

2017-2018 Academic Salary Survey

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The 2017-2018 academic salary survey includes both faculty and non-faculty statisticians and biostatisticians. We received responses from 68 institutions in the United States. The data included 1289 faculty and 148 non-faculty statisticians, with gender information. The quartiles and 90th percentile for relevant categories are provided in the summary tables.

Faculty Data

The faculty data set, comprised of 840 males, 448 females, and 1 who identified as transgender, included faculty members in 32 statistics departments (N= 629), 26 biostatistics departments (N= 537) and 17 mathematical sciences departments (N= 123).

Table 1 summarizes salary information for full-time academic faculty in statistics departments by rank and years in rank, based on nine-month salary. Table 2 provides similar information for full-time academic faculty in biostatistics departments, but is based on twelve-month salary. Table 3 summarizes salary information on full-time academic faculty in the mathematical sciences departments by rank, based on nine-month salary. A few cases of statistics and mathematical sciences faculty with twelve-month salaries were adjusted down by a factor of one-fourth, and a few cases of biostatistics faculty with nine-month salaries were adjusted up by a factor of one-third. Tables 4, 5, and 6 provide similar percentiles for the groups in Tables 1, 2, and 3, respectively, stratified by gender. Tables 8, 9, and 10 provide salary information by tenure status.

Non-faculty Data

The non-faculty data set included 148 observations from 22 institutions, with 24 observations at the doctoral level and 124 at the master's level. Of the 148 individuals, there were 133 from biostatistics departments, 14 from statistics departments, and 1 from mathematical sciences. Table 7 provides their salary distribution, stratified by highest degree (master's or doctorate) and years since obtaining the highest degree.

**Table 1. 2017-2018 Academic Faculty in Statistics Departments
by Rank and Years in Rank, Based on 9-Month Salary**

Rank	Years in Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-2	29	\$112,501	\$121,752	\$131,956	\$180,739
	3-5	42	\$118,647	\$135,908	\$166,100	\$203,165
	6-9	26	\$121,701	\$136,618	\$192,500	\$252,450
	10-16	51	\$127,800	\$154,700	\$181,505	\$236,346
	17+	86	\$140,403	\$163,191	\$198,326	\$263,566
	All	234	\$123,108	\$148,368	\$186,739	\$241,346
Associate Professor	0-1	28	\$94,734	\$106,884	\$118,950	\$140,000
	2-3	36	\$91,862	\$103,044	\$121,016	\$142,802
	4-6	42	\$93,959	\$101,805	\$105,000	\$126,466
	7+	39	\$85,125	\$97,495	\$110,241	\$126,902
	All	145	\$90,992	\$102,142	\$111,529	\$140,000
Assistant Professor	0-1	55	\$79,950	\$90,247	\$98,000	\$101,300
	2-3	61	\$77,450	\$90,366	\$100,000	\$109,250
	4-5	49	\$84,050	\$93,845	\$97,421	\$104,313
	6+	10	\$86,779	\$95,977	\$100,859	\$118,103
	All	175	\$81,947	\$92,004	\$97,992	\$105,500
Instructor	All	75	\$53,938	\$63,160	\$75,702	\$94,216
All Ranks	All	629	\$87,125	\$102,687	\$137,700	\$181,505

