

Assessment: Course Four Column



Courses (MATH) - Statistics

STAT 152- DU: Intro to Statistics

Course Outcomes	Assessment Measures	Results	Actions
<p>Discrete variables and probability distributions, mean and standard deviation of discrete random variable, binomial distribution. - Discrete variables and probability distributions, mean and standard deviation of discrete random variable, binomial distribution.</p> <p>Course Outcome Status: Active Next Assessment: 2018-2019 Start Date: 06/23/2014</p>	<p>Exam - Test four Criterion: 75% students with score above 60%</p>	<p>Reporting Period: 2015-2016 Criterion Met: No Mean: 64.18%; Median: 72.09%,STD: 0.270 85% students completed assessment. 66.67% students score above 60%. (09/19/2016)</p>	<p>Action: Comparing to spring 2015, the mean is 3 higher. The median is 3.5 higher. Comparing to fall 2014, the median is 7 higher. 9% more students score above 60% in fall 2015 than in spring 2015. It needs more effort to teach the probability to improve student's comprehension in this part. (09/19/2016)</p>
<p>Hypothesis tests - Hypothesis tests for one population mean. Critical value approach, P-value approach, hypothesis tests with sigma known and with sigma unknown</p> <p>Course Outcome Status: Active Next Assessment: 2018-2019 Start Date: 06/23/2014</p>	<p>Exam - Test nine Criterion: 75% students with score above 60%</p>	<p>Reporting Period: 2015-2016 Criterion Met: Yes Mean: 73.65%; Median:77.44%;STD: 0.179 90.91% completed assessment. 2 students not 85% scores above 60%. (09/19/2016)</p>	<p>Action: Comparing to spring 2015, the mean is 4.35% lower, the median is 2.76% lower. The STD 0.179>0.028(spring15). It appears the variation in fall 2015 is bigger than that in spring. (09/19/2016)</p>
<p>Analysis of variance, F-distribution, one-way ANOVA logic, one-way ANOVA procedure - Analysis of variance, F-distribution, one-way ANOVA logic, one-way ANOVA procedure</p> <p>Course Outcome Status: Active Next Assessment: 2018-2019</p>	<p>Exam - Test fifteen Criterion: 75% students score above 60%</p>	<p>Reporting Period: 2015-2016 Criterion Met: No Mean: 82.97%; Median: 83.93%; STD:0.121 All students complete the assessment. 90.5% score above 60%. (09/19/2016)</p>	<p>Action: The mean in spring 2015 is 80.7%<82.97%; The median of spring 2015 is 85.7%>83.93% The difference of these indices are not significant. The STD of spring 2015 is 0.186>0.121. The student' scores stay closer in fall 2015. (09/19/2016) Follow-Up: Student grade</p>

Course Outcomes

Assessment Measures

Results

Actions

Start Date: 06/23/2014

distribution	Grade	Frequency
A		7
A-		5
B+		3
B		3
B-		0
C+		2
C		0
C-		1
F		5
W		10
Total		36

In spring 2015, the withdraw rate is 36.59% (=15/41). In fall 2015, withdraw rate is 27.78% (=10/36). The retention rate is 63.41% in spring 2015. The retention rate is 72.22% in fall 2015. The retention rate of fall 2015 is much higher than that of the previous semester. It appears the instructor has made a significant effort to keep students in the class. Among students who stay in the class, 30.77% of the students is A range in spring 2015. 46.15% of the students is in A range in fall 2015. More students get better score in fall 2015 than those in spring 2015. 15.38% is in F range in spring 2015. 19.23% of students is in F range in fall 2016. The difference of the F range students is not statistically significant. In the comments of the student's evaluation, one student suggested to review the contents to get students ready for the tests. In spring semester 2016,

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
------------------------	----------------------------	----------------	----------------

the recommendation has been taken. I shall see how the changes might improve students' grades in the semester. Another student wrote in the comments "Professor Du was extremely knowledgeable about the course material. I learned a lot from him through his lectures. Thank you." I shall take the compliments and keep doing the good job.
(09/19/2016)