

California Critical Thinking Skills Test (CCTST) Performance Report 2008-2009

Distribution by College

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
<i>THEC</i>	<i>600</i>	<i>19.14</i>	<i>67-73</i>	<i>19.00</i>	<i>19.16</i>	<i>4.83</i>	<i>0.20</i>	<i>4.00</i>	<i>33.00</i>	<i>16.00</i>	<i>23.00</i>
Colleges											
Agricultural Sciences and Natural Resources	128	19.51	67-73	19.00	19.44	4.88	0.43	9.00	31.00	16.00	23.00
	37	18.73	61-67	18.00	18.73	5.22	0.86	10.00	29.00	15.00	22.00
Architecture and Design	28	20.57	73-79	21.00	20.50	3.44	0.65	14.00	29.00	18.00	23.00
	11	19.45	67-73	19.00	19.45	2.42	0.73	15.00	23.00	18.00	21.00
Arts and Sciences	256	18.48	61-67	18.00	18.50	5.09	0.32	4.00	33.00	15.00	22.00
	240	18.54	61-67	18.00	18.54	5.08	0.33	4.00	33.00	15.00	22.00
Business Administration	168	20.36	73-79	21.00	20.37	4.45	0.34	11.00	29.00	17.00	24.00
	114	20.34	73-79	20.50	20.33	4.26	0.40	12.00	29.00	17.00	24.00
Communication and Information	72	18.64	61-67	18.00	18.53	4.84	0.57	9.00	31.00	14.00	21.00
	54	19.15	67-73	19.00	19.12	4.95	0.67	9.00	31.00	15.00	22.00
Education, Health, and Human Sciences	185	18.01	61-67	18.00	18.03	4.19	0.31	3.00	28.00	15.00	21.00
	72	18.08	61-67	18.00	18.09	3.99	0.47	9.00	27.00	16.00	20.25
Engineering	218	21.34	79-83	22.00	21.50	5.24	0.36	5.00	33.00	18.00	25.00
	48	21.54	79-83	22.50	21.74	4.88	0.70	5.00	29.00	18.00	24.00
Nursing	111	19.41	67-73	20.00	19.43	4.33	0.41	6.00	29.00	16.00	22.00
	19	18.11	61-67	16.00	18.11	4.71	1.08	11.00	29.00	15.00	20.50
Social Work	34	19.21	67-73	19.00	19.27	4.31	0.74	9.00	27.00	15.00	22.00
	5	18.40	61-67	18.00	18.40	5.03	2.25	13.00	24.00	14.00	23.00

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Distribution for the College of Agriculture Sciences and Natural Resources

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
*College	128	19.51	67-73	19.00	19.44	4.88	0.43	9.00	31.00	16.00	23.00
<u>Majors</u>											
Agricultural Economics and Business	10	18.90	61-67	19.00	18.94	4.15	1.31	12.00	25.00	17.00	22.00
Agriculture Science	1	†	†	†	†	†	†	†	†	†	†
Animal Science	65	19.43	67-73	19.00	19.39	5.00	0.62	9.00	31.00	16.00	23.00
Biosystems Engineering	8	24.00	91-93	23.00	24.28	6.30	2.23	13.00	30.00	17.00	29.00
Food Science and Technology	11	20.00	73-79	19.00	20.00	4.29	1.29	12.00	28.00	17.00	23.00
Forestry	16	19.44	67-73	20.00	19.60	3.99	1.00	10.00	26.00	18.00	22.00
Wildlife and Fisheries Science	8	16.75	46-54	14.00	16.61	5.29	1.87	11.00	25.00	12.00	20.00
Plant Sciences and Landscape Systems	9	18.67	61-67	18.00	18.69	4.03	1.34	12.00	25.00	14.00	20.00

* College "N" is included in the university "N"

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2008-2009
Distribution for the College of Architecture and Design

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
*College	28	20.57	73-79	21.00	20.50	3.44	0.65	14.00	29.00	18.00	23.00
<u>Majors</u>											
Architecture	14	21.07	73-79	20.00	21.02	4.25	1.14	14.00	29.00	18.00	23.00
Interior Design	14	20.07	73-79	21.00	20.13	2.43	0.65	15.00	24.00	18.00	21.00

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California Critical Thinking Skills Test (CCTST) Performance Report 2008-2009