**Table 2. 2017-2018 Academic Faculty in Biostatistics Departments
by Rank and Years in Rank, Based on 12-Month Salary**

Rank	Years in Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-2	32	\$163,165	\$184,135	\$197,410	\$240,000
	3-5	47	\$173,002	\$185,861	\$213,790	\$230,000
	6-9	28	\$177,155	\$185,000	\$206,970	\$253,900
	10-16	51	\$194,133	\$208,633	\$267,604	\$347,879
	17+	52	\$197,038	\$233,373	\$272,908	\$316,872
	All	210	\$177,576	\$198,435	\$233,513	\$279,545
Associate Professor	0-1	26	\$120,450	\$141,299	\$150,000	\$155,880
	2-3	36	\$132,443	\$139,571	\$153,216	\$170,424
	4-6	48	\$125,410	\$144,125	\$153,542	\$167,198
	7+	46	\$132,154	\$146,257	\$163,276	\$181,496
	All	156	\$129,016	\$143,091	\$153,542	\$167,199
Assistant Professor	0-1	46	\$105,000	\$110,000	\$116,000	\$129,000
	2-3	44	\$106,000	\$109,252	\$118,000	\$131,028
	4-5	32	\$107,875	\$113,570	\$123,076	\$131,028
	6+	31	\$102,090	\$114,348	\$127,749	\$133,587
	All	153	\$105,315	\$110,000	\$121,141	\$131,028
Instructor	All	18	\$72,100	\$81,765	\$96,968	\$98,838
All Ranks	All	537	\$115,586	\$146,389	\$187,140	\$233,233

**Table 3. 2017-2018 Academic Faculty in Mathematical Sciences Departments
by Rank, Based on 9-Month Salary**

Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	45	\$97,230	\$111,531	\$131,700	\$156,028
Associate Professor	39	\$78,742	\$87,105	\$96,073	\$103,100
Assistant Professor	29	\$69,923	\$78,460	\$92,175	\$108,200
Instructor	10	\$51,862	\$57,132	\$65,541	\$71,479
All Ranks	123	\$76,752	\$89,854	\$107,810	\$131,700

**Table 4. 2017-2018 Academic Faculty in Statistics Departments
by Rank, Years in Rank and Gender, Based on 9-Month Salary**

Rank	Years in Rank	Gender	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-6	Female	29	\$112,500	\$123,348	\$145,294	\$203,165
		Male	54	\$117,905	\$132,154	\$164,360	\$213,110
	7+	Female	15	\$134,720	\$155,508	\$218,000	\$252,450
		Male	136	\$133,611	\$159,497	\$191,000	\$253,588
	All	Female	44	\$114,651	\$130,432	\$185,688	\$220,000
		Male	190	\$125,987	\$152,824	\$186,739	\$242,167
Associate Professor	0-2	Female	15	\$89,500	\$101,247	\$112,695	\$120,000
		Male	34	\$90,750	\$106,884	\$123,586	\$140,000
	3+	Female	35	\$90,992	\$98,362	\$104,550	\$126,466
		Male	61	\$91,118	\$102,904	\$108,977	\$142,802
	All	Female	50	\$90,992	\$99,855	\$106,746	\$120,850
		Male	95	\$90,750	\$103,363	\$114,365	\$142,802
Assistant Professor	0-2	Female	33	\$72,000	\$85,000	\$95,000	\$110,000
		Male	57	\$80,800	\$90,366	\$97,000	\$100,511
	3+	Female	28	\$84,219	\$93,015	\$96,386	\$109,250
		Male	57	\$84,500	\$95,004	\$100,363	\$115,099
	All	Female	61	\$77,358	\$88,482	\$95,582	\$109,250
		Male	114	\$82,617	\$92,847	\$98,756	\$104,600
Instructor	All	Female	45	\$52,000	\$60,900	\$73,044	\$95,921
		Male	29	\$57,823	\$66,684	\$75,702	\$90,045
		Transgender	1	\$94,216	\$94,216	\$94,216	\$94,216

Table 5. 2017-2018 Academic Faculty in Biostatistics Departments by Rank, Years in Rank and Gender, Based on 12-Month Salary

