

California Critical Thinking Skills Test (CCTST) Performance Report 2009-2010

Distribution by College

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
<i>THEC</i>	<i>600</i>	<i>20.13</i>	<i>74-79</i>	<i>20.00</i>	<i>20.19</i>	<i>4.80</i>	<i>0.20</i>	<i>0.00</i>	<i>31.00</i>	<i>17.00</i>	<i>23.00</i>
Colleges											
Agricultural Sciences and Natural Resources	125	19.94	68-74	20.00	20.08	4.76	0.43	6.00	30.00	17.00	23.00
	36	20.39	74-79	20.50	20.59	4.91	0.82	8.00	29.00	18.00	24.00
Architecture and Design	33	19.45	68-74	19.00	19.34	4.92	0.86	12.00	29.00	15.00	22.00
	12	17.83	54-61	19.00	18.00	3.30	0.95	12.00	22.00	15.50	20.50
Arts and Sciences	468	20.38	74-79	21.00	20.46	5.01	0.23	0.00	32.00	17.00	24.00
	240	20.55	74-79	21.00	20.65	4.92	0.32	0.00	31.00	17.00	24.00
Business Administration	177	19.51	68-74	20.00	19.55	4.82	0.36	8.00	31.00	16.00	23.00
	114	20.05	74-79	20.00	20.09	4.76	0.45	9.00	31.00	17.00	23.25
Communication and Information	99	18.57	61-68	18.00	18.55	4.72	0.47	6.00	29.00	15.00	22.00
	54	18.74	61-68	19.00	18.79	4.64	0.63	6.00	28.00	14.75	22.00
Education, Health, and Human Sciences	188	18.19	61-68	18.00	18.13	5.01	0.37	6.00	30.00	14.00	22.00
	72	18.11	61-68	17.00	18.05	4.43	0.52	6.00	29.00	15.00	21.00
Engineering	281	22.27	84-88	23.00	22.44	4.53	0.27	7.00	32.00	19.00	25.00
	48	22.00	84-88	22.00	22.09	3.92	0.57	12.00	29.00	19.25	25.00
Nursing	90	21.24	79-84	21.00	21.29	4.03	0.42	11.00	30.00	18.00	24.00
	18	23.17	88-91	23.50	23.31	4.23	1.00	14.00	30.00	20.00	26.00
Social Work	41	18.76	61-68	19.00	18.65	4.84	0.76	9.00	32.00	15.00	21.00
	6	20.50	74-79	20.50	20.50	3.45	1.41	15.00	25.00	18.00	23.50

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Distribution for the College of Agricultural Sciences and Natural Resources

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
*College	125	19.94	68-74	20.00	20.08	4.76	0.43	6.00	30.00	17.00	23.00
<u>Majors</u>											
Agricultural Economics and Business	17	18.65	61-68	19.00	18.77	4.03	0.98	9.00	26.00	15.00	21.00
Animal Science	66	19.44	68-74	19.00	19.56	4.63	0.57	8.00	29.00	17.00	23.00
Biosystems Engineering	9	24.56	91-93	24.00	24.45	2.79	0.93	21.00	30.00	23.00	25.00
Environmental and Soil Sciences	9	20.78	74-79	20.00	21.20	7.19	2.40	6.00	28.00	16.00	27.00
Forestry	5	20.80	74-79	21.00	20.83	4.27	1.91	16.00	25.00	16.00	25.00
Wildlife and Fisheries Science	4	21.00	79	19.00	20.89	5.88	2.94	15.00	29.00	15.00	21.00
Plant Sciences and Landscape Systems	15	19.80	68-74	20.00	19.78	4.28	1.11	14.00	26.00	15.00	23.00

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

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2009-2010
Distribution for the College of Architecture and Design

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
*College	33	19.45	68-74	19.00	19.34	4.92	0.86	12.00	29.00	15.00	22.00
<u>Majors</u>											
Architecture	14	21.71	79-84	21.00	21.85	4.50	1.20	12.00	29.00	19.00	25.00
Interior Design	19	17.79	54-61	18.00	17.49	4.64	1.06	12.00	29.00	14.00	19.00

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Distribution for the College of Arts and Sciences

