APPENDIX II – National Research Council Data

THE DEPARTMENT OF MATHEMATICS AT THE UNIVERSITY OF TENNESSEE AND THE 2010 NATIONAL RESEARCH COUNCIL DATA-BASED ASSESSMENT OF RESEARCH-DOCTORAL PROGRAMS IN THE UNITED STATES

- **1. History.** In prior (1982, 1995) rankings of doctoral programs in the United States, the National Research Council (henceforth, NRC) surveyed, for each academic field, a set of department heads and senior scholars, asking them to assign to each department offering a doctorate in their field a score ranging from 5 (distinguished department) to 0 (department not qualified to offer doctoral work). Departments in each field were then ranked by the average of their assigned scores. Respondents assigned scores purely on a reputational basis. In the 1995 rankings the Department of Mathematics at the University of Tennessee was tied with Tulane University and Iowa State University for 73rd place out of 139 doctoral programs, with a score of 2.59.
- 2. The 2010 NRC Rankings. Dissatisfied with purely reputational assessments of departments, the NRC undertook a major departure from previous surveys, materializing in the 2010 NRC Data-Based Assessment of Research-Doctoral Programs in the United States. As the name suggests, this assessment was data-driven, based on information provided by university administrations, departments and their faculty members involved in doctoral level education, as well as on information gleaned from citation indices, membership lists of honorary academic academies, etc. This produced for each department a list of 20 numerical program values (19 in the humanities and computer science), which were then standardized to put them on the same scale. It remained only to select weights with which to compute weighted averages of these standardized values, and then to rank programs according to the magnitude of these weighted averages.

In two surveys, program faculty provided the NRC with information on what program characteristics they regarded as most important: 1. Faculty were asked directly how important each of the 20 (resp., 19) program characteristics were, ultimately expressed in so-called "S-weights." 2. A sample of faculty rated a sample of programs in their fields, based on reputation and information collected by NRC about programs. From these ratings, so-called "R- weights" were extracted by a statistical method called regression, in such a way that the ranks produced by taking R-weighted averages of the 20 (resp., 19) program values reproduced the reputational rankings for the most highly rated programs.

The NRC then obtained a *middle 90 percent range of S-ranks* for each program in a given field through calculations carried out 500 times, each with a different randomly selected set of half of the faculty respondents who had provided S-weights. The 500 samples resulted in a set of 500 S-ranks for each department. The top and bottom 25 ranks were then trimmed and the highest (i.e., numerically smallest) and lowest (i.e., numerically largest) of the remaining 450 ranks were then reported. When the repeated sampling was done from the set of faculty who (indirectly) provided R-weights, the same procedure produced a *middle 90 percent range of R-ranks*.

The 20 (resp. 19) variables used to construct the S- and R-rankings fall into three disjoint categories: Research Activity, Student Support and Outcomes, and Diversity of the Educational Environment. Using the same sampling technique employed in the construction of the S-rank ranges, but with variables restricted to each of the three categories, produced three additional rankings, leading to *middle 90 percent research-rank, student-rank, and diversity-rank ranges*.

CAVEAT. As noted in the November 30, 2010 *Princeton Alumni weekly*, "the S-rankings tended to give the most weight to faculty research activities, while the R-ratings gave substantial weight to program size." In addition, it should be noted that females and minorities are often underrepresented among the faculty and graduate students in highly regarded departments of science and mathematics. This has led to variables such as percent of female faculty, or percent of female graduate students being given **negative** R-weights in some samples, so that, for example, the larger the percentage of female faculty members in a department, the more this detracts from its rating, and hence its rank in such samples. This seems to us to be a highly objectionable feature of the R-rankings, so we prefer to give more weight to the S-ranking and the Research ranking.

The next four pages show the 2010 NRC data for all 127 ranked Mathematics Departments. The first column shows the 1995 overall ranking. The next column shows the S5 ranking, which means that only 5% of the rankings put that department higher than the number in that column (e.g., on line 50, only 5% of the rankings put UT higher than 36th). The third column shows the S95 ranking, which means that 95% of the rankings put that department higher than the number in that column (e.g., on line 50, 95% of the rankings put UT higher than 62th). The next column is the average of the previous two columns (e.g., on line 50, the average of 36 and 62 is 49). This S avg column was used to sort the list, from lowest to highest. The next 3 columns are similar, but for the R-ranking: R5, R95, and R avg. The next 3 columns are similar, for the Research ranking. The following 3 columns are similar, for the Student Outcomes ranking. The last 3 columns cover the Diversity ranking.

The next 5 pages contain Tables 1-5. They are based on the NRC data recorded on the following page, the last page of this appendix. Looking at the upper left table on this last page, we see, for example, the S-avg of 49 for mathematics, as described in the previous paragraph. We have done similar averages for all of the other departments in Arts and Sciences and listed them in increasing order in the column marked "Midpoint." The column marked "Total" shows the total number of programs ranked in each discipline. For example, that number for Math is 127. The other tables on the last page show similar NRC data for the R-ranking, Research ranking, Student ranking, and Diversity ranking.

