

⌘ Planning Group Meeting ⌘
Women and the Undergraduate Economics Major
NBER, 1050 Massachusetts Ave. Cambridge MA
Saturday, November 15, 2014

Background Facts: Summary of Tables and Figures

Figures 1, 2, and 3.

- The data are for 2013. The computation of the fraction of BAs who are economics majors and the conversion ratio is done in two ways. The first is the mean of the separate institution figures. The second is the population mean of all students in institutions with economics majors. The first is preferred in thinking about separate institutions but the second provides the aggregate national average (by type of institution).
- Note that the ratios derived from the mean of the population are, in general, lower than the ratios derived from the means of the separate institutions. This is particularly true for the private institutions in the top 100.
- Conversion ratios are almost always higher for the average of the separate ratios than for the national population average.
- In 2013 the average of all the ratios is around 4 whereas the average in the population is just below 3. Clearly there are lots of institutions with very high ratios.

Table 1:

- 326 institutions have ≥ 15 economics majors per year, on average from 2011-13.
- 278 have ≥ 20 economics majors per year, on average from 2011-13.
- Presence of a business major siphons off women from economics. Conversion ratios ($= [\text{Male Econs}/\text{Male BAs}]/[\text{Female Econs}/\text{Female BAs}]$) are higher in the samples with a business major.
- Fraction of all BA women majoring in economics is higher at all women's institutions than at all top Liberal Arts Colleges.
- Note that conversion ratios show fewer women (aggregate means) than unweighted (means by institution). See summary statistics for Figures 1, 2, and 3 for the unweighted means.

Table 2:

- Business majors tend to have more women relative to economics majors, except possibly in Finance.

- Women go disproportionately into Human Resources, Accounting, International Business, and Marketing.

Table 3:

- “Top 100” universities have a conversion ratio of about 3 to 1.
- Engineering schools have a much higher fraction of economics majors who are women probably because economics is viewed as less mathematical and abstract in an engineering school.

Table 4:

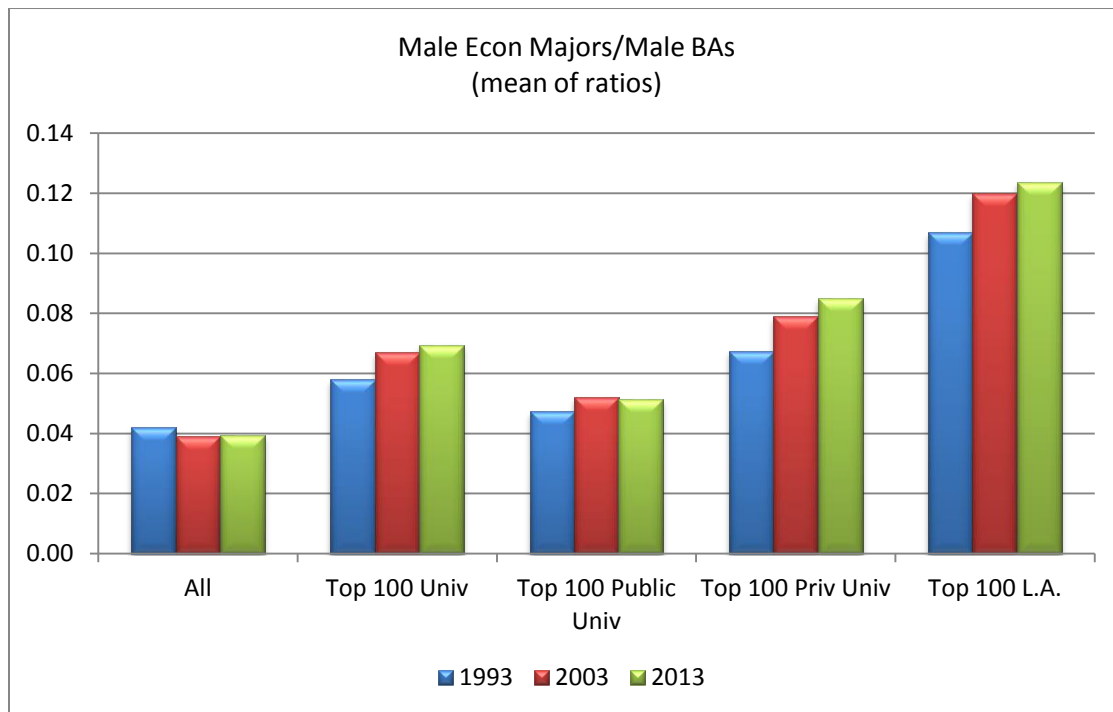
- “Top 100” liberal arts colleges have a higher conversion ratio than the “top 100” universities. It is unclear, at this point, why this is the case and to what majors women gravitate in these elite liberal arts colleges.
- We are exploring why places like Swarthmore, Lafayette, Macalester, and Knox are lower, that is why they attract relatively more women to their economics majors.
- The number of economics majors at these schools is fairly low, although some attract a substantial group of the male students (e.g., Claremont McKenna, Occidental, Colorado College, Trinity College, Centre College, Bowdoin, Colby, Holy Cross, Williams, Hamilton, Union, Lafayette, Ursinus).
- Among the women’s colleges in the “top 100” group Wellesley stands out as having a substantial fraction of its undergraduates as economics majors. But as good as it is, it is lower than the fraction of males majoring in economics in many of the leading coeducational liberal arts colleges.

Table 5:

- How can we recruit the institutions in Table 5, that is those with extremely large undergraduate programs, to join the “Challenge”? Are their undergraduate offices already overburdened? If so, what can we do about helping them?
- Note that many of these institutions have extremely large business programs. Should we think about whether having a female undergraduate major in business at most of these institutions is equal to or even better than having one major in economics? What is gained by taking the marginal woman from business and moving her to economics?