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
*College	468	20.38	74-79	21.00	20.46	5.01	0.23	0.00	32.00	17.00	24.00
<u>Majors</u>											
Biological Sciences	196	20.87	74-79	21.00	20.94	4.85	0.35	5.00	31.00	18.00	24.00
Chemistry	34	21.00	79	21.00	21.00	5.65	0.97	11.00	31.00	17.00	25.00
Classics	1	†	†	†	†	†	†	†	†	†	†
College Scholars	1	†	†	†	†	†	†	†	†	†	†
English	7	21.43	79-84	21.00	21.53	4.35	1.65	14.00	27.00	19.00	24.00
Geography	29	19.90	68-74	20.00	19.98	4.49	0.83	10.00	28.00	16.00	23.00
Graphic Design	1	†	†	†	†	†	†	†	†	†	†
History	71	20.87	74-79	21.00	20.88	4.30	0.51	11.00	31.00	18.00	24.00
Interdisciplinary Programs	7	23.57	88-91	22.00	23.41	3.99	1.51	20.00	30.00	20.00	24.00
Music	18	18.78	61-68	18.00	18.86	5.20	1.23	8.00	28.00	15.00	23.00
Philosophy	2	25.50	93-95	19.00	†	9.19	6.50	19.00	32.00	19.00	32.00
Physics	1	†	†	†	†	†	†	†	†	†	†
Political Science	5	20.00	74	21.00	20.17	4.36	1.95	13.00	24.00	13.00	23.00
Pre-professional Programs	6	17.83	54-61	18.00	17.81	6.11	2.50	9.00	27.00	14.00	21.00
Psychology	23	18.26	61-68	19.00	18.84	6.05	1.26	0.00	25.00	15.00	22.00
Sociology	40	18.33	61-68	18.00	18.36	5.27	0.83	6.00	29.00	15.00	22.00
Spanish	2	25.00	93	23.00	†	2.83	2.00	23.00	27.00	23.00	37.00
Studio Art	3	17.00	54	18.00	†	2.65	1.53	14.00	19.00	14.00	18.00
Theatre	21	19.38	68-74	20.00	19.31	5.02	1.09	11.00	29.00	15.00	22.00

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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 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
*College	177	19.51	68-74	20.00	19.55	4.82	0.36	8.00	31.00	16.00	23.00
<u>Majors</u>											
Accounting	40	21.93	79-84	22.00	21.94	4.60	0.73	13.00	31.00	18.00	25.00
Economics	1	†	†	†	†	†	†	†	†	†	†
Finance	25	20.68	74-79	21.00	20.74	4.82	0.96	10.00	30.00	17.00	23.00
Human Resource Development	1	†	†	†	†	†	†	†	†	†	†
Management	24	18.92	61-68	19.00	19.02	4.66	0.95	9.00	27.00	15.00	22.00
Logistics and Transportation	40	18.70	61-68	19.00	18.72	4.49	0.71	9.00	27.00	16.00	22.00
Marketing	42	17.67	54-61	17.00	17.71	4.49	0.69	8.00	27.00	15.00	20.00
Public Administration	2	16.50	46-54	15.00	†	2.12	1.50	15.00	18.00	15.00	18.00
Statistics	2	25.00	93	24.00	†	1.41	1.00	24.00	26.00	24.00	26.00

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†Not enough cases to compute

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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 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
*College	99	18.57	61-68	18.00	18.55	4.72	0.47	6.00	29.00	15.00	22.00
<u>Majors</u>											
Advertising	2	18.00	61	13.00	†	7.07	5.00	13.00	23.00	13.00	23.00
Speech Communication	96	18.60	61-68	18.00	18.60	4.73	0.48	6.00	29.00	15.00	22.00
Electronic Media	1	†	†	†	†	†	†	†	†	†	†

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†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2009-2010

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 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
*College	188	18.19	61-68	18.00	18.13	5.01	0.37	6.00	30.00	14.00	22.00
<u>Majors</u>											
Child and Family Studies	6	18.67	61-68	17.00	18.52	5.96	2.43	11.00	29.00	16.00	20.00
Community Health Education	1	†	†	†	†	†	†	†	†	†	†
Exercise Science	51	19.41	68-74	19.00	19.30	4.88	0.68	11.00	30.00	16.00	23.00
Hotel and Restaurant Administration	20	16.30	46-54	16.00	16.33	5.27	1.18	6.00	26.00	14.00	19.00
Nutrition	35	18.06	61-68	18.00	17.94	5.09	0.86	6.00	30.00	14.00	20.00
Recreation and Leisure Studies	3	14.33	31-38	14.00	†	5.51	3.18	9.00	20.00	9.00	14.00
Retail and Consumer Sciences	29	17.52	54-61	17.00	17.41	4.95	0.92	8.00	29.00	14.00	21.00
Special Education	12	17.67	54-61	17.00	17.57	4.54	1.31	12.00	25.00	13.00	21.00
Sport Management	31	18.74	61-68	19.00	18.84	4.87	0.87	9.00	27.00	15.00	23.00