Rank	Years in Rank	Gender	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-6	Female	31	\$165,000	\$188,533	\$203,679	\$230,000
		Male	53	\$170,000	\$184,370	\$213,417	\$240,000
	7+	Female	33	\$180,000	\$196,368	\$230,205	\$254,475
		Male	93	\$187,483	\$211,737	\$269,940	\$325,333
	All	Female	64	\$175,375	\$189,313	\$222,853	\$240,000
		Male	146	\$178,110	\$201,751	\$244,333	\$294,023
Associate Professor	0-2	Female	20	\$123,522	\$133,500	\$146,318	\$149,700
		Male	26	\$137,572	\$144,769	\$153,972	\$163,000
	3+	Female	48	\$125,771	\$142,209	\$153,542	\$166,536
		Male	62	\$132,885	\$145,219	\$158,453	\$170,755
	All	Female	68	\$125,410	\$140,369	\$151,842	\$165,631
		Male	88	\$133,402	\$145,123	\$155,954	\$170,195
Assistant Professor	0-2	Female	26	\$105,060	\$108,884	\$116,000	\$129,000
		Male	46	\$105,000	\$110,000	\$118,450	\$129,000
	3+	Female	38	\$104,314	\$114,174	\$125,492	\$131,485
		Male	43	\$106,500	\$110,331	\$127,749	\$133,587
	All	Female	64	\$105,030	\$111,562	\$120,594	\$130,810
		Male	89	\$105,500	\$110,000	\$122,000	\$131,028
Instructor	All	Female	12	\$73,925	\$81,765	\$96,855	\$98,838
		Male	6	\$63,000	\$86,113	\$96,968	\$97,706

Table 6. 2017-2018 Academic Faculty in Mathematical Sciences Departments by Rank and Gender, Based on 9-Month Salary

Rank	Gender	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	Female	9	\$78,713	\$97,230	\$105,000	\$111,019
	Male	36	\$101,284	\$115,556	\$141,554	\$165,600
Associate Professor	Female	14	\$71,599	\$85,207	\$94,932	\$104,114
	Male	25	\$80,000	\$89,412	\$96,605	\$102,995
Assistant Professor	Female	10	\$70,000	\$79,230	\$89,000	\$105,384
	Male	19	\$69,923	\$77,357	\$96,500	\$108,200
Instructor	Female	7	\$56,473	\$63,256	\$67,851	\$75,106
	Male	3	\$50,000	\$51,000	\$51,862	\$51,862

Table 7. 2017-2018 Academic Non-Faculty Statisticians* By Highest Degree, Based on 12-month salary

Highest Degree	Years Since Highest Degree	N	1st Quartile	Median	3rd Quartile	90th Percentile
Master's	0-2	24	\$61,410	\$62,915	\$67,229	\$80,609
	3-5	20	\$60,704	\$65,713	\$72,250	\$82,553
	6-9	17	\$69,779	\$75,346	\$76,853	\$79,546
	10-15	29	\$72,576	\$81,588	\$86,940	\$97,920
	16+	34	\$83,121	\$91,616	\$113,689	\$126,085
	All	124	\$65,063	\$75,346	\$86,940	\$97,920
Doctorate	All	24	\$70,963	\$83,266	\$91,997	\$101,289

**Includes 133 from Biostatistics, 14 from Statistics, and 1 from Mathematical Sciences departments*

**Table 8. 2017-2018 Academic Faculty in Statistics Departments
by Tenure Status, Rank and Years in Rank, Based on 9-Month Salary**

Tenured or Tenure Track

Rank	Years in Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-3	39	\$115,500	\$126,466	\$170,000	\$205,553
	4-7	40	\$119,453	\$133,596	\$173,075	\$229,428
	8-14	46	\$124,415	\$152,470	\$179,288	\$236,346
	15-20	38	\$142,531	\$167,393	\$200,000	\$241,346
	21+	60	\$139,431	\$161,865	\$200,413	\$267,125
	All	223	\$124,206	\$148,698	\$188,675	\$242,987
Associate Professor	0-2	43	\$93,396	\$106,000	\$121,700	\$135,323
	3-5	49	\$99,478	\$103,932	\$108,977	\$143,430
	6+	45	\$87,900	\$97,206	\$106,700	\$122,532
	All	137	\$92,203	\$102,153	\$112,695	\$140,000
Assistant Professor	0-2	62	\$87,125	\$92,886	\$100,000	\$109,250
	3+	73	\$89,375	\$95,553	\$100,363	\$111,650
	All	135	\$88,000	\$94,850	\$100,000	\$110,700
All Ranks	All	495	\$95,723	\$111,803	\$146,697	\$192,708