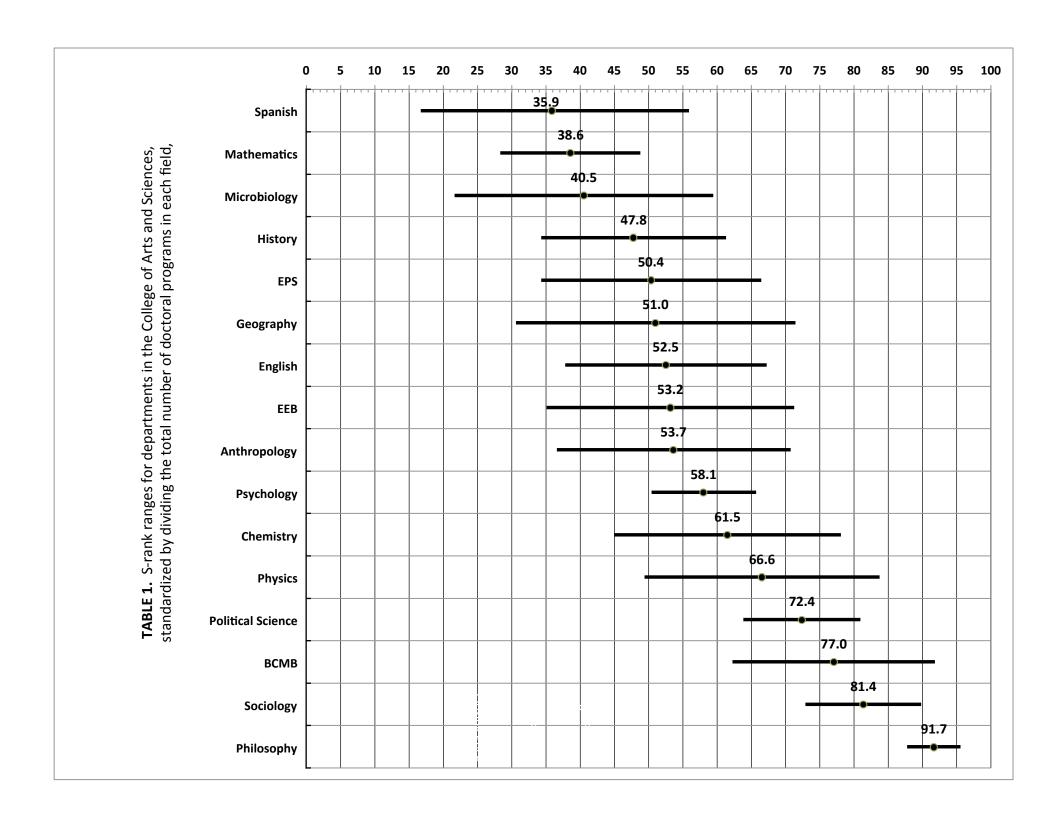
Table 1 was obtained from the S-ranking data on the last page and the S5 and S95 data. For example, by dividing Math's S avg of 49 by 127, the number of ranked programs, we get the normalized midpoint 38.6. Similarly Math's normalized 5% value is 36/127 = 28.3, and Math's normalized 95% value is 62/127 = 48.8. The bar on Table 1 for Math goes from 28.3 to 48.8, centered at 38.6. We have done similarly for the other Arts and Science departments in Table 1, listed in increasing order of midpoint. Table 2 is similar, but for the R-ranking; Table 3 is the Research ranking; Table 4 is the Student ranking, and Table 5 is the Diversity ranking.