Distribution for the College of Arts and Sciences

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
*College	256	18.48	61-67	18.00	18.50	5.09	0.32	4.00	33.00	15.00	22.00
<u>Majors</u>											
Anthropology	23	18.65	61-67	19.00	18.70	5.03	1.05	8.00	29.00	16.00	22.00
Classics	1	†	†	†	†	†	†	†	†	†	†
Economics	2	11.00	12-17	8.00	†	4.24	3.00	8.00	14.00	8.00	14.00
English	2	26.50	95-96	25.00	†	2.12	1.50	25.00	28.00	25.00	28.00
Mathematics	1	†	†	†	†	†	†	†	†	†	†
Psychology	225	18.42	61-67	18.00	18.41	5.04	0.34	4.00	33.00	15.00	22.00
Speech Pathology	1	†	†	†	†	†	†	†	†	†	†
Studio Art	1	†	†	†	†	†	†	†	†	†	†

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Distribution for the College of Business Administration

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
*College	168	20.36	73-79	21.00	20.37	4.45	0.34	11.00	29.00	17.00	24.00
<u>Majors</u>											
Accounting	14	23.86	87-91	24.00	24.06	3.35	0.90	15.00	29.00	22.00	26.00
Economics	3	23.67	87-91	29.00	†	9.24	5.33	13.00	29.00	13.00	29.00
Finance	31	20.61	73-79	21.00	20.63	4.21	0.76	13.00	28.00	17.00	24.00
Human Resource Development	10	18.70	61-67	18.00	18.61	3.27	1.03	15.00	27.00	16.00	22.00
Management	14	20.64	73-79	20.00	20.77	4.53	1.21	11.00	28.00	18.00	25.00
Logistics and Transportation	40	20.73	73-79	20.00	20.78	4.71	0.74	11.00	29.00	17.00	24.00
Marketing	56	19.14	67-73	19.00	19.12	4.07	0.54	11.00	27.00	16.00	22.00

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Distribution for the College of Communication and Information

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
*College	72	18.64	61-67	18.00	18.53	4.84	0.57	9.00	31.00	14.00	21.00
<u>Majors</u>											
Advertising	46	17.39	54-61	16.00	17.16	4.74	0.70	9.00	31.00	14.00	20.00
Speech Communication	3	19.67	67-73	20.00	†	3.51	2.03	16.00	23.00	16.00	20.00
Electronic Media	23	21.00	79-83	21.00	21.10	4.40	0.92	12.00	18.00	18.00	23.00

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Distribution for the College of Education, Health and Human Sciences

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
*College	185	18.01	61-67	18.00	18.03	4.19	0.31	3.00	28.00	15.00	21.00
<u>Majors</u>											
Child and Family Studies	19	18.42	61-67	19.00	18.30	4.21	0.97	11.00	28.00	15.00	21.00
Exercise Science	40	18.43	61-67	18.00	18.42	3.52	0.56	12.00	25.00	12.00	20.00
Hotel and Restaurant Administration	26	16.08	46-54	16.00	15.96	4.06	0.80	9.00	26.00	13.00	18.00
Nutrition	37	19.30	67-73	19.00	19.36	4.20	0.69	11.00	27.00	11.00	23.00
Recreation and Leisure Studies	2	19.00	67-73	18.00	†	1.41	1.00	18.00	20.00	18.00	20.00
Retail and Consumer Sciences	15	15.73	38-46	16.00	15.70	4.27	1.10	9.00	23.00	13.00	19.00
Special Education	14	17.00	54-61	17.00	17.44	5.46	1.46	3.00	23.00	3.00	21.00
Sport Management	32	18.78	61-67	18.00	18.67	3.56	0.68	12.00	28.00	13.00	21.00

* College "N" is included in the university "N"

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2008-2009

Distribution for the College of Engineering

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
*College	218	21.34	79-83	22.00	21.50	5.24	0.36	5.00	33.00	18.00	25.00
<u>Majors</u>											
Chemical Engineering	18	20.89	73-79	21.00	20.99	5.50	1.30	9.00	31.00	17.00	25.00
Civil Engineering	20	20.40	73-79	20.00	20.56	4.29	0.96	12.00	26.00	17.00	23.00
Electrical Engineering	8	21.13	79-83	19.00	21.03	5.89	2.08	13.00	31.00	16.00	24.00
Computer Engineering	4	21.00	79-83	21.00	21.11	5.89	2.94	13.00	27.00	13.00	23.00
Industrial Engineering	6	18.17	61-67	17.00	18.19	2.86	1.17	15.00	21.00	15.00	21.00
Material Sciences and Engineering	13	22.69	83-87	23.00	22.77	3.55	0.98	16.00	28.00	19.00	25.00
Mechanical Engineering	69	21.83	79-83	22.00	22.03	5.36	0.65	5.00	33.00	19.00	25.00
Aerospace Engineering	21	20.95	73-79	20.00	21.11	5.70	1.24	9.00	30.00	17.00	27.00
Biomedical Engineering	27	21.63	79-83	22.00	21.63	4.99	0.96	14.00	29.00	17.00	26.00
Nuclear Engineering	32	21.31	79-83	21.00	21.64	6.19	1.09	5.00	31.00	18.00	25.00