Figure 1: Male Economics Majors as a Fraction of BAs: 1993, 2003, and 2013

Part A: Mean of the Separate Institution Ratios



Part B: Mean of the Population Sums

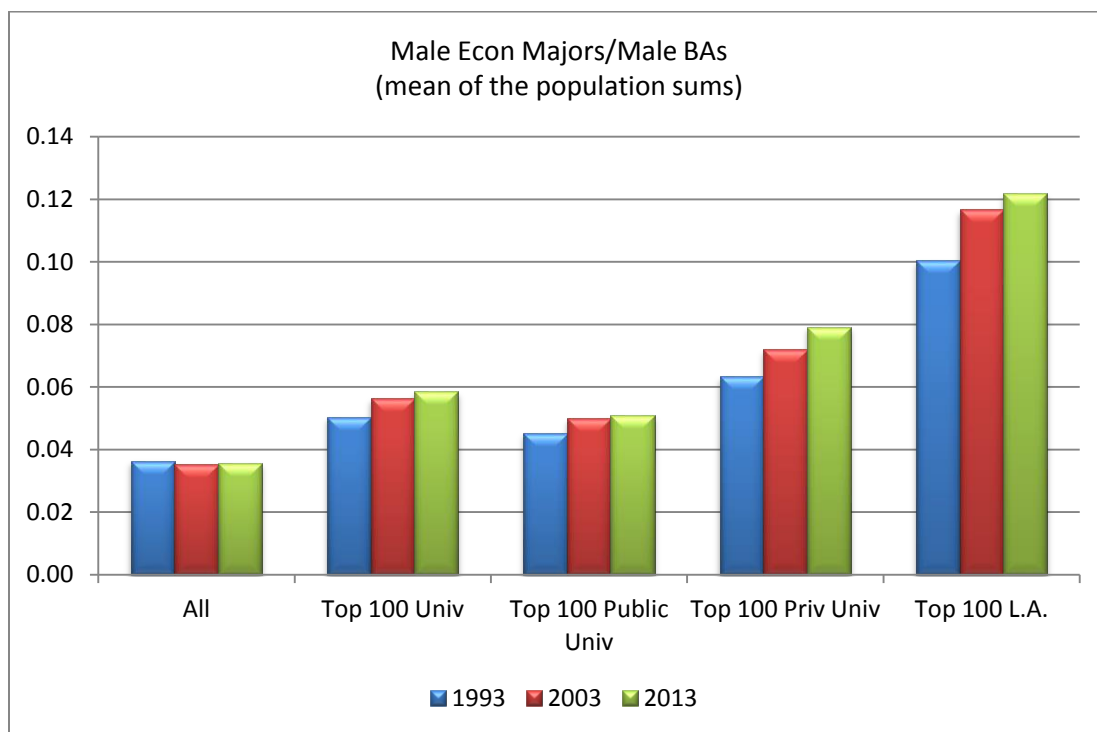
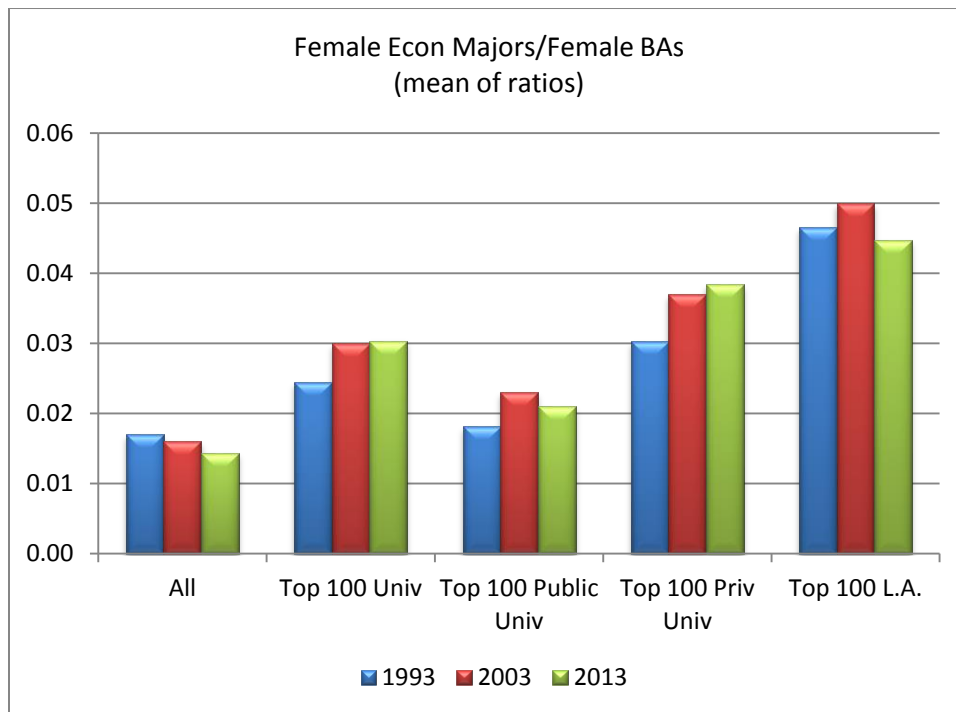