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†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2009-2010

Distribution for the College of Engineering

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
*College	281	22.27	84-88	23.00	22.44	4.53	0.27	7.00	32.00	19.00	25.00
<u>Majors</u>											
Aerospace Engineering	21	20.67	74-79	19.00	20.51	4.72	1.03	13.00	31.00	17.00	23.00
Biomedical Engineering	20	21.35	79-84	22.00	21.50	5.12	1.15	11.00	29.00	20.00	24.00
Chemical Engineering	25	23.24	88-91	23.00	23.48	4.38	0.88	12.00	30.00	21.00	26.00
Civil Engineering	19	22.16	84-88	23.00	22.45	3.48	0.80	13.00	26.00	20.00	24.00
Computer Engineering	11	25.00	93	24.00	24.94	4.03	1.21	19.00	32.00	22.00	28.00
Computer Science	9	23.89	88-91	25.00	24.32	3.79	1.26	14.00	26.00	24.00	26.00
Electrical Engineering	39	22.77	84-88	23.00	22.97	4.56	0.73	11.00	30.00	20.00	26.00
Industrial Engineering	15	22.27	84-88	24.00	22.69	5.09	1.32	9.00	28.00	19.00	26.00
Material Science and Engineering	7	21.57	79-84	23.00	21.80	6.78	2.56	9.00	30.00	18.00	23.00
Mechanical Engineering	79	21.23	79-84	21.00	21.30	4.32	0.49	7.00	31.00	19.00	24.00
Nuclear Engineering	36	23.75	88-91	24.00	23.89	4.05	0.67	15.00	30.00	20.00	27.00

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

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2009-2010

Distribution for the College of Nursing

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
<u>Majors</u>											
Nursing	90	21.24	79-84	21.00	21.29	4.03	0.42	11.00	30.00	18.00	24.00

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

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2009-2010

Distribution for the College of Social Work

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
<u>Majors</u>											
Social Work	41	18.76	61-68	19.00	18.65	4.84	0.76	9.00	32.00	15.00	21.00

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

†Not enough cases to compute

California Critical Thinking Skills Test (CCTST) Performance Report 2009-2010

Comparison between 2008-2009 and 2009-2010

Group	N	Mean	%	Median	TR Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2009-2010	1502	20.19	74-79	20.00	20.25	4.96	0.13	0.00	32.00	17.00	24.00
University 2008-2009	1200	19.47	67-73	19.49	19.00	4.87	0.14	3.00	33.00	16.00	23.00
Colleges											
Agricultural Sciences and Natural Resources	125	19.94	68-74	20.00	20.08	4.76	0.43	6.00	30.00	17.00	23.00
	128	19.51	67-73	19.00	19.44	4.88	0.43	9.00	31.00	16.00	23.00
Architecture and Design	33	19.45	68-74	19.00	19.34	4.92	0.86	12.00	29.00	15.00	22.00
	28	20.57	73-79	21.00	20.50	3.44	0.65	14.00	29.00	18.00	23.00
Arts and Sciences	468	20.38	74-79	21.00	20.46	5.00	0.23	0.00	32.00	17.00	24.00
	256	18.48	61-67	18.00	18.50	5.09	0.32	4.00	33.00	15.00	22.00
Business Administration	177	19.51	68-74	20.00	19.55	4.82	0.36	8.00	31.00	16.00	23.00
	168	20.36	73-79	21.00	20.37	4.45	0.34	11.00	29.00	17.00	24.00
Communication and Information	99	18.27	61-68	18.00	18.55	4.72	0.47	6.00	29.00	15.00	22.00
	72	18.64	61-67	18.00	18.53	4.84	0.57	9.00	31.00	14.00	21.00
Education, Health, and Human Sciences	188	18.19	61-68	18.00	18.13	5.01	0.37	6.00	30.00	14.00	22.00
	185	18.01	61-67	18.00	18.03	4.19	0.31	3.00	28.00	15.00	21.00
Engineering	281	22.27	84-88	23.00	22.44	4.53	0.27	7.00	32.00	19.00	25.00
	218	21.34	79-83	22.00	21.50	5.24	0.36	5.00	33.00	18.00	25.00
Nursing	90	21.24	79-84	21.00	21.29	4.03	0.42	11.00	30.00	18.00	24.00
	111	19.41	67-73	20.00	19.43	4.33	0.41	6.00	29.00	16.00	22.00
Social Work	41	18.76	61-68	19.00	18.65	4.84	0.76	9.00	32.00	15.00	21.00
	34	19.21	67-73	19.00	19.27	4.31	0.74	9.00	27.00	15.00	22.00

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.