

Pseudo ranking of 112 US higher Education and research institutions in mathematics

When all publications are considered ($\phi = 1$)

When direct 3-years citations are used to account for publications impact

Institution	Strong dominance Rank	Strong dominance Importance	Dominance Rank	Dominance Importance	Weak dominance Rank	Weak dominance Importance
Berkeley	1	.55402020823572	1	.66838135665498	1	.61132933164164
MIT	5	.02884032025786	2	.10498867366123	4	.06604547295303
Stanford	12	.01143960842175	3	.09136087136180	2	.16729640634266
Princeton	9	.02144431547315	4	.06893839308326	3	.11788960291533
Twin_Cities	4	.03299674508737	5	.02255712614634	7	.00932136205730
Seattle	10	.01534276118653	6	.01162897870118	5	.01118563446876
Harvard	15	.00645245121993	7	.00896899131142	6	.01108801233101
WI_Madison	8	.02166212944882	8	.00698542880053	8	.00209243785737
UM_Ann_Arbor	3	.10406903090191	9	.00643381495172	9	.00134370468053
UCLA	7	.02196191147452	10	.00395162560660	10	.00090204276308
Urbana_Champaign	2	.10615599271526	11	.00316068728914	11	.00057628883804
Texas_AM	6	.02577020233870	12	.00075231596224	14	.00013534651243
Cornell	17	.00292298987429	13	.00062962745385	12	.00029887893058
PA_Univ_Park	11	.01384093459181	14	.00021941381293	19	.00002262950342
Chicago	19	.00166031350796	15	.00018145894960	15	.00007075564265
Columbia	22	.00110196372890	15	.00018145894960	15	.00007075564265
Caltech	18	.00236003514860	17	.00015333212530	18	.00006411231615
New_Brunswick	13	.00961666354860	18	.00013155191247	21	.00001525345902
Northwestern	25	.00068291358544	19	.00011551804375	13	.00013681870824
NYU	20	.00153574970158	20	.00010337488722	17	.00006840935412
UCSD	16	.00396485904964	21	.00005720492636	20	.00001942824918
Austin	23	.00085550698518	22	.00004924682671	22	.00001475799697
Columbus	14	.00727796465272	23	.00003885949413	24	.00000490886135
Raleigh	31	.00014198585447	24	.00001578418937	23	.00000501537184
MD_Coll_Park	28	.00026125397222	25	.00000451356139	26	.00000053676709
UC_Davis	38	.00003295826089	26	.00000445147076	25	.00000115318120
Georgia_Inst_Tech	24	.00084097837856	27	.00000142021300	29	.00000013145781
UNC	27	.00026226267482	28	.00000095819370	28	.00000029165077
Duke	34	.00006019586237	29	.00000085264584	27	.00000034305063
Pennsylvania	36	.00005384245292	30	.00000082078543	30	.00000007531585
Purdue	21	.00126507093858	31	.00000080892855	31	.00000001952328
Florida	26	.00026858351228	32	.00000031209396	35	.00000000941390
Iowa	29	.00020622152306	33	.00000022029188	34	.00000001297833
Pittsburgh	32	.00010594788324	34	.00000017664302	33	.00000001635863
UC_Irvine	33	.00006435761777	35	.00000010504585	32	.00000001677503
Michigan	30	.00019125878342	36	.00000006787007	39	.00000000173466
Johns_Hopkins	40	.00002551559065	37	.00000005345658	36	.00000000792246
Brown	37	.00005201587543	38	.00000003902456	37	.00000000764153
Iowa_State	42	.00001481661776	39	.00000003009167	40	.00000000160140

When all publications are considered ($\phi = 1$)