Figure 2: Female Economics Majors as a Fraction of BAs: 1993, 2003, and 2013

Part A: Mean of the Separate Institution Ratios



Part B: Mean of the Population Sums

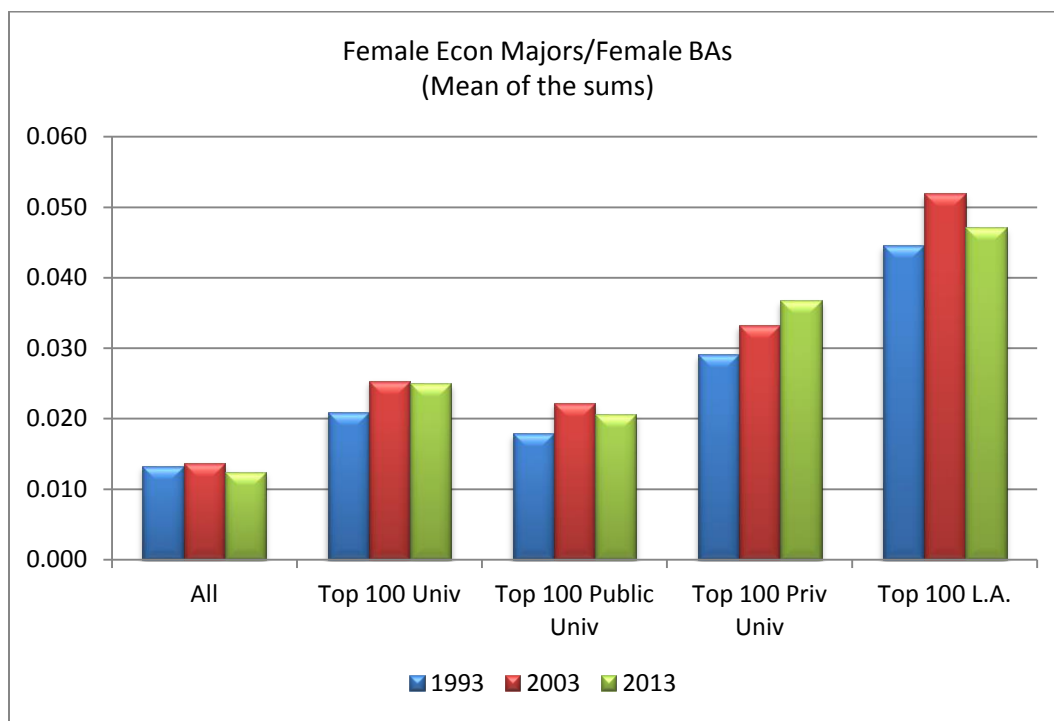
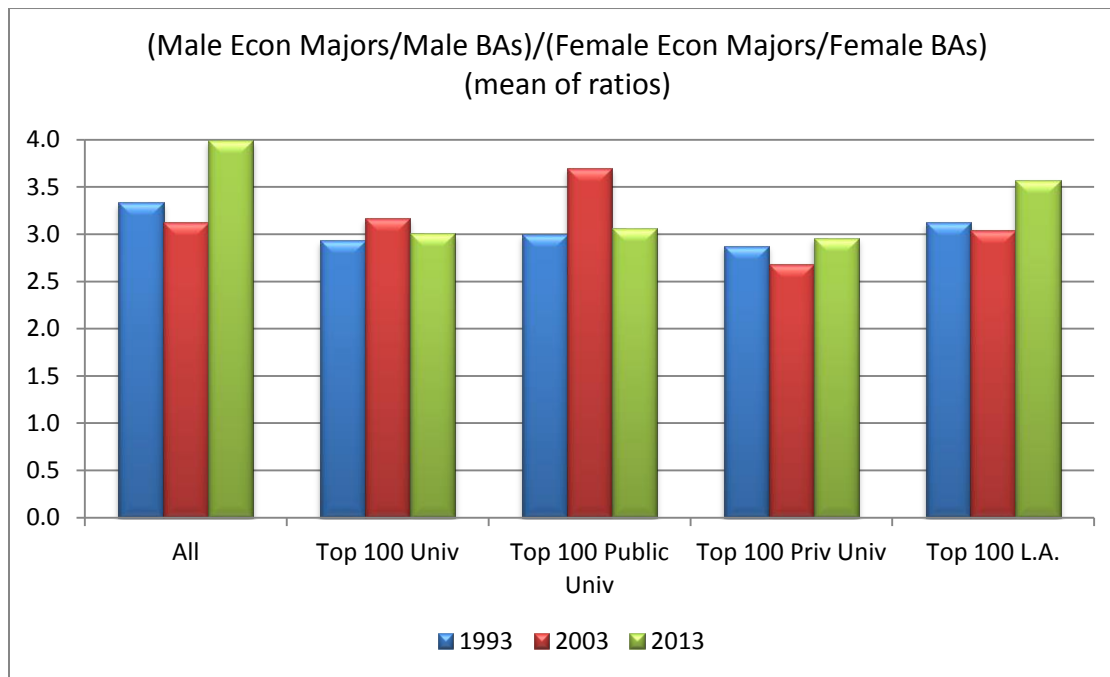
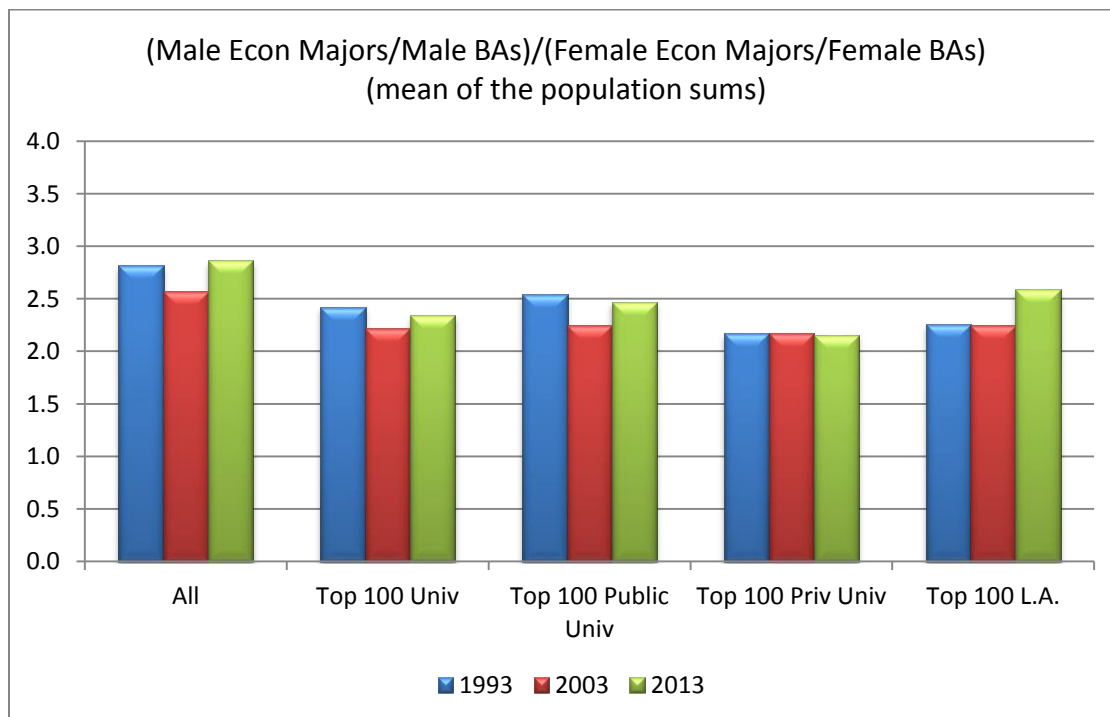


Figure 3: Conversion Rates by Type of Institution: 1993, 2003, and 2013

Part A: Mean of the Separate Institution Ratios



Part B: Average of the Population Sums



Sources: IPEDS, 2013.

