

Academic Challenge: Learning Strategies, Quantitative Reasoning

California State University, Chico

College students enhance their learning and retention by actively engaging with and analyzing course material rather than approaching learning as absorption. Examples of effective learning strategies include identifying key information in readings, reviewing notes after class, and summarizing course material. Instructors emphasizing these learning strategies in their courses help students encode key information to build long-term memory and retention. Quantitative literacy—the ability to use and understand numerical and statistical information in everyday life—is an increasing injumportant outcome of higher education. All students, regardless of major, should have ample opportunities to develop their ability to reason quantitatively—to evaluate, support, and critique arguments using numerical and statistical information. These visuals display results for #24b-d and #27e-g.

Disciplinary Area	Racial/Ethnic Identity All	Employment Status	Sexual Orientation	Format MY All	Administration Year 2022
Gender Identity All	Adjunct Status All	Academic Rank All	Course Division	General Education Course	

Looking Within Faculty Experiences

Learning Strategies



Quantitative Reasoning

	Not	Somewhat	/hat	Very							
	important	important	Important	important							
Reach conclusions	14.9% 10	17.9% 12	25.4% 17	41.8% 28	Reach conclusions						
Examine real-world problems	22.1% 15	19.1% 13	35.3% 24	23.5% 16	Examine real-world problems						
Evaluate others' conclusions	20.6% 14	19.1% 13	33.8% 23	26.5% 18	Evaluate others' conclusions						
						40%	20%	0%	20%	40%	60
							Not important Somewhat important		Important Very important		

Comparing Faculty Experiences

Learning Strategies



Quantitative Reasoning