When direct 3-years citations are used to account for publications impact

Institution	Strong dominance Rank	Strong dominance Importance	Dominance Rank	Dominance Importance	Weak dominance Rank	Weak dominance Importance
Yale	35	.00005548960691	40	.00000002975457	38	.00000000485927
USC	44	.00001147334161	41	.00000001844597	41	.00000000087408
Carnegie_Mellon	39	.00002575359042	42	.00000001214751	42	.00000000071769
Bloomington	41	.00002432094036	43	.00000000757464	43	.00000000025503
AZ_Tempe	43	.00001215705911	44	.00000000205408	45	.00000000011672
CO_Boulder	48	.00000409328589	45	.00000000199584	44	.00000000023663
UCSB	47	.00000441656245	46	.00000000054768	47	.00000000002970
CT_Storrs	52	.00000276296798	47	.00000000050231	49	.00000000001927
Notre_Dame	51	.00000293431483	48	.00000000033249	50	.00000000001736
Delaware	56	.00000141916083	49	.00000000026219	48	.00000000002796
Utah	49	.00000407866702	50	.00000000021665	51	.00000000001078
Boston	53	.00000206836709	51	.00000000021209	46	.00000000003786
Georgia	59	.00000098040799	52	.00000000018623	53	.00000000000504
Arizona	55	.00000188281069	53	.00000000007676	55	.00000000000267
IL_Chicago	45	.00000702254361	54	.00000000007541	56	.00000000000142
Vanderbilt	50	.00000336403470	55	.00000000005986	54	.00000000000458
Rice	58	.00000110060135	56	.00000000005118	52	.00000000000991
Virginia_Tech	60	.00000088987482	57	.00000000002539	58	.00000000000090
MA_Amherst	57	.00000110448145	58	.00000000001967	59	.00000000000087
Oregon	54	.00000192923027	59	.00000000001104	60	.00000000000054
TN_Knoxville	65	.00000029017472	60	.00000000000940	61	.00000000000033
TX_Anderson	71	.00000010201728	61	.00000000000668	57	.00000000000100
Virginia	46	.00000478914450	62	.00000000000359	62	.00000000000015
Rensselaer	69	.00000014815915	63	.00000000000251	63	.00000000000011
Santa_Cruz	63	.00000037990810	64	.00000000000246	64	.00000000000010
Florida_State	61	.00000052913983	65	.00000000000180	65	.00000000000007
UC_Riverside	64	.00000031324346	66	.00000000000138	69	.00000000000001
WU_St_Louis	72	.00000004267791	67	.00000000000092	66	.00000000000003
Stony_Brook	62	.00000039967461	68	.00000000000087	67	.00000000000002
Lincoln	66	.00000024142439	69	.00000000000029	71	.00000000000000
Albuquerque	68	.00000019121493	70	.00000000000025	70	.00000000000001
Miami	73	.00000003175825	71	.00000000000015	68	.00000000000001
Emory	67	.00000019676923	72	.00000000000003	74	.00000000000000
UCSF	85	.00000000335562	73	.00000000000003	72	.00000000000000
CO_State	82	.00000000592376	74	.00000000000002	73	.00000000000000
George_Washington	70	.00000014613484	75	.00000000000002	75	.00000000000000
Cincinnati	78	.00000000826855	76	.00000000000001	76	.00000000000000
CWRU	77	.00000001002752	77	.00000000000000	77	.00000000000000
Rochester	75	.00000001502080	78	.00000000000000	78	.00000000000000

When all publications are considered ($\phi = 1$)

When direct 3-years citations are used to account for publications impact

Institution	Strong dominance Rank	Strong dominance Importance	Dominance Rank	Dominance Importance	Weak dominance Rank	Weak dominance Importance
Dartmouth_Coll	79	.00000000672021	79	.00000000000000	79	.00000000000000
Tufts	83	.00000000488959	80	.00000000000000	83	.00000000000000
Birmingham	76	.00000001062096	81	.00000000000000	81	.00000000000000
UMDNJ	94	.00000000063290	82	.00000000000000	80	.00000000000000
Polytech_Brooklyn	89	.00000000129534	83	.00000000000000	82	.00000000000000
So_Methodist	84	.00000000431810	84	.00000000000000	85	.00000000000000
SUNY_Albany	74	.00000002288172	85	.00000000000000	89	.00000000000000
George_Mason	81	.00000000604829	86	.00000000000000	90	.00000000000000
CO_Health	88	.00000000142208	87	.00000000000000	87	.00000000000000
WI_Med_Coll	93	.00000000085853	88	.00000000000000	86	.00000000000000
Rockefeller	92	.00000000098642	89	.00000000000000	84	.00000000000000
CUNY	86	.00000000240971	90	.00000000000000	88	.00000000000000
Brandeis	79	.00000000672021	91	.00000000000000	93	.00000000000000
Texas_SW_Med_Center	102	.00000000007889	92	.00000000000000	91	.00000000000000
Boston_Coll	95	.00000000057228	93	.00000000000000	94	.00000000000000
Baylor_Coll_Med	100	.00000000025881	94	.00000000000000	92	.00000000000000
Oregon_State	87	.00000000217499	95	.00000000000000	96	.00000000000000
MD_Baltimore	90	.00000000112357	96	.00000000000000	95	.00000000000000
Yeshiva	91	.00000000106091	97	.00000000000000	99	.00000000000000
Virginia_Comm	96	.00000000054459	98	.00000000000000	97	.00000000000000
Mayo_Coll_Med	103	.00000000005480	99	.00000000000000	98	.00000000000000
Manoa	97	.00000000053044	100	.00000000000000	100	.00000000000000
Wake_Forest	99	.00000000026383	101	.00000000000000	103	.00000000000000
Health_Houston	98	.00000000035209	102	.00000000000000	101	.00000000000000
TN_Health	106	.00000000001481	103	.00000000000000	102	.00000000000000
Rutgers_Newark	101	.00000000024804	104	.00000000000000	106	.00000000000000
Mt_Sinai	104	.00000000003406	105	.00000000000000	104	.00000000000000
OR_Health_Sci	107	.00000000001451	106	.00000000000000	107	.00000000000000
CT_Health	108	.00000000000750	107	.00000000000000	105	.00000000000000
MA_Boston	105	.00000000002178	108	.00000000000000	110	.00000000000000
SUNY_Health_Brooklyn	112	.00000000000337	109	.00000000000000	108	.00000000000000
TX_Health_SA	109	.00000000000589	109	.00000000000000	108	.00000000000000
MA_Med_Sch	111	.00000000000381	111	.00000000000000	112	.00000000000000
NE_Med	110	.00000000000543	111	.00000000000000	111	.00000000000000