* College "N" is included in the university "N"

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2008-2009
Distribution for the College of Nursing

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
<u>Majors</u>											
Nursing	111	19.41	67-73	20.00	19.43	4.33	0.41	6.00	29.00	16.00	22.00

* College "N" is included in the university "N"
 †Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2008-2009

Distribution for the College of Social Work

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
<u>Majors</u>											
Social Work	34	19.21	67-73	19.00	19.27	4.31	0.74	9.00	27.00	15.00	22.00

* College "N" is included in the university "N"

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2008-2009

Comparison between 2007-2008 and 2008-2009

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
University 2007-2008	1133	19.91	68-74	20.00	19.97	5.02	0.15	0.00	34.00	17.00	23.00
Colleges											
Agricultural Sciences and Natural Resources	128	19.51	67-73	19.00	19.44	4.88	0.43	9.00	31.00	16.00	23.00
	88	18.83	61-67	20.00	18.87	5.52	0.59	6.00	33.00	15.00	22.00
Architecture and Design	28	20.57	73-79	21.00	20.50	3.44	0.65	14.00	29.00	18.00	23.00
	41	18.10	61-67	19.00	18.33	4.74	0.74	5.00	27.00	14.00	22.00
Arts and Sciences	256	18.48	61-67	18.00	18.50	5.09	0.32	4.00	33.00	15.00	22.00
	266	20.35	73-79	20.00	20.46	5.62	0.34	0.00	34.00	17.00	24.00
Business Administration	168	20.36	73-79	21.00	20.37	4.45	0.34	11.00	29.00	17.00	24.00
	163	20.28	73-79	20.00	20.38	4.81	0.38	9.00	29.00	17.00	24.00
Communication and Information	72	18.64	61-67	18.00	18.53	4.84	0.57	9.00	31.00	14.00	21.00
	80	18.72	61-67	19.00	18.71	3.79	0.42	10.00	31.00	16.00	21.00
Education, Health, and Human Sciences	185	18.01	61-67	18.00	18.03	4.19	0.31	3.00	28.00	15.00	21.00
	219	18.70	61-67	19.00	18.76	4.42	0.30	7.00	31.00	16.00	22.00
Engineering	218	21.34	79-83	22.00	21.50	5.24	0.36	5.00	33.00	18.00	25.00
	157	22.06	83-87	23.00	22.23	4.98	0.40	7.00	31.00	18.00	26.00
Nursing	111	19.41	67-73	20.00	19.43	4.33	0.41	6.00	29.00	16.00	22.00
	99	20.38	73-79	20.00	20.36	4.06	0.41	12.00	30.00	18.00	23.00
Social Work	34	19.21	67-73	19.00	19.27	4.31	0.74	9.00	27.00	15.00	22.00
	20	18.00	61-67	19.00	18.11	4.78	1.07	8.00	26.00	14.00	21.00

Glossary of Terms

N: The *Sample*, or *N*, is composed of randomly selected students from senior level classes in either specific majors for some colleges or all students from other colleges. The THEC report will be equivalent to the percentage of students who have graduated from each college in the five years preceding the cycle. The InSight Assessment/CCTST CapScore office will select the THEC sample.

Pct: The *Percentile* score is based on the mean score earned.

Tr Mean: The *Trimmed Mean* is used to remove the effect of unusually high or low scores. The data is sorted from highest to lowest scores, and then 5% of the data is trimmed off the top and bottom of the sample range.

St Dev: The *Standard Deviation* is a measure of the spread of the values within a data set. The smaller the standard deviation, the closer the values are to the mean.

SE Mean: The *Standard Error of the Mean* is used to depict how accurate we might assume the sample's mean actually may be, compared with the true population mean. We can be 95% certain that the true population mean is within the range of the sample mean plus or minus 2 SE Mean.

Min: The *Minimum* number of questions which a student (or students in the selected group) answered correctly.

Max: The *Maximum* number of questions which a student (or students in the selected group) answered correctly.

Q1: *Q1 (the First Quartile)* is the point at which 75% of the students scored higher and 25% of the students scored lower.

Q3: *Q3 (the Third Quartile)* is the point at which 25% of the students scored higher and 75% of the students scored lower. By this rationale, Q2 (or the Second Quartile) is the Median.