Non-Tenure Track (All Years)

Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	11	\$90,545	\$112,500	\$163,000	\$164,360
Associate Professor	8	\$72,204	\$79,759	\$96,820	\$120,000
Assistant Professor	40	\$52,000	\$72,098	\$82,566	\$85,723
Instructor	75	\$53,938	\$63,160	\$75,702	\$94,216

All Ranks	134	\$54,000	\$70,000	\$84,050	\$97,393
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**Table 9. 2017-2018 Academic Faculty in Biostatistics Departments
by Tenure Status, Rank and Years in Rank, Based on 12-Month Salary**

Tenured or Tenure Track

Rank	Years in Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-3	29	\$174,173	\$185,861	\$198,038	\$240,000
	4-7	32	\$177,497	\$200,457	\$219,107	\$253,900
	8-14	31	\$198,289	\$211,473	\$269,940	\$350,000
	15+	55	\$198,492	\$233,513	\$279,912	\$330,289
	All	147	\$183,900	\$208,633	\$250,000	\$296,000
Associate Professor	0-2	24	\$133,427	\$144,650	\$153,000	\$155,880
	3+	57	\$128,750	\$145,008	\$157,166	\$170,755
	All	81	\$129,281	\$145,000	\$154,018	\$169,700
Assistant Professor	0-2	42	\$106,080	\$110,000	\$120,000	\$129,000
	3+	35	\$106,500	\$113,988	\$127,600	\$132,372
	All	77	\$106,500	\$110,000	\$120,000	\$130,810
All Ranks	All	305	\$123,500	\$158,453	\$204,516	\$265,867

Non-Tenure Track

Rank	Years in Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-5	25	\$157,751	\$179,867	\$196,732	\$221,682
	6+	38	\$173,940	\$183,964	\$212,736	\$231,750
	All	63	\$165,000	\$180,000	\$212,736	\$228,786
Associate Professor	0-2	22	\$120,450	\$136,860	\$147,636	\$153,264
	3+	53	\$132,154	\$142,776	\$154,325	\$166,238
	All	75	\$128,354	\$140,000	\$153,264	\$165,631

Assistant Professor	0-2	30	\$101,000	\$108,691	\$115,586	\$127,850
	3+	46	\$103,779	\$112,949	\$125,529	\$131,506
	All	76	\$101,614	\$110,261	\$121,331	\$131,506
Instructor	All	18	\$72,100	\$81,765	\$96,968	\$98,838
All Ranks	All	232	\$110,261	\$132,520	\$164,751	\$194,690

**Table 10. 2017-2018 Academic Faculty in Mathematical Sciences Departments
by Tenure Status and Rank, Based on 9-Month Salary**

Tenured or Tenure Track

Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	44	\$97,928	\$111,719	\$133,152	\$156,028
Associate Professor	37	\$80,000	\$89,412	\$96,073	\$103,100
Assistant Professor	28	\$69,962	\$78,461	\$93,288	\$108,200
All Ranks	109	\$78,713	\$93,012	\$110,200	\$139,508

Non-Tenure Track

Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	1	\$67,214	\$67,214	\$67,214	\$67,214
Associate Professor	2	\$78,662	\$78,702	\$78,742	\$78,742
Assistant Professor	1	\$37,969	\$37,969	\$37,969	\$37,969
Instructor/Lecturer	10	\$51,862	\$57,132	\$65,541	\$71,479
All Ranks	14	\$51,862	\$60,524	\$67,851	\$78,662