades. (Indicate type of instrument) direct formative internal comparative	Current Results What are your current results?	Analysis of Results What did you learn from the results?	Action Taken or Improvement made What did you improve or what is your next step?	Insert Graphs or Tables of Resulting Trends (3-5 data points preferred)

<p>Must be a statistical difference between Pretest and Posttest's Means.</p>	<p>Rubric for the Project</p> <p>Pretest and Posttest: Hypothesis Testing</p> <p>Type of instrument: formative</p>	<p>Spring 2016 n=9</p> <p>t Stat: 3.2233</p> <p>P(T<=t) one-tail: 0.0061</p> <p>t Critical one-tail: 1.8595</p>	<p>The null hypothesis $H_0: \mu_d \geq 0$ is rejected, then one can conclude that the mean grade for the pre-test is lower than the mean grade for the post-test.</p> <p>Although there is statistical significance, the magnitude in the differences is not enough larger to assert a significant learning.</p>	<p>It is recommended that the SLO be reinforced through the number of exercises given and that are related to problem solving and decision making.</p>	<h3 style="text-align: center;">SLO: Problem Solving and Decision Making in Statistics</h3>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Test Type</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Pre Test</td> <td>23.95</td> </tr> <tr> <td>Pos Test</td> <td>52.67</td> </tr> </tbody> </table>	Test Type	Score	Pre Test	23.95	Pos Test	52.67
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