Notes: Institutions included are those that have an economics major and gave at least one BA in economics in 2013. “All” is all coeducational institutions with an economics major; “top 100” universities is given by the *US News and World Report* list combined for 2011 and 2013; top 100 public or private is the public or private group within the “top 100”; “top 100 L.A.” is the top 100 *US News and World Report* list combined for 2011 and 2013 for liberal arts colleges.

Table 1: Summary Facts about Institutions with an Economics BA Program (2011-2013)

Institutions with an Economics BA Program	Number of Institutions	Median Number of Male BAs at School	Median Number of Female BAs at School	Fraction Economics Majors of BAs	Fraction Males of Economics Majors	Fraction Females of Economics Majors	M/F Conversion Rate for Economics BAs
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
All (coeducational)	696	412	574	0.023	0.037	0.012	4.035
With ≥ 15 BA majors	326	815	1011	0.030	0.046	0.016	3.939
With ≥ 20 BA majors	278	825	1094	0.032	0.050	0.018	3.869
Public institutions	148	1801	2094	0.026	0.041	0.013	4.056
Private institutions	130	331	419	0.060	0.089	0.035	3.097
With business major and ≥ 5 econ BA majors	455	676	897	0.023	0.035	0.012	4.121
“Top 100” universities	95	1419	1516	0.040	0.058	0.024	3.100
“Top 100” L.A. colleges	85	202	243	0.081	0.123	0.042	3.591
Women’s colleges	22	n.a.	278	0.050	n.a.	0.050	n.a.

Sources: IPEDS 2011, 2012, 2013

Notes: Number of institutions is the average of 2011, 2012 and 2013. This table is a summary of the information in Tables 3 and 4. A three year average was chosen because many institutions have few majors in any one year. “Top 100” universities and “top 100” Liberal Arts colleges are given by the *US News and World Report* list combined for 2011 and 2013. Conversion ratio is (Male Econs/Male BAs)/(Female Econs/Female BAs) and is the average of the conversion ratio computed for each of the three years. n.a. = not available or not relevant. Fractions of each group majoring in economics and the conversion ratio are weighted averages, that is the figures are those of the aggregate.

Table 2: Summary Facts about Institutions with an Undergraduate Business Major and ≥ 5 Economics BAs (2011 to 2013)

Coeducational Institutions with a Business Major and ≥ 5 Economics BAs	Number of Institutions Offering Program	Median # of Male BAs at School	Median # of Female BAs at School	Business Majors as Fraction of BAs	Fraction Males of Business Majors	Fraction Females of Business Majors	M/F Conversion Rate for Business Major BAs
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
All (coeducational)	455	676	897	0.179	0.226	0.144	1.728
General business	102	774	994	0.042	0.055	0.032	1.913
Management	407	772	944	0.077	0.104	0.056	2.294
Accounting	337	694	929	0.038	0.045	0.033	1.518
Finance	246	926	1108	0.037	0.058	0.020	3.355
Human Resources	107	917	1115	0.013	0.012	0.014	0.917
International Business	140	785	942	0.011	0.013	0.010	1.379
Marketing	245	917	1088	0.035	0.036	0.035	1.143
Miscellaneous	163	1182	1492	0.023	0.022	0.025	1.730
“Top 100” institutions	80	1803	2096	0.143	0.176	0.114	1.604
“Top 100” L.A. colleges	33	195	221	0.134	0.170	0.099	2.201

Sources: IPEDS 2011, 2012, 2013

Notes: Variables are computed for subfields when BAs are listed in those areas. Fraction of each group majoring in business and the conversion ratios are weighted averages using the number of BAs (by sex) as the weight. See also notes to Table 1.

Table 3: Statistics on the “Top 100” Universities (alphabetized by state), 2011-2013

Institution Name	State	Public = 1	M Econ/ M BA	F Econ/ F BA	Conversion Ratio	Fraction Business BAs	Annual # Econ BAs
Auburn Univ	AL	1	0.012	0.003	3.938	0.205	33
Cal Tech	CA	0	0.004	0.007	n.a.	0.007	1
Stanford Univ	CA	0	0.080	0.043	1.929	n.a.	104
Univ of CA-Berkeley	CA	1	0.074	0.047	1.564	0.046	452
Univ of CA-Davis	CA	1	0.094	0.035	2.733	0.043	411
Univ of CA-Irvine	CA	1	0.064	0.027	2.401	0.098	273
Univ of CA-Los Angeles	CA	1	0.076	0.065	1.162	0.028	521
Univ of CA-San Diego	CA	1	0.104	0.059	1.780	0.046	514
Univ of CA-Santa Barbara	CA	1	0.059	0.023	2.651	0.080	209
Univ of CA-Santa Cruz	CA	1	0.043	0.019	2.407	0.082	121
Pepperdine Univ	CA	0	0.090	0.014	6.484	0.298	44
Univ of San Diego	CA	0	0.029	0.010	3.233	0.412	23
Univ of Southern CA	CA	0	0.051	0.025	2.061	0.255	179
Univ of CO Boulder	CO	1	0.065	0.016	4.049	0.126	235
CO School of Mines	CO	1	0.014	0.029	0.587	n.a.	13
Univ of Denver	CO	0	0.009	0.008	1.171	0.428	10
Univ of Connecticut	CT	1	0.077	0.015	5.172	0.124	222
Yale Univ	CT	0	0.154	0.072	2.210	n.a.	145
Univ of Delaware	DE	1	0.038	0.008	5.015	0.187	74
American Univ	DC	0	0.041	0.022	1.894	0.166	48
George Washington Univ	DC	0	0.062	0.021	3.041	0.162	90
Georgetown Univ	DC	0	0.082	0.039	2.071	0.179	106
Florida State Univ	FL	1	0.041	0.007	5.998	0.202	174
Univ of Florida	FL	1	0.028	0.012	2.404	0.118	160
Univ of Miami	FL	0	0.038	0.013	2.968	0.178	60
Emory Univ	GA	0	0.139	0.061	2.313	0.177	162
Univ of Georgia	GA	1	0.016	0.004	4.129	0.212	63
Univ of Chicago	IL	0	0.244	0.129	1.899	n.a.	236
Univ of IL Urbana-Champ	IL	1	0.048	0.018	2.752	0.126	256
Northwestern Univ	IL	0	0.161	0.073	2.242	0.009	249
IN Univ-Bloomington	IN	1	0.046	0.009	5.347	0.195	198
Purdue Univ	IN	1	0.019	0.009	2.165	0.162	105
Univ of Notre Dame	IN	0	0.042	0.020	2.178	0.275	67
Iowa State Univ	IA	1	0.007	0.003	2.378	0.175	25
Univ of Iowa	IA	1	0.044	0.012	3.729	0.180	121
Tulane Univ	LA	0	0.031	0.017	1.923	0.218	36

