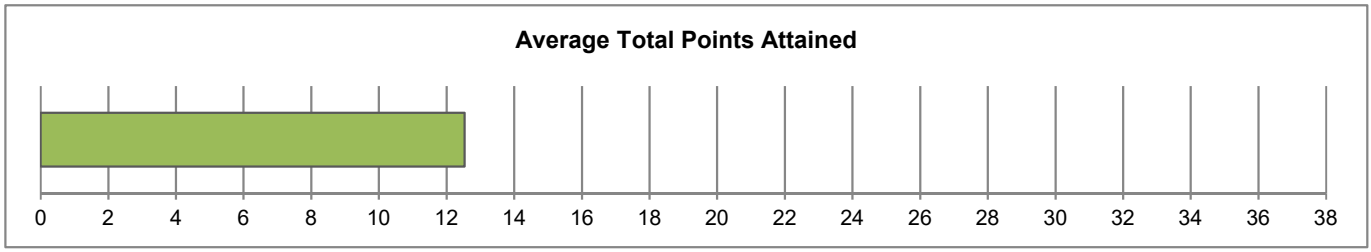
Sam Houston State University

CAT Institutional Report

Fall 2022 & Spring 2023 - College of Business Administration

CAT Overview: Descriptive Statistics for CAT Total Score
Sam Houston State University: Fall 2022 & Spring 2023 - College of Business Administration

	N	Min.	Max.	Mean	Std. Dev
CAT Total Score	231	3.00	28.00	12.54	4.36



	N	Min.	Max.	Mean	Std. Dev
Time Spent (in minutes)	231	10	85	34	14

CAT Demographics: Descriptive Statistics for Sample

		Freq.	Freq. %
Gender	**Male**	111	48.7%
	Female	117	51.3%
Class Standing	**Freshman**	0	0.0%
	Sophomore	6	2.6%
	Junior	89	39.2%
	Senior	132	58.1%
Class	**Undergraduate**	227	98.7%
	Graduate	3	1.3%
Age	**≤ 20 years**	50	22.2%
	21-25 years	163	72.4%
	≥ 26 years	12	5.3%

		Freq.	Freq. %
Race**	**White**	156	67.5%
	Black or African American	37	16.0%
	American Indian or Alaska Native	3	1.3%
	Asian	14	6.1%
	Native Hawaiian or Other Pacific Islander	1	0.4%
	Other Race	14	6.1%

**The cumulative percent may exceed 100% as students are allowed to select more than one category.

		Freq.	Freq. %
Proficiency with the English Language*	**Excellent**	170	73.9%
	Very Good	45	19.6%
	Good	15	6.5%
	Fair	0	0.0%
	Poor	0	0.0%

* Self-rated

	Freq.	Freq. %
Spanish/Hispanic/Latino Ethnicity	70	30.3%
Considered English primary language?	213	92.2%

CAT Breakdown: Frequency of Points Awarded for Each Question

Sam Houston State University: Fall 2022 & Spring 2023 - College of Business Administration

	Skill Assessed by CAT Question	Points Awarded	Freq.	Institution
Q1	Summarize the pattern of results in a graph without making inappropriate inferences.	**0**	60	26.0%
		1	171	74.0%
Q2	Evaluate how strongly correlational-type data supports a hypothesis.	**0**	115	49.8%
		1	76	32.9%
		2	13	5.6%
		3	27	11.7%
Q3	Provide alternative explanations for a pattern of results that has many possible causes.	**0**	137	59.3%
		1	53	22.9%
		2	34	14.7%
		3	7	3.0%
Q4	Identify additional information needed to evaluate a hypothesis.	**0**	148	64.1%
		1	61	26.4%
		2	19	8.2%
		3	3	1.3%
		4	0	0.0%
Q5	Evaluate whether spurious information strongly supports a hypothesis.	**0**	101	43.7%
		1	130	56.3%
Q6	Provide alternative explanations for spurious associations.	**0**	64	27.7%
		1	68	29.4%
		2	87	37.7%
		3	12	5.2%
Q7	Identify additional information needed to evaluate a hypothesis.	**0**	223	96.5%
		1	8	3.5%
		2	0	0.0%
Q8	Determine whether an invited inference is supported by specific information.	**0**	135	58.4%
		1	96	41.6%
Q9	Provide relevant alternative interpretations for a specific set of results.	**0**	111	48.1%
		1	114	49.4%
		2	6	2.6%
Q10	Separate relevant from irrelevant information when solving a real-world problem.	**0**	6	2.6%
		1	12	5.2%
		2	42	18.2%
		3	84	36.4%
		4	87	37.7%
Q11	Use and apply relevant information to evaluate a problem.	**0**	66	28.6%
		1	148	64.1%
		2	17	7.4%
Q12	Use basic mathematical skills to help solve a real-world problem.	**0**	67	29.0%
		1	164	71.0%
Q13	Identify suitable solutions for a real-world problem using relevant information.	**0**	75	32.5%
		1	115	49.8%
		2	32	13.9%
		3	9	3.9%
Q14	Identify and explain the best solution for a real-world problem using relevant information.	**0**	93	40.3%
		1	45	19.5%
		2	8	3.5%
		3	32	13.9%
		4	45	19.5%
		5	8	3.5%
Q15	Explain how changes in a real-world problem situation might affect the solution.	**0**	206	89.2%
		1	21	9.1%
		2	4	1.7%
		3	0	0.0%

Institutional/Departmental Profile

Sam Houston State University: Fall 2022 & Spring 2023 - College of Business Administration

Evaluate and Interpret Info	Problem Solving	Creative Thinking	Effective Comm.		Skill Assessed by CAT Question	Institution/Department	
						Mean	Avg. % of Attainable Points
X				Q1	Summarize the pattern of results in a graph without making inappropriate inferences.	0.74	74%
X			X	Q2	Evaluate how strongly correlational-type data supports a hypothesis.	0.79	26%
		X	X	Q3	Provide alternative explanations for a pattern of results that has many possible causes.	0.61	20%
	X	X	X	Q4	Identify additional information needed to evaluate a hypothesis.	0.47	12%
X				Q5	Evaluate whether spurious information strongly supports a hypothesis.	0.56	56%
		X	X	Q6	Provide alternative explanations for spurious associations.	1.20	40%
	X	X	X	Q7	Identify additional information needed to evaluate a hypothesis.	0.03	2%
X				Q8	Determine whether an invited inference is supported by specific information.	0.42	42%
		X	X	Q9	Provide relevant alternative interpretations for a specific set of results.	0.55	27%
X	X			Q10	Separate relevant from irrelevant information when solving a real-world problem.	3.01	75%
X	X		X	Q11	Use and apply relevant information to evaluate a problem.	0.79	39%
	X			Q12	Use basic mathematical skills to help solve a real-world problem.	0.71	71%
X	X			Q13	Identify suitable solutions for a real-world problem using relevant information.	0.89	30%
X	X		X	Q14	Identify and explain the best solution for a real-world problem using relevant information.	1.63	33%
	X	X	X	Q15	Explain how changes in a real-world problem situation might affect the solution.	0.13	4%
					CAT Total Score	12.54	33%

The map of skills covered by each question above is a suggested theoretical guide for interpreting results.