

Penn State University Summary (n = 107 students)

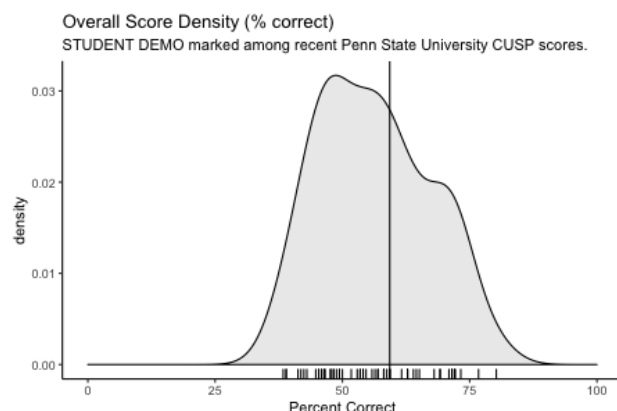
Summary Statistics

	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
Overall Score (%)	31.98	48.26	56.10	57.01	66.86	84.88
CUSP Score (%; excl. CAOS items)	34.03	47.40	55.56	55.99	64.58	83.33
CAOS Score (%; excl. CUSP items)	7.14	50.00	64.29	62.24	78.57	100.00

Penn State University CUSP Test Outcomes Aligned to 2014 ASA Guidelines

Section Desc.	Subsection Desc.	% Correct	Items
Statistical Methods and Theory	Statistical Theory	64.0	5
Statistical Methods and Theory	Exploratory Data Analysis	33.8	2
Statistical Methods and Theory	Design of Studies	60.5	6
Statistical Methods and Theory	Statistical Models	58.0	11
Data Wrangling Computation and Data Science	Software and Tools	68.0	2
Data Wrangling Computation and Data Science	Accessing and Wrangling Data	53.0	1
Data Wrangling Computation and Data Science	Computationally Intensive Statistical Methods	57.8	2
Mathematical Foundations	Probability	48.3	2
Mathematical Foundations	Connecting mathematical foundations & applications in statistics	72.0	1
Statistical Practice	Ethical Issues	51.4	1
Problem Solving	Complex open-ended problems	21.5	1
Problem Solving	Scientific method and statistical problem-solving cycle	59.2	8

Results: STUDENT DEMO



Description	Result
Overall Score (%)	59
Class rank on test (62 students)	21
Rank among participating institutions (%-ile)	70
CUSP Score (%; excl. CAOS)	57
CAOS Score (%; excl. CUSP)	71

Performance Summary Aligned to 2014 ASA Guidelines (excludes CAOS Items)

Section Desc.	Subsection Desc.	% Correct	Items
Statistical Methods and Theory	Statistical Theory	73.3	5
Statistical Methods and Theory	Exploratory Data Analysis	50.0	2
Statistical Methods and Theory	Design of Studies	92.3	6
Statistical Methods and Theory	Statistical Models	47.1	11
Data Wrangling Computation and Data Science	Software and Tools	66.7	2
Data Wrangling Computation and Data Science	Accessing and Wrangling Data	100.0	1
Data Wrangling Computation and Data Science	Computationally Intensive Statistical Methods	44.4	2
Mathematical Foundations	Probability	0.0	2
Mathematical Foundations	Connecting mathematical foundations & applications in statistics	62.5	1
Statistical Practice	Ethical Issues	80.0	1
Problem Solving	Complex open-ended problems	100.0	1
Problem Solving	Scientific method and statistical problem-solving cycle	60.3	8