Johns Hopkins Univ	MD	0	0.071	0.014	5.574	0.022	65
Univ of MD-College Park	MD	1	0.078	0.029	2.683	0.142	381
Boston College	MA	0	0.125	0.054	2.323	0.208	208
Boston Univ	MA	0	0.067	0.026	2.561	0.196	173
Brandeis Univ	MA	0	0.188	0.078	2.479	0.024	102
Clark Univ	MA	0	0.074	0.033	2.455	0.065	25
Harvard Univ	MA	0	0.154	0.086	1.804	n.a.	214
Univ of MA Amherst	MA	1	0.046	0.010	4.633	0.161	144
MIT	MA	0	0.035	0.034	1.000	0.042	37
Northeastern Univ	MA	0	0.031	0.017	1.776	0.260	90
Tufts Univ	MA	0	0.114	0.047	2.459	n.a.	110
Worcester Poly	MA	0	0.000	0.002	n.a.	0.053	0
Univ of MI-Ann Arbor	MI	1	0.071	0.031	2.294	0.062	337
Michigan State Univ	MI	1	0.038	0.007	5.323	0.177	170
Univ of MN-Twin Cities	MN	1	0.058	0.027	2.201	0.088	307
Univ of MO-Columbia	MO	1	0.014	0.003	4.521	0.170	44
Washington Univ	MO	0	0.073	0.036	2.044	0.106	87
Univ of NE-Lincoln	NE	1	0.006	0.001	n.a.	0.212	13
Dartmouth College	NH	0	0.208	0.082	2.540	n.a.	156
Univ of NH	NH	1	0.016	0.005	3.548	0.156	26
Princeton Univ	NJ	0	0.133	0.075	1.835	n.a.	131
Rutgers Univ-New Brunswick	NJ	1	0.082	0.025	3.274	0.094	358
Columbia Univ	NY	0	0.154	0.085	1.819	0.000	236
Cornell Univ	NY	0	0.068	0.039	1.767	0.139	192
Fordham Univ	NY	0	0.068	0.038	1.830	0.293	99
New York Univ	NY	0	0.094	0.050	1.903	0.132	348
RPI	NY	0	0.002	0.001	n.a.	0.072	2
Univ of Rochester	NY	0	0.131	0.052	2.611	0.009	130
SUNY Binghamton	NY	1	0.101	0.042	2.473	0.131	214
Stony Brook Univ	NY	1	0.048	0.017	2.990	0.094	118
Syracuse Univ	NY	0	0.043	0.014	3.352	0.163	81
Yeshiva Univ	NY	0	0.086	0.011	10.114	0.259	29
Duke Univ	NC	0	0.129	0.068	1.904	n.a.	165
Univ of NC Chapel Hill	NC	1	0.100	0.025	4.177	0.086	252
Wake Forest Univ	NC	0	0.115	0.038	3.135	0.225	81
Case Western Reserve Univ	OH	0	0.043	0.019	2.717	0.096	30
Miami Univ-Oxford	OH	1	0.018	0.005	3.900	0.242	41
Ohio State Univ	OH	1	0.035	0.010	3.653	0.170	226
Univ of Tulsa	OK	0	0.027	0.009	4.862	0.195	12
Carnegie Mellon Univ	PA	0	0.042	0.039	1.145	0.066	55

Drexel Univ	PA	0	0.013	0.007	2.625	0.209	28
Pennsylvania State Univ	PA	1	0.037	0.014	2.605	0.155	287
Univ of Pennsylvania	PA	0	0.069	0.040	1.726	0.217	155
Univ of Pittsburgh	PA	1	0.048	0.015	3.217	0.137	131
Brown Univ	RI	0	0.124	0.075	1.661	0.043	154
Clemson Univ	SC	1	0.032	0.012	2.788	0.193	78
Vanderbilt Univ	TN	0	0.183	0.059	3.221	n.a.	199
Rice Univ	TX	0	0.113	0.082	1.403	0.000	86
Southern Methodist Univ	TX	0	0.163	0.037	4.493	0.251	156
Texas A & M Univ	TX	1	0.030	0.009	3.445	0.171	178
Univ of Texas Austin	TX	1	0.064	0.019	3.424	0.120	361
Texas Christian Univ	TX	0	0.059	0.010	7.974	0.216	50
Brigham Young Univ	UT	0	0.043	0.007	6.620	0.125	172
Univ of Vermont	VT	1	0.042	0.021	2.018	0.092	74
College of William & Mary	VA	1	0.078	0.032	2.465	0.140	78
VPI	VA	1	0.022	0.010	2.298	0.192	94
Univ of VA	VA	1	0.077	0.040	1.900	0.091	208
Univ of WA-Seattle	WA	1	0.051	0.029	1.812	0.097	301
Marquette Univ	WI	0	0.014	0.003	5.337	0.207	14
Univ of WI-Madison	WI	1	0.087	0.024	3.638	0.104	352
MEANS (unweighted)		0.469	0.068	0.029	3.004 ^a	0.146 ^a	150

^a Computed without zeros.

