

The following supplementary material accompanies the article “Reverse Engineering College Rankings,” by Tim Chartier and Justin Peachey (*Math Horizons*, November 2014, pp. 5–7).

The weights obtained from the least-squares method (the components of the vector \mathbf{w} in the article) are given below.

Academic reputation: 0.4712

Selectivity rank: 0.2277

25th and 75th percentile SAT scores: 0.011

Percentage of freshmen in the top 10 percent of their high school class: 0.1822

Acceptance rate: -0.0103

Faculty resource rank: -0.0693

Percentage of classes with fewer than 20 students: 20 0.0714

Percentage of classes with 50 or more students: -0.1504

Student/faculty ratio: 0.0727

Percentage of faculty who are full time: -0.1082

Graduation retention rank: -0.1241

Freshman retention: 0.1964

Financial resources rank: -0.1051

Alumni giving rank: 0.1776

College	Score	Aca.	Sel	SAT	Top 10	Acc.	Fa. R.	< 20	≥ 50	Rat.	% FT	Gr. R.	Fr. R.	Fin.	Alum.
Williams	100	92	4	1310–1530	91	17	3	71	4	7	93	1	97	6	58
Amherst	98	92	5	1320–1530	84	13	7	70	2	9	94	1	98	10	57
Swarthmore	96	91	6	1350–1530	84	15	7	74	2	8	93	4	97	9	46
Middlebury	94	87	6	1290–1480	86	18	17	68	1	9	94	11	96	3	55
Pomona	94	87	2	1370–1550	90	14	20	70	1	8	94	1	98	6	43
Bowdoin	93	87	8	1330–1490	83	16	14	68	1	10	93	6	96	14	50
Wellesley	93	89	12	1290–1490	78	31	12	69	1	8	93	14	95	10	46
Carleton	92	88	12	1320–1510	78	31	16	65	1	9	97	4	97	27	58
Haverford	91	83	2	1300–1500	94	25	5	79	1	8	94	6	96	15	44
Claremont McKenna	90	85	14	1300–1480	71	14	4	86	2	9	94	11	96	21	43
Vassar	90	88	14	1320–1470	74	23	20	68	0.3	8	95	6	97	13	33
Davidson	89	83	10	1270–1450	82	28	15	69	0	11	99	6	96	37	53
Harvey Mudd	89	89	1	1430–1570	95	22	18	67	2	8	97	21	98	18	33
US Naval Academy	88	88	46	1160–1380	53	7	24	61	0	9	94	25	97	1	21
Washington and Lee	88	78	9	1310–1480	81	18	2	74	0.2	9	91	14	94	25	46
Hamilton	87	81	17	1310–1470	74	27	6	74	1	9	94	21	95	23	47
Wesleyan	86	85	19	1300–1480	66	24	48	68	5	9	97	6	96	29	49
Colby	84	81	25	1250–1420	61	29	20	69	2	10	93	14	95	29	41
Colgate	84	83	19	1260–1440	67	29	29	64	2	9	95	14	94	32	40
Smith	84	85	35	1200–1440	61	45	20	66	5	9	97	35	92	21	36
US Military Academy	83	83	28	1150–1370	58	27	43	67	3	10	95	14	94	35	46
Bates	83	83	28	1260–1420	58	27	43	67	3	10	95	14	94	35	46
Grinnell	83	86	32	NA	62	51	29	62	0.3	9	91	28	94	27	40
Macalester	82	83	19	1240–1440	70	35	35	70	1	10	89	28	94	41	39
Bryn Mawr	81	83	39	1200–1430	60	46	27	74	3	8	90	47	92	23	40
Oberlin	81	82	19	1280–1460	68	30	43	70	3	9	96	32	94	37	38

Data published for U.S. News & World Report 2013 rankings. The columns corresponds to the following categories (left-to-right): college name, overall score, academic reputation, selectivity rank, 25th and 75th percentile SAT scores, percentage of freshmen in the top 10 percent of their high school class, acceptance rate, faculty resource rank, percentage of classes with fewer than 20 students, percentage of classes with 50 or more students, student/faculty ratio, percentage of faculty who are full time, graduation retention rank, freshman retention, financial resources rank, and alumni giving rank.