

## GEO 4 (Contextual Competence): Demonstrate scientific reasoning

Outcome	The Student	Assignment/ Measures	Success Criteria	Student Outcomes	Revisions/ Improvements
<b>Scientific Process</b>	<ul style="list-style-type: none"> <li>Generates two or more possible explanations or answers (i.e., hypotheses) to a question in their field of study</li> <li>Explains how one might evaluate the accuracy of an explanation or answer to a question in their field of study</li> </ul>		Score > 70%	____ of ____ students met the success criteria.	
<b>Scientific Communication</b>	<ul style="list-style-type: none"> <li>Distinguishes data-driven perspectives in their field of study from experience-based or intuition-based perspectives</li> <li>Explains how a data-driven perspective informs a contemporary societal issue in their field of study</li> </ul>		Score > 70%	____ of ____ students met the success criteria.	
<b>Informed Decision-Making</b>	<ul style="list-style-type: none"> <li>Generates objective conclusion(s)—ones that are free from personal bias or opinion—from data encountered in their field of study</li> <li>Generates accurate conclusion(s)—ones that are factually correct and supported by evidence—from data encountered in their field of study</li> </ul>		Score > 70%	____ of ____ students met the success criteria.	