Sources: IPEDS, 2011-2013.

Notes: Averages for 2011-2013 are given. “Top 100” universities is given by the *US News and World Report* list combined for 2011 and 2013. Conversion ratio is (Male Econs/Male BAs)/(Female Econs/Female BAs) and is the average of the conversion ratio computed for each of the three years. n.a. = insufficient number of women to compute a conversion ratio or no business major.

Table 4: Statistics on the Top 100 Liberal Arts Colleges (alphabetized by state, coeducational and all women's), 2011-2013

Institution Name Coeducational	State	Public = 1	M Econ/ M BA	F Econ/ F BA	Conversion Ratio	Fraction Business BAs	Annual # Econ BAs
Hendrix College	AR	0	0.111	0.027	4.412	0.023	19
Claremont McKenna College	CA	0	0.311	0.124	2.508	0.092	67
Harvey Mudd College	CA	0	0.000	0.000	n.a.	n.a.	0
Occidental College	CA	0	0.207	0.068	3.442	n.a.	61
Pitzer College	CA	0	0.076	0.019	4.409	0.045	11
Pomona College	CA	0	0.154	0.053	3.488	n.a.	39
Colorado College	CO	0	0.209	0.101	2.105	n.a.	81
US Air Force Academy	CO	1	0.062	0.023	2.710	0.105	57
Connecticut College	CT	0	0.173	0.067	2.631	n.a.	47
Trinity College	CT	0	0.269	0.092	3.002	n.a.	98
Wesleyan University	CT	0	0.115	0.029	4.063	n.a.	52
Augustana College	IL	0	0.014	0.002	n.a.	0.199	4
Illinois Wesleyan Univ	IL	0	0.039	0.019	2.000	0.230	13
Knox College	IL	0	0.116	0.054	2.152	n.a.	25
Wheaton College	IL	0	0.041	0.006	6.513	0.080	14
DePauw Univ	IN	0	0.163	0.075	2.154	n.a.	61
Earlham College	IN	0	0.049	0.017	3.976	0.052	7
Cornell College	IA	0	0.114	0.050	2.380	0.000	21
Grinnell College	IA	0	0.131	0.048	2.810	n.a.	32
Luther College	IA	0	0.024	0.005	4.990	0.117	7
Berea College	KY	0	0.003	0.008	n.a.	0.088	2
Centre College	KY	0	0.257	0.065	4.023	n.a.	43
Transylvania Univ	KY	0	0.035	0.007	n.a.	0.181	4
Bates College	ME	0	0.144	0.044	3.291	n.a.	40
Bowdoin College	ME	0	0.222	0.055	4.051	n.a.	62
Colby College	ME	0	0.200	0.054	3.788	n.a.	58
St Mary's College of MD	MD	1	0.138	0.056	2.484	n.a.	39
US Naval Academy	MD	1	0.129	0.064	2.043	n.a.	122
Washington College	MD	0	0.134	0.037	4.498	0.171	23
Amherst College	MA	0	0.199	0.069	3.069	n.a.	68
College of the Holy Cross	MA	0	0.242	0.095	2.568	n.a.	112
Wheaton College	MA	0	0.187	0.043	4.425	n.a.	36
Williams College	MA	0	0.202	0.068	3.112	n.a.	69
Albion College	MI	0	0.172	0.043	4.127	0.073	38
Hope College	MI	0	0.011	0.004	n.a.	0.121	5

Kalamazoo College	MI	0	0.153	0.033	4.826	0.063	26
Carleton College	MN	0	0.119	0.038	4.128	n.a.	38
Gustavus Adolphus College	MN	0	0.067	0.015	4.646	0.117	23
Macalester College	MN	0	0.125	0.058	2.149	n.a.	41
St. Olaf College	MN	0	0.148	0.041	3.695	n.a.	64
Millsaps College	MS	0	0.026	0.009	3.002	0.229	4
Drew Univ	NJ	0	0.141	0.037	4.636	0.043	26
Colgate Univ	NY	0	0.176	0.058	3.055	n.a.	80
Hamilton College	NY	0	0.232	0.056	4.403	n.a.	65
Hobart William Smith Colleges	NY	0	0.172	0.049	4.009	n.a.	49
St Lawrence Univ	NY	0	0.160	0.038	4.540	n.a.	50
Skidmore College	NY	0	0.061	0.018	3.360	0.121	22
Union College	NY	0	0.195	0.045	4.662	n.a.	62
US Military Academy	NY	1	0.064	0.020	5.834	0.060	60
Vassar College	NY	0	0.099	0.047	2.241	n.a.	43
Davidson College	NC	0	0.117	0.042	3.225	n.a.	36
Denison Univ	OH	0	0.238	0.079	3.082	n.a.	75
Kenyon College	OH	0	0.147	0.037	4.454	n.a.	36
Oberlin College	OH	0	0.056	0.015	3.961	n.a.	24
Ohio Wesleyan Univ	OH	0	0.064	0.021	3.498	0.132	15
College of Wooster	OH	0	0.084	0.020	4.796	n.a.	20
Lewis & Clark College	OR	0	0.079	0.027	3.060	n.a.	20
Reed College	OR	0	0.075	0.024	3.259	n.a.	15
Willamette Univ	OR	0	0.166	0.026	6.372	n.a.	37
Allegheny College	PA	0	0.188	0.051	3.880	n.a.	53
Bucknell Univ	PA	0	0.145	0.065	2.365	0.141	88
Dickinson College	PA	0	0.114	0.041	2.785	0.093	41
Franklin & Marshall College	PA	0	0.093	0.019	7.360	0.123	30
Gettysburg College	PA	0	0.120	0.023	6.656	0.121	42
Haverford College	PA	0	0.138	0.028	7.620	n.a.	23
Lafayette College	PA	0	0.201	0.137	1.474	n.a.	100
Muhlenberg College	PA	0	0.031	0.007	6.494	0.243	10
Swarthmore College	PA	0	0.167	0.084	2.023	n.a.	47
Ursinus College	PA	0	0.218	0.064	3.389	0.019	58
Washington & Jefferson Coll	PA	0	0.086	0.025	4.282	0.231	19
Furman Univ	SC	0	0.051	0.023	2.210	0.133	22
Wofford College	SC	0	0.049	0.011	n.a.	0.239	11
Rhodes College	TN	0	0.092	0.062	1.654	0.122	28
Sewanee: Univ of the South	TN	0	0.154	0.063	2.454	n.a.	35
Austin College	TX	0	0.079	0.028	3.392	0.142	15