University		1995	S5	S95	S avg	R5	R95	R avg	Re5	Re95	Re av	St 5	St 95	St av	D5	D95	D avg
1 PRINCETON UNIVERSITY	Private	1	1	3	2	1	4	2.5	1	3	2	3	25	14	39	78	58.5
2 HARVARD UNIVERSITY	Private	4	1	4	2.5	2	5	3.5	3	9	6	1	14	7.5	26	67	46.5
3 NEW YORK UNIVERSITY	Private	8	1	4	2.5	2	6	4	1	2	1.5	15	89	52	50	93	71.5
4 UNIVERSITY OF CALIFORNIA-BERI	Public	2	3	8	5.5	1	3	2	3	10	6.5	35	89	62	110	120	115
5 STANFORD UNIVERSITY	Private	6	3	9	6	4	9	6.5	3	12	7.5	5	36	20.5	36	79	57.5
6 MASSACHUSETTS INSTITUTE OF 7	Private	3	4	11	7.5	5	11	8	4	19	11.5	13	57	35	39	78	58.5
7 YALE UNIVERSITY	Private	7	5	13	9	4	11	7.5	4	13	8.5	9	61	35	29	75	52
8 PENN STATE UNIVERSITY	Public	36	5	16	10.5	5	16	10.5	5	26	15.5	32	86	59	10	33	21.5
9 COLUMBIA UNIVERSITY IN THE CI	Private	10	5	17	11	9	25	17	4	22	13	32	91	61.5	27	61	44
10 UNIVERSITY OF WISCONSIN-MADI	Public	13	6	16	11	6	15	10.5	6	22	14	28	84	56	71	100	85.5
11 CALIFORNIA INSTITUTE OF TECHN	Private	11	5	20	12.5	9	32	20.5	4	22	13	23	91	57	18	54	36
12 UNIVERSITY OF MICHIGAN-ANN AI	Public	9	7	20	13.5	4	12	8	6	23	14.5	27	83	55	54	88	71
13 BROWN UNIVERSITY	Private	16	9	27	18	10	37	23.5	12	44	28	7	39	23	7	24	15.5
14 UNIVERSITY OF NOTRE DAME	Private	43	10	27	18.5	19	49	34	15	40	27.5	2	32	17	56	88	72
15 UNIVERSITY OF CALIFORNIA-DAVI	Public	80	9	33	21	16	47	31.5	5	24	14.5	24	89	56.5	99	114	106.5
16 VANDERBILT UNIVERSITY	Private	84	11	31	21	17	48	32.5	21	55	38	1	24	12.5	42	83	62.5
17 INDIANA UNIVERSITY AT BLOOMIN	Public	33	12	32	22	14	39	26.5	16	45	30.5	22	84	53	42	80	61
18 UNIVERSITY OF CALIFORNIA-LOS	Public	12	13	31	22	8	28	18	22	49	35.5	56	100	78	104	117	110.5
19 UNIVERSITY OF TEXAS AT AUSTIN	Public	23	12	32	22	9	30	19.5	9	29	19	40	94	67	120	124	122
20 UNIVERSITY OF CALIFORNIA-IRVIN	Public	60	11	34	22.5	20	52	36	4	16	10	105	120	113	60	90	75
21 BOSTON UNIVERSITY	Private	47	13	34	23.5	24	53	38.5	15	43	29	14	66	40	14	38	26
22 UNIVERSITY OF CALIFORNIA-SAN	Public	17	13	34	23.5	10	28	19	13	36	24.5	20	77	48.5	119	123	121
23 DUKE UNIVERSITY	Private	34	13	38	25.5	14	47	30.5	19	57	38	6	45	25.5	108	118	113
24 UNIVERSITY OF DELAWARE	Public	76	11	40	25.5	20	54	37	7	33	20	52	102	77	16	44	30
25 RUTGERS THE STATE UNIVERSITY	Public	19	14	41	27.5	12	36	24	10	30	20	36	96	66	55	89	72
26 CORNELL UNIVERSITY	Private	15	15	42	28.5	12	37	24.5	21	55	38	7	43	25	87	109	98
27 UNIVERSITY OF MASSACHUSETTS	Public	55	15	47	31	25	56	40.5	8	32	20	32	96	64	85	106	95.5
28 UNIVERSITY OF ILLINOIS AT URBA	Public	21	17	47	32	12	36	24	12	36	24	105	121	113	53	88	70.5
29 CARNEGIE MELLON UNIVERSITY	Private	38	19	48	33.5	27	54	40.5	26	59	42.5	5	41	23	61	95	78
30 TEXAS A & M UNIVERSITY	Public	59	19	55	37	12	41	26.5	12	45	28.5	79	111	95	25	65	45
31 UNIVERSITY OF ARIZONA	Public	50	21	53	37	20	48	34	16	47	31.5	36	97	66.5	76	100	88
32 UNIVERSITY OF MARYLAND COLLI	Public	18	25	50	37.5	13	38	25.5	13	30	21.5	101	120	111	105	118	111.5
33 ARIZONA STATE UNIVERSITY	Public	81	22	54	38	40	70	55	24	59	41.5	35	89	62	24	51	37.5

