ASSURANCE OF LEARNING

Assessment Report

Program: MSE **Term:** Spring 2019

LEARNING OBJECTIVE	**4A:** Students who graduate will estimate models informed by economic theory using specialized software for data analysis.
MAPPED COURSE	**ECON 693**: Project
CURRICULUM ALIGNMENT	Courses mapped as introducing LO 4A: ECON 610 Courses mapped as developing LO 4A: ECON 660, 661, 688 Courses mapped as mastering LO 4A: ECON 689
# OF PARTICIPATING FACULTY	1
METHODS & PROCEDURES	Econ 693 is comprised of only one assignment. Assessment for learning objective 3A is based off of this one assignment.
ASSESSMENT TOOL	CBE Developed Rubric *(see end of report for rubric)*
PERFORMANCE TARGETS	70% of students will meet expectations. Less than 10% of students will score "1" (below) on any "trait" in the rubric.

Data Analysis Summary

There are two targets set for this learning objective, (1) 70% of students will meet or exceed expectations, and (2) less than 10% of students will score "1" (below expectation) on any "trait" in the rubric. Overall, 75% of students met expectations on the learning objective. A total of 11 students were assessed.

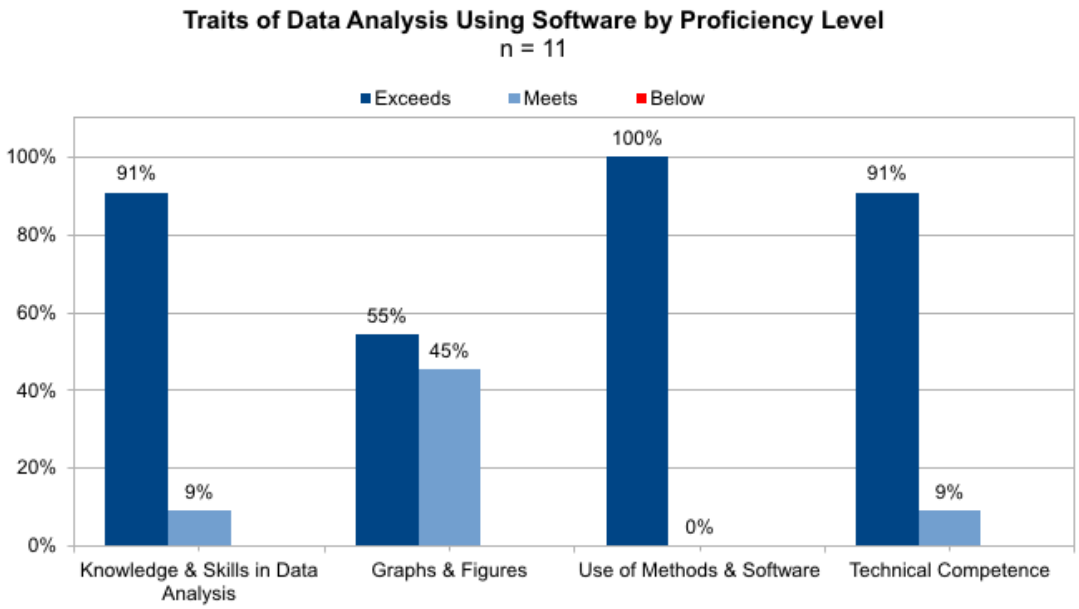
n = 11	*Knowledge & Skills in Data Analysis*	*Graphs & Figures*	*Use of Methods & Software*	*Technical Competence*
Meets Expectations	100%	100%	100%	100%
Does Not Meet Expectations	0%	0%	0%	0%
Total				
Overall Score	75%			

Assessment Scores by Individual Traits.

Regarding the second performance target that less than 10% of students will score "1" (below expectation) on any "trait" in the rubric, scores show students met this performance target. Results show students met this assessment target.

Detailed Assessment Scores by Individual Traits

By Individual Traits	*Knowledge & Skills in Data Analysis*	*Graphs & Figures*	*Use of Methods & Software*	*Technical Competence*
Exceeds	91%	55%	100%	91%
Meets	9%	45%	0%	9%
Below	0%	0%	0%	0%



**Percentages may not add to 100% due to rounding.*

Next Steps

- Share report with faculty and administrators
- Program Committee to call for Closing the Loop meeting
- Complete Closing the Loop Handout
- Share Closing the Loop Handout with Curriculum Committee
- Approval by Curriculum Committee
- Share Closing the Loop Handout with Dean's Office'

- Approval by Dean's Office
- Share Closing the Loop Handout with Faculty
- Publish results and findings
- Publish meeting minutes
- Implement Actions
- Track Actions

Rubric

LO4A: Data Analysis Using Software			
Traits	**(6-8 pts) Exceeds Expectations**	**(3-5 pts) Meets Expectations**	**(0-2 pts) Below Expectations**
Knowledge & Skills in Data Analysis	Able to make sound judgements and draw insightful conclusions based on the analysis of data	Able to make judgements and draw some conclusions based on the analysis of data but with some mistakes.	Fails to make judgements and draw conclusions based on the analysis of data
Graphs & Figures	Graphs, figures and tables presented provide key insights into the investigation; they represent a sophisticated visual description of the data and the results of the empirical analysis.	Graphs and figures presented adequately accompany the investigation of the hypothesis being examined; they present an adequate visual description of the data and the results of the empirical analysis.	Graphs and figures presented do not further the investigation; they are an inaccurate visual description of the data and the results.
Use of Methods & Software	Sophisticated use of statistical methods and statistical software in the empirical analysis.	Adequate use of statistical methods and statistical software in the empirical analysis.	Insufficient and inaccurate use of statistical methods and statistical software in the empirical analysis.
Technical Competence	Student's technical and professional competence are superior to peers	Student acquires sound technical competence in relation to course information and is able to apply it.	Student demonstrates little to no technical competence.

End of Report