Southwestern Univ	TX	0	0.058	0.012	5.216	0.120	9
Middlebury College	VT	0	0.174	0.069	2.552	n.a.	82
Saint Michaels College	VT	0	0.027	0.011	3.755	0.234	8
University of Richmond	VA	0	0.058	0.026	2.377	0.360	34
VMI	VA	1	0.169	0.048	n.a.	n.a.	52
Washington & Lee Univ	VA	0	0.122	0.068	1.793	0.222	41
Univ of Puget Sound	WA	0	0.058	0.017	3.424	0.111	22
Whitman College	WA	0	0.110	0.052	2.423	n.a.	29
Beloit College	WI	0	0.127	0.041	3.107	0.017	24
Lawrence Univ	WI	0	0.094	0.029	3.286	n.a.	20
MEANS (unweighted)		0.059	0.124	0.042	3.617 ^a	0.128 ^a	39

Institution Name Women's Colleges	State	Public = 1	M Econ/ M BA	F Econ/ F BA	Conversion Ratio	Fraction Business BAs	Annual # Econ BAs
Scripps College	CA	0	n.a.	0.056	n.a.	0.006	12
Agnes Scott College	GA	0	n.a.	0.070	n.a.	n.a.	12
Spelman College	GA	0	n.a.	0.080	n.a.	n.a.	36
Saint Mary's College	IN	0	n.a.	0.009	n.a.	0.113	4
Mount Holyoke College	MA	0	n.a.	0.069	n.a.	n.a.	40
Smith College	MA	0	n.a.	0.080	n.a.	n.a.	54
Wellesley College	MA	0	n.a.	0.132	n.a.	n.a.	78
College of St. Benedict	MN	0	n.a.	0.011	n.a.	0.113	5
Barnard College	NY	0	n.a.	0.085	n.a.	n.a.	51
Bryn Mawr College	PA	0	n.a.	0.033	n.a.	n.a.	10
MEANS (unweighted)		0	n.a.	0.0625	n.a.	n.a.	30

^a Computed without zeros.

Sources: IPEDS, 2011-2013.

Notes: Averages for 2011-2013 are given. "Top 100" liberal arts colleges is given by the *US News and World Report* list combined for 2011 and 2013. Conversion ratio is (Male Econs/Male BAs)/(Female Econs/Female BAs) and is the average of the conversion ratio computed for each of the three years. n.a. = insufficient number of women to compute a conversion ratio or no business major.

Table 5: Statistics on 100 Largest Institutions by Total Economics BAs, 2011-2013

Institution Name	State	Public = 1	M Econ/ M BA	F Econ/ F BA	Conversion Ratio	Annual # Econ BAs	Annual # Bus BAs
Univ of CA-Los Angeles	CA	1	0.0762	0.0654	1.1616	521	209
Univ of CA-San Diego	CA	1	0.1041	0.0588	1.7801	514	296
Univ of CA-Berkeley	CA	1	0.0736	0.0471	1.5639	452	351
Univ of CA-Davis	CA	1	0.0943	0.0349	2.7326	411	293
Univ of MD-College Park	MD	1	0.0776	0.0295	2.6831	381	1002
Univ of TX Austin	TX	1	0.0641	0.0189	3.4242	361	1083
Rutgers Univ-New Brunswick	NJ	1	0.0824	0.0255	3.2735	358	632
Univ of WI-Madison	WI	1	0.0873	0.0240	3.6376	352	686
New York Univ	NY	0	0.0942	0.0498	1.9029	348	691
Univ of Michigan-Ann Arbor	MI	1	0.0715	0.0312	2.2942	337	409
Univ of MN-Twin Cities	MN	1	0.0580	0.0268	2.2010	307	649
UT State Univ	UT	1	0.1176	0.0656	1.8103	304	544
Univ of WA-Seattle	WA	1	0.0513	0.0287	1.8120	301	752
PA State Univ-Main	PA	1	0.0368	0.0143	2.6047	287	1703
Univ of CA-Irvine	CA	1	0.0641	0.0265	2.4009	273	609
Univ of IL Urbana-Champ	IL	1	0.0479	0.0182	2.7519	256	952
Univ of NC Chapel Hill	NC	1	0.1003	0.0249	4.1766	252	395
Northwestern Univ	IL	0	0.1608	0.0725	2.2424	249	20
Univ of UT	UT	1	0.0703	0.0230	3.0969	239	644
Univ of Chicago	IL	0	0.2436	0.1288	1.8991	236	n.a.
Columbia Univ	NY	0	0.1536	0.0846	1.8193	236	0
Univ of CO Boulder	CO	1	0.0650	0.0161	4.0492	235	726
CUNY Queens College	NY	1	0.1243	0.0462	2.7024	232	572
OH State Univ-Main	OH	1	0.0346	0.0095	3.6529	226	1730
Univ of CT	CT	1	0.0771	0.0149	5.1723	222	621
Harvard Univ	MA	0	0.1544	0.0860	1.8043	214	n.a.
SUNY Binghamton	NY	1	0.1010	0.0416	2.4728	214	396
Univ of CA-Santa Barbara	CA	1	0.0590	0.0232	2.6513	209	420
Boston College	MA	0	0.1246	0.0538	2.3235	208	492
Univ of VA-Main	VA	1	0.0768	0.0405	1.9002	208	338
Univ of OR	OR	1	0.0826	0.0146	5.6651	200	608
Vanderbilt Univ	TN	0	0.1833	0.0588	3.2208	199	n.a.
IN Univ-Bloomington	IN	1	0.0462	0.0087	5.3474	198	1415
San Diego State Univ	CA	1	0.0533	0.0161	3.3186	195	1353
Cornell Univ	NY	0	0.0682	0.0388	1.7669	192	497
AZ State Univ Tempe	AZ	1	0.0274	0.0073	4.1245	190	1967
Univ of Southern CA	CA	0	0.0512	0.0249	2.0605	179	1208