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University		1995	S5	S95	S avg	R5	R95	•			Re av				D5		D avg
34 MICHIGAN STATE UNIVERSITY	Public	45	24	52	38	11	43	27	20	51	35.5	87	117	102	8	28	18
35 RENSSELAER POLYTECHNIC INST	Private	48	20	57	38.5	26	67	46.5	21	57	39	26	103	64.5	14	39	26.5
36 BRANDEIS UNIVERSITY	Private	31	21	57	39	16	42	29	16	54	35	19	75	47	29	72	50.5
37 UNIVERSITY OF PENNSYLVANIA	Private	22	25	54	39.5	17	42	29.5	33	65	49	11	56	33.5	70	100	85
38 UNIVERSITY OF VIRGINIA	Public	42	24	56	40	50	74	62	39	74	56.5	2	33	17.5	64	91	77.5
39 UNIVERSITY OF CALIFORNIA-SAN	Public	46	24	57	40.5	25	54	39.5	28	65	46.5	14	60	37	104	116	110
40 UNIVERSITY OF ROCHESTER	Private	53	18	64	41	37	78	57.5	13	59	36	14	106	60	32	70	51
41 UNIVERSITY OF CHICAGO	Private	5	27	57	42	12	39	25.5	41	71	56	25	79	52	93	113	103
42 PURDUE UNIVERSITY MAIN CAMP	Public	25	26	59	42.5	12	42	27	22	55	38.5	105	122	114	8	25	16.5
43 UNIVERSITY OF KENTUCKY	Public	67	28	57	42.5	37	69	53	37	67	52	3	30	16.5	99	116	107.5
44 GEORGIA INSTITUTE OF TECHNOL	Public	41	27	60	43.5	24	52	38	18	52	35	62	105	83.5	51	91	71
45 STATE UNIVERSITY OF NEW YORK	Public	20	24	63	43.5	13	42	27.5	19	59	39	52	102	77	41	86	63.5
46 UNIVERSITY OF MINNESOTA-TWIN	Public	14	30	58	44	19	46	32.5	25	54	39.5	56	104	80	18	55	36.5
47 UNIVERSITY OF WASHINGTON	Public	26	29	59	44	26	50	38	26	60	43	38	90	64	100	115	107.5
48 UNIVERSITY OF OREGON	Public	44	30	61	45.5	36	68	52	28	61	44.5	38	101	69.5	123	125	124
49 UNIVERSITY OF PITTSBURGH PITT	Public	57	34	63	48.5	28	55	41.5	35	64	49.5	25	94	59.5	34	71	52.5
50 UNIVERSITY OF TENNESSEE	Public	73	36	62	49	39	65	52	43	69	56	25	81	53	72	97	84.5
51 UNIVERSITY OF ILLINOIS AT CHICA	Public	32	31	68	49.5	16	51	33.5	31	71	51	65	106	85.5	11	32	21.5
52 UNIVERSITY OF MISSOURI - COLU	Public	91	37	62	49.5	48	71	59.5	34	62	48	13	70	41.5	19	51	35
53 UNIVERSITY OF HOUSTON	Public	64	33	68	50.5	61	98	79.5	41	72	56.5	1	32	16.5	2	12	7
54 UNIVERSITY OF IOWA	Public	58	39	65	52	58	87	72.5	64	85	74.5	4	44	24	31	61	46
55 UNIVERSITY OF UTAH	Public	35	38	71	54.5	42	67	54.5	25	62	43.5	31	100	65.5	59	89	74
56 UNIVERSITY OF KANSAS	Public	-	34	76	55	49	80	64.5	30	72	51	27	93	60	16	47	31.5
57 SYRACUSE UNIVERSITY MAIN CAN	Private	69	34	78	56	50	81	65.5	33	79	56	9	61	35	55	89	72
58 NORTHWESTERN UNIVERSITY	Private	27	39	74	56.5	29	57	43	34	70	52	12	66	39	55	89	72
59 NORTH CAROLINA STATE UNIVER	Public	54	41	73	57	50	75	62.5	34	73	53.5	20	77	48.5	95	112	103.5
60 UNIVERSITY OF NEBRASKA - LINC	Public	83	45	72	58.5	66	100	83	63	91	77	14	69	41.5	72	99	85.5
61 UNIVERSITY OF NORTH CAROLINA	Public	39	41	76	58.5	48	77	62.5	41	77	59	30	97	63.5	24	60	42
62 UNIVERSITY OF FLORIDA	Public	51	50	82	66	35	63	49	32	66	49	46	106	76	25	62	43.5
63 OHIO STATE UNIVERSITY MAIN CA	Public	28	52	82	67	18	46	32	42	73	57.5	90	119	105	32	75	53.5
64 VIRGINIA POLYTECHNIC INSTITUT	Public	62	52	82	67	61	93	77	63	90	76.5	11	60	35.5	31	65	48
65 UNIVERSITY OF SOUTHERN CALIF	Private	40	49	86	67.5	45	74	59.5	32	71	51.5	34	98	66	124	127	125.5
66 EMORY UNIVERSITY	Private	-	53	84	68.5	71	104	87.5	58	83	70.5	6	66	36	19	52	35.5

University		1995	S5	S95	S avg	R5	R95	R avg	Re5	Re95	Re av	St 5	St 95	St av	D5	D95	D avg
67 BAYLOR UNIVERSITY	Private	-	56	82	69	68	116	92	61	78	69.5	1	19	10	119	123	121
68 FLORIDA STATE UNIVERSITY	Public	78	50	88	69	50	82	66	30	72	51	86	117	102	23	57	40
69 JOHNS HOPKINS UNIVERSITY	Private	29	56	83	69.5	39	63	51	53	79	66	39	97	68	66	96	81
70 RICE UNIVERSITY	Private	24	55	84	69.5	32	57	44.5	55	84	69.5	42	92	67	92	111	101.5
71 UNIVERSITY OF MIAMI	Private	99	52	87	69.5	63	98	80.5	33	71	52	64	114	89	65	91	78
72 LOUISIANA STATE UNIVERSITY AN	Public	66	55	87	71	51	79	65	62	95	78.5	26	84	55	25	59	42
73 NORTHEASTERN UNIVERSITY	Private	77	58	87	72.5	44	69	56.5	54	81	67.5	19	80	49.5	124	127	125.5
74 MICHIGAN TECHNOLOGICAL UNIV	Public	-	58	88	73	66	105	85.5	68	98	83	72	120	96	1	8	4.5
75 WASHINGTON UNIVERSITY IN ST.	Private	37	60	90	75	55	78	66.5	62	97	79.5	26	77	51.5	84	106	95
76 BOWLING GREEN STATE UNIVERS	Public	110	61	90	75.5	87	114	100.5	85	111	98	1	31	16	7	23	15
77 KENT STATE UNIVERSITY MAIN C/	Public	82	62	89	75.5	57	90	73.5	70	100	85	16	63	39.5	46	82	64
78 NEW MEXICO STATE UNIVERSITY	Public	107	61	90	75.5	73	115	94	73	102	87.5	80	118	99	3	10	6.5
79 STATE UNIVERSITY OF NEW YORK	Public	65	64	89	76.5	74	104	89	85	109	97	3	27	15	16	41	28.5
80 WAYNE STATE UNIVERSITY	Public	90	62	91	76.5	79	115	97	71	97	84	9	75	42	1	8	4.5
81 DARTMOUTH COLLEGE	Private	49	65	90	77.5	78	108	93	80	107	93.5	7	51	29	90	108	99
82 HOWARD UNIVERSITY	Private	113	66	94	80	112	127	119.5	99	122	110.5	74	119	96.5	4	10	7
83 UNIVERSITY OF VERMONT	Public	-	59	101	80	59	112	85.5	47	76	61.5	31	97	64	76	105	90.5
84 TEMPLE UNIVERSITY	Public	68	67	95	81	83	114	98.5	77	107	92	3	42	22.5	16	45	30.5
85 UNIVERSITY OF MEMPHIS	Public	-	68	94	81	106	123	114.5	75	104	89.5	47	106	76.5	8	20	14
86 IOWA STATE UNIVERSITY	Public	58	69	96	82.5	70	99	84.5	81	114	97.5	3	43	23	35	70	52.5
87 UNIVERSITY OF GEORGIA	Public	56	71	96	83.5	53	77	65	73	99	86	35	97	66	37	71	54
88 WESTERN MICHIGAN UNIVERSITY	Public	109	72	97	84.5	75	110	92.5	101	117	109	1	51	26	70	93	81.5
89 UNIVERSITY OF CONNECTICUT	Public	97	75	98	86.5	71	98	84.5	73	101	87	27	89	58	71	98	84.5
90 UNIVERSITY OF SOUTH CAROLIN/	Public	71	77	103	90	58	87	72.5	58	84	71	113	125	119	28	67	47.5
91 UNIVERSITY OF ALABAMA	Public	122	82	102	92	84	115	99.5	78	100	89	29	91	60	8	23	15.5
92 UNIVERSITY OF CALIFORNIA-SAN	Public	52	77	107	92	67	101	84	32	69	50.5	92	118	105	89	108	98.5
93 TUFTS UNIVERSITY	Private	-	82	104	93	72	113	92.5	88	109	98.5	47	114	80.5	13	34	23.5
94 UNIVERSITY OF NEW HAMPSHIRE	Public	-	78	108	93	79	120	99.5	64	89	76.5	116	126	121	1	5	3
95 CLEMSON UNIVERSITY	Public	88	84	105	94.5	58	86	72	76	107	91.5	47	98	72.5	60	89	74.5
96 UNIVERSITY OF OKLAHOMA NORN	Public	96	85	105	95	66	94	80	88	115	101.5	71	112	91.5	23	57	40
97 UNIVERSITY OF CALIFORNIA-RIVE	Public	75	83	108	95.5	73	104	88.5	73	109	91	34	97	65.5	89	106	97.5
98 KANSAS STATE UNIVERSITY	Public	87	85	108	96.5	65	96	80.5	102	121	111.5	3	71	37	23	67	45
99 CLAREMONT GRADUATE UNIVERS	Private	70	88	111	99.5	80	116	98	79	108	93.5	126	127	127	106	117	111.5