TX A & M Univ	TX	1	0.0304	0.0089	3.4449	178	1558
FL State Univ	FL	1	0.0412	0.0071	5.9983	174	1596
Boston Univ	MA	0	0.0666	0.0263	2.5610	173	803
SUNY Albany	NY	1	0.0875	0.0263	3.5047	173	388
Brigham Young Univ	UT	0	0.0433	0.0066	6.6196	172	865
MI State Univ	MI	1	0.0377	0.0074	5.3232	170	1421
Duke Univ	NC	0	0.1292	0.0685	1.9038	165	n.a.
Emory Univ	GA	0	0.1390	0.0614	2.3128	162	303
Univ of FL	FL	1	0.0280	0.0117	2.4040	160	1004
Dartmouth College	NH	0	0.2085	0.0819	2.5398	156	n.a.
SMU	TX	0	0.1628	0.0372	4.4928	156	415
Univ of PA	PA	0	0.0687	0.0399	1.7255	155	622
Brown Univ	RI	0	0.1239	0.0752	1.6614	154	67
George Mason Univ	VA	1	0.0503	0.0198	2.5434	154	925
Univ of CA-Riverside	CA	1	0.0518	0.0251	2.0712	150	688
Yale Univ	CT	0	0.1541	0.0721	2.2103	145	n.a.
Univ of MA Amherst	MA	1	0.0461	0.0101	4.6329	144	836
Univ of MD-Baltimore Cnty	MD	1	0.0947	0.0409	2.5334	142	9
Univ of AZ	AZ	1	0.0368	0.0099	3.7058	141	1028
Univ of Pittsburgh-Pitts	PA	1	0.0481	0.0150	3.2169	131	588
Princeton Univ	NJ	0	0.1335	0.0755	1.8347	131	n.a.
Univ of Rochester	NY	0	0.1308	0.0519	2.6106	130	14
Univ of Houston	TX	1	0.0385	0.0107	3.7753	127	1594
CO State Univ	CO	1	0.0459	0.0106	5.1952	123	662
US Naval Academy	MD	1	0.1290	0.0643	2.0426	122	n.a.
Univ of IA	IA	1	0.0444	0.0119	3.7291	121	805
Univ of CA-Santa Cruz	CA	1	0.0426	0.0187	2.4071	121	326
Stony Brook Univ	NY	1	0.0475	0.0167	2.9905	118	356
College of the Holy Cross	MA	0	0.2421	0.0953	2.5679	112	n.a.
Tufts Univ	MA	0	0.1138	0.0466	2.4586	110	n.a.
Univ of KS	KS	1	0.0452	0.0081	5.8163	108	564
Georgetown Univ	DC	0	0.0816	0.0391	2.0707	106	330
Purdue Univ-Main	IN	1	0.0194	0.0091	2.1650	105	1146
Stanford Univ	CA	0	0.0799	0.0433	1.9289	104	n.a.
GA State Univ	GA	1	0.0367	0.0151	2.4410	102	1217
Brandeis Univ	MA	0	0.1880	0.0783	2.4786	102	20
Western WA Univ	WA	1	0.0571	0.0126	4.5764	100	436
Lafayette College	PA	0	0.2013	0.1370	1.4739	100	n.a.
Fordham Univ	NY	0	0.0681	0.0384	1.8303	99	555
East Carolina Univ	NC	1	0.0463	0.0086	5.4050	98	738

Trinity College	CT	0	0.2691	0.0922	3.0015	98	n.a.
VPI	VA	1	0.0222	0.0096	2.2982	94	1099
Univ of CO Denver	CO	1	0.0578	0.0374	1.6184	93	342
George Washington Univ	DC	0	0.0624	0.0209	3.0413	90	373
Northeastern Univ	MA	0	0.0306	0.0175	1.7760	90	977
Univ of HI Manoa	HI	1	0.0468	0.0150	3.1508	89	628
CUNY Hunter College	NY	1	0.0647	0.0192	3.7071	89	150
Univ of South FL	FL	1	0.0222	0.0054	4.1735	88	1344
Bucknell Univ	PA	0	0.1449	0.0654	2.3654	88	120
Washington Univ	MO	0	0.0725	0.0360	2.0438	87	169
Rice Univ	TX	0	0.1130	0.0816	1.4026	86	0
WA State Univ	WA	1	0.0284	0.0057	5.1365	84	922
CA State Univ-Sacramento	CA	1	0.0302	0.0070	4.3403	83	1014
Middlebury College	VT	0	0.1744	0.0691	2.5516	82	n.a.
Syracuse Univ	NY	0	0.0431	0.0135	3.3523	81	507
Wake Forest Univ	NC	0	0.1148	0.0381	3.1347	81	243
CO College	CO	0	0.2087	0.1008	2.1054	81	n.a.
Colgate Univ	NY	0	0.1755	0.0584	3.0550	80	n.a.
FL International Univ	FL	1	0.0194	0.0051	3.9415	79	2237
CUNY City College	NY	1	0.0668	0.0189	4.0520	79	48
Coll of William & Mary	VA	1	0.0782	0.0319	2.4649	78	209
Clemson Univ	SC	1	0.0322	0.0116	2.7876	78	675
CUNY Coll of Staten Is	NY	1	0.0923	0.0366	2.5445	77	278
MEANS (unweighted)		0.62	0.0867	0.0364	2.9675	176	684

Sources: IPEDS, 2011-2013.

Notes: Averages for 2011-2013 are given. Conversion ratio is (Male Econs/Male BAs)/(Female Econs/Female BAs) and is the average of the conversion ratio computed for each of the three years. n.a. = program does not exist at the school.