University		1995	S5	S95	S avg	R5	R95	R avg	Re5	Re95	Re av	St 5	St 95	St av	D5	D95	D avg
100 STEVENS INSTITUTE OF TECHNOL	Private	118	89	113	101	113	125	119	110	124	117	14	90	52	33	68	50.5
101 INDIANA UNIVERSITY PURDUE UN	Public	-	90	113	101.5	72	110	91	81	108	94.5	38	108	73	113	120	116.5
102 UNIVERSITY OF NORTH TEXAS	Public	101	88	115	101.5	85	115	100	68	98	83	75	123	99	44	80	62
103 UNIVERSITY OF CINCINNATI MAIN	Public	102	92	112	102	71	105	88	91	112	101.5	102	125	114	8	26	17
104 UNIVERSITY OF MISSOURI - ROLL	Public	125	93	115	104	77	114	95.5	79	107	93	112	123	118	89	110	99.5
105 UNIVERSITY OF RHODE ISLAND	Public	119	91	117	104	112	126	119	108	125	116.5	2	35	18.5	73	100	86.5
106 GEORGE WASHINGTON UNIVERSI	Private	127	96	116	106	99	120	109.5	99	119	109	39	107	73	14	38	26
107 UNIVERSITY OF WISCONSIN-MILW	Public	111	94	119	106.5	76	109	92.5	73	110	91.5	85	113	99	46	85	65.5
108 TEXAS TECH UNIVERSITY	Public	103	98	118	108	88	114	101	102	121	111.5	23	79	51	33	64	48.5
109 STATE UNIVERSITY OF NEW YOR	Public	79	100	118	109	101	124	112.5	106	120	113	67	114	90.5	117	122	119.5
110 OREGON STATE UNIVERSITY	Public	86	99	120	109.5	81	111	96	78	105	91.5	120	126	123	88	106	97
111 CITY UNIVERSITY OF NEW YORK (Public	30	100	120	110	57	95	76	71	96	83.5	121	126	124	101	115	108
112 MONTANA STATE UNIVERSITY - BO	Public	-	101	120	110.5	106	125	115.5	97	116	106.5	33	101	67	107	118	112.5
113 TULANE UNIVERSITY	Private	72	99	122	110.5	101	123	112	82	113	97.5	97	120	109	37	71	54
114 UNIVERSITY OF SOUTH FLORIDA	Public	108	104	121	112.5	93	116	104.5	97	115	106	78	114	96	22	59	40.5
115 OHIO UNIVERSITY MAIN CAMPUS	Public	120	105	121	113	108	125	116.5	116	124	120	63	110	86.5	84	109	96.5
116 LEHIGH UNIVERSITY	Private	93	105	122	113.5	101	125	113	122	125	123.5	24	79	51.5	80	105	92.5
117 SOUTHERN ILLINOIS UNIVERSITY	Public	105	105	122	113.5	109	122	115.5	115	124	119.5	62	110	86	5	23	14
118 STATE UNIVERSITY OF NEW YOR	Public	63	107	120	113.5	99	119	109	102	114	108	75	114	94.5	10	32	21
119 UNIVERSITY OF ARKANSAS MAIN	Public	-	105	125	115	82	116	99	107	123	115	31	117	74	85	107	96
120 COLORADO STATE UNIVERSITY	Public	92	111	125	118	85	120	102.5	100	121	110.5	86	121	104	40	76	58
121 MISSISSIPPI STATE UNIVERSITY	Public	-	110	126	118	87	126	106.5	82	106	94	120	127	124	1	7	4
122 UNIVERSITY OF COLORADO AT BO	Public	61	112	125	118.5	76	104	90	94	116	105	113	123	118	118	122	120
123 AUBURN UNIVERSITY	Public	89	118	125	121.5	120	126	123	115	124	119.5	42	93	67.5	15	44	29.5
124 NORTHERN ILLINOIS UNIVERSITY	Public	114	118	126	122	115	126	120.5	114	123	118.5	42	102	72	57	87	72
125 UNIVERSITY OF TOLEDO	Public	-	118	126	122	98	120	109	125	127	126	26	104	65	3	15	9
126 UNIVERSITY OF HAWAII AT MANO	Public	94	123	127	125	87	114	100.5	117	125	121	86	117	102	126	127	126.5
127 UNIVERSITY OF MISSISSIPPI	Public	132	126	127	126.5	126	127	126.5	126	127	126.5	3	63	33	20	46	33



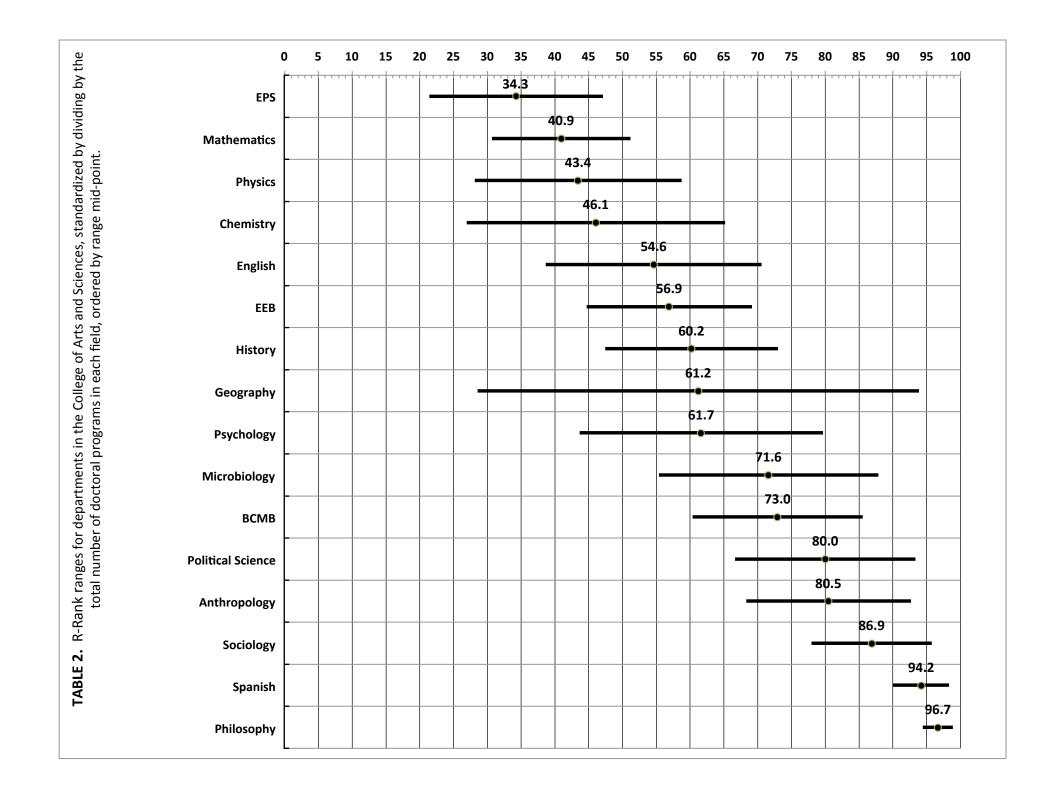
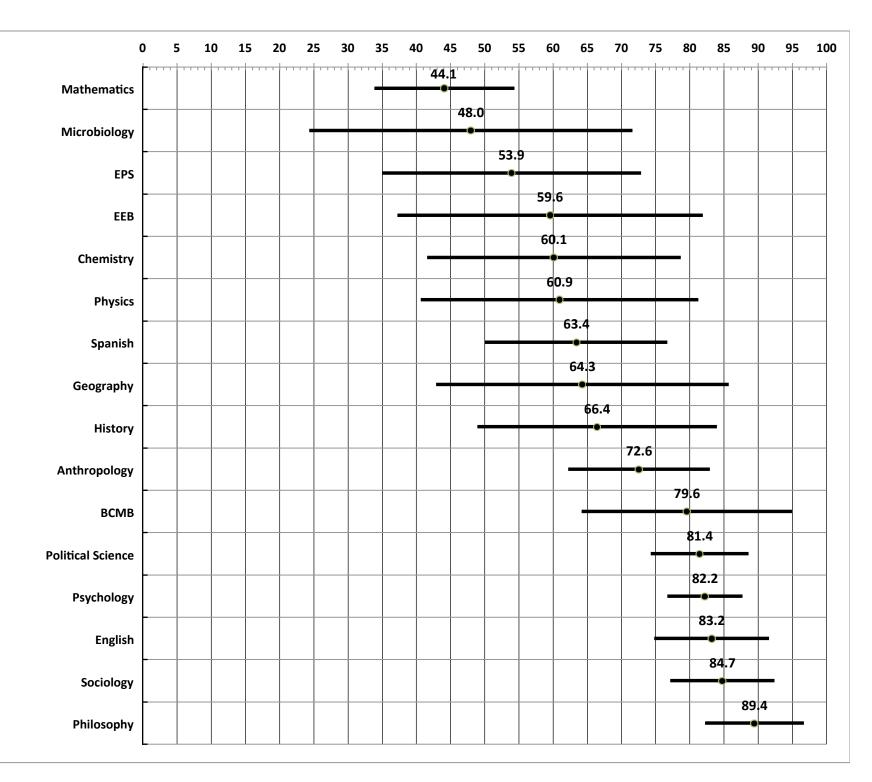
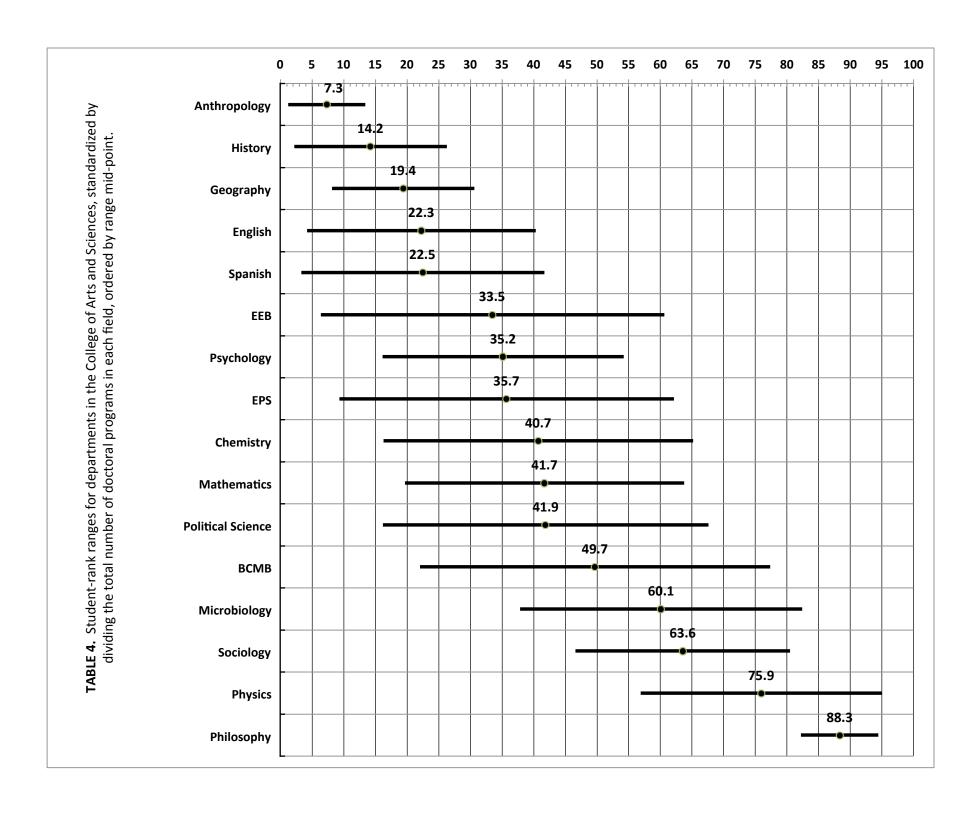
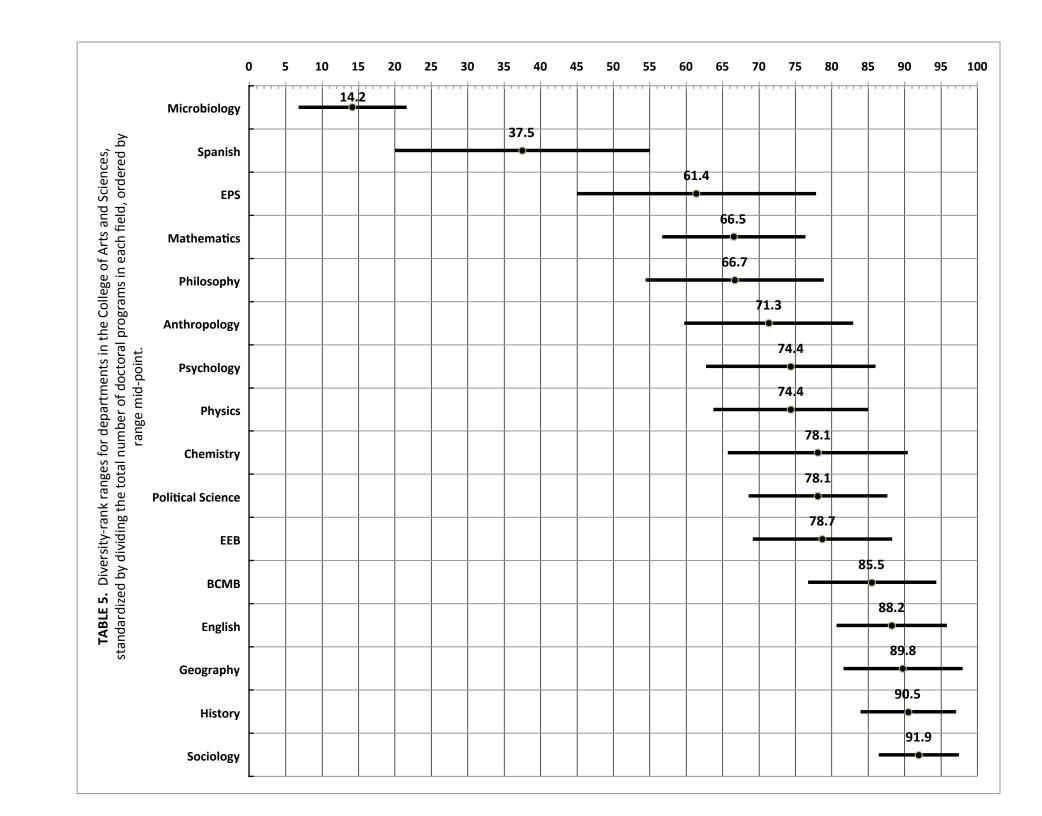


TABLE 3. Research-rank ranges for departments in the College of Arts and Sciences, standardized by dividing by the total number of doctoral programs in each field, ordered by range mid-point.







S-Rank	Midpoint	Total
Geography	25	49
Microbiology	30	74
Anthropology	44	82
Mathematics	49	127
EEB	50	94
English	62.5	119
History	65.5	137
EPS	70.5	140
Political Science	76	105
Philosophy	82.5	90
Sociology	96	118
Physics	106.5	160
Chemistry	109.5	178
ВСМВ	122.5	159
Psychology	137	236

Research	Midpoint	Total
Geography	31.5	49
Microbiology	35.5	74
EEB	56	94
Mathematics	56	127
Anthropology	59.5	82
EPS	75.5	140
Philosophy	80.5	90
Political Science	85.5	105
History	91	137
Physics	97.5	160
English	99	119
Sociology	100	118
Chemistry	107	178
ВСМВ	126.5	159
Psychology	194	236

Diversity	Midpoint	Total
Microbiology	10.5	74
Geography	44	49
Anthropology	58.5	82
Philosophy	60	90
EEB	74	94
Political Science	82	105
Mathematics	84.5	127
EPS	86	140
English	105	119
Sociology	108.5	118
Physics	119	160
History	124	137
ВСМВ	136	159
Chemistry	139	178
Psychology	175.5	236

R-Rank	Midpoint	Total
Geography	30	49
EPS	48	140
Mathematics	52	127
Microbiology	53	74
EEB	53.5	94
English	65	119
Anthropology	66	82
Physics	69.5	160
History	82.5	137
Political Science	84	105
Philosophy	87	90
Sociology	102.5	118
ВСМВ	116	159
Chemistry	175.5	178
Psychology	180.5	236

Students	Midpoint	Total
Anthropology	6	82
Geography	9.5	49
History	19.5	137
English	26.5	119
EEB	31.5	94
Political Science	44	105
Microbiology	44.5	74
EPS	50	140
Mathematics	53	127
Chemistry	72.5	178
Sociology	75	118
ВСМВ	79	159
Philosophy	79.5	90
Psychology	83	236
Physics	121.5	160