

2021-2022 Academic Salary Survey

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The 2021-2022 academic salary survey includes both faculty and non-faculty statisticians and biostatisticians. We received responses from 69 institutions/departments in the United States. The data included 1,025 faculty and 163 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 660 males, 364 females, and 1 non-binary individual, and included faculty members in 21 statistics departments (N=392), 26 biostatistics departments (N=465) and 20 math sciences departments (N=168). Departments that were classified as both Math and Statistics were included with the Mathematical Sciences departments.

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. The salaries of all statistics and mathematical sciences faculty with contracts other than nine-months were adjusted appropriately to a nine-month salary. Similarly, the salaries of all biostatistics faculty with contracts other than twelve-months were adjusted appropriately to a twelve-month salary. 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 163 observations from 25 institutions, with 35 observations at the doctoral level and 128 at the master's level. Of the 163 individuals, there were 139 from biostatistics departments, 19 from statistics departments, and 5 from mathematical sciences. Departments that were classified as both Math and Statistics were included with the Mathematical Sciences departments. Table 7 provides their salary distribution, stratified by highest degree (master's or doctorate) and years since obtaining the highest degree.

**Table 1. 2021-2022 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	\$116,694	\$138,000	\$169,700	\$216,027
	3-5	29	\$131,700	\$152,100	\$199,800	\$266,250
	6-9	25	\$150,200	\$162,665	\$195,951	\$256,250
	10-16	23	\$132,972	\$172,545	\$223,599	\$236,060
	17+	50	\$156,744	\$176,090	\$210,985	\$255,054
	All	156	\$137,043	\$164,000	\$201,425	\$248,508
Associate Professor	0-1	15	\$106,650	\$118,242	\$127,813	\$135,000
	2-3	19	\$105,000	\$119,575	\$136,953	\$143,200
	4-6	23	\$98,583	\$106,590	\$129,500	\$159,850
	7+	19	\$99,041	\$109,696	\$128,150	\$137,300
	All	76	\$101,153	\$113,196	\$128,150	\$138,370
Assistant Professor	0-1	28	\$95,990	\$107,345	\$111,108	\$117,300
	2-3	40	\$95,900	\$104,475	\$118,950	\$131,950
	4-5	23	\$100,589	\$105,372	\$115,474	\$172,750
	6+	9	\$110,000	\$113,100	\$120,950	\$132,600
	All	100	\$99,222	\$106,575	\$116,387	\$131,300
Instructor	All	60	\$63,000	\$75,809	\$89,388	\$125,652
All Ranks	All	392	\$100,004	\$118,662	\$157,040	\$201,500

**Table 2. 2021-2022 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	37	\$174,970	\$187,772	\$196,249	\$202,000
	3-5	44	\$179,892	\$204,793	\$223,853	\$269,428
	6-9	31	\$183,365	\$209,672	\$250,626	\$260,811
	10-16	44	\$204,672	\$228,383	\$282,348	\$355,114
	17+	35	\$191,375	\$240,000	\$317,815	\$349,590
	All	191	\$185,176	\$206,891	\$249,600	\$310,616
Associate Professor	0-1	24	\$117,500	\$137,377	\$154,457	\$160,000
	2-3	29	\$134,130	\$149,333	\$159,134	\$161,257
	4-6	49	\$131,121	\$145,288	\$163,894	\$176,217
	7+	25	\$141,617	\$149,106	\$158,153	\$172,465
	All	127	\$132,391	\$147,603	\$158,963	\$170,247
Assistant Professor	0-1	33	\$115,000	\$118,000	\$124,338	\$128,750
	2-3	39	\$107,967	\$116,280	\$126,274	\$150,925
	4-5	35	\$116,525	\$123,488	\$127,932	\$135,000
	6+	24	\$109,884	\$124,086	\$131,797	\$142,950
	All	131	\$110,868	\$118,320	\$127,932	\$135,000
Instructor	All	16	\$80,193	\$85,611	\$100,928	\$125,018
All Ranks	All	465	\$124,373	\$153,963	\$200,569	\$250,626

**Table 3. 2021-2022 Academic Faculty in Mathematical Sciences Departments
by Rank, Based on 9-Month Salary**

Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	58	\$104,162	\$117,864	\$186,752	\$252,512
Associate Professor	41	\$87,750	\$95,670	\$110,535	\$142,634
Assistant Professor	47	\$80,000	\$91,000	\$104,750	\$123,000
Instructor	22	\$51,000	\$69,947	\$97,269	\$102,388
All Ranks	168	\$85,766	\$98,440	\$118,980	\$186,752

**Table 4. 2021-2022 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	25	\$131,085	\$137,043	\$165,043	\$204,012
		Male	41	\$133,666	\$157,080	\$199,800	\$240,000
	7+	Female	15	\$150,200	\$182,852	\$210,985	\$230,973
		Male	75	\$148,659	\$172,533	\$209,353	\$261,600
	All	Female	40	\$132,630	\$152,350	\$195,111	\$227,436
		Male	116	\$141,945	\$168,350	\$206,125	\$256,250
Associate Professor	0-2	Female	6	\$102,205	\$108,942	\$127,400	\$138,640
		Male	18	\$108,231	\$124,407	\$128,150	\$136,953
	3+	Female	17	\$100,976	\$110,000	\$123,036	\$136,100
		Male	35	\$99,041	\$109,696	\$130,140	\$156,000
	All	Female	23	\$100,976	\$110,000	\$123,139	\$136,100
		Male	53	\$101,329	\$117,215	\$130,000	\$140,760
Assistant Professor	0-2	Female	13	\$98,534	\$107,590	\$110,016	\$130,000
		Male	35	\$94,000	\$107,100	\$117,300	\$130,000
	3+	Female	14	\$92,494	\$108,003	\$115,474	\$128,520
		Male	38	\$101,911	\$105,449	\$119,646	\$135,850
	All	Female	27	\$97,000	\$107,590	\$114,250	\$130,000
		Male	73	\$99,910	\$106,050	\$117,300	\$132,600
Instructor	All	Female	31	\$56,814	\$75,618	\$88,434	\$97,500
		Male	28	\$64,375	\$73,487	\$99,661	\$127,500

*One non-binary instructor was not included in this table due to lack of anonymity.

**Table 5. 2021-2022 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	37	\$187,460	\$205,586	\$222,705	\$269,428
		Male	54	\$171,500	\$187,772	\$203,994	\$247,059
	7+	Female	29	\$201,929	\$222,547	\$267,256	\$333,450
		Male	71	\$200,529	\$229,100	\$286,293	\$349,590
	All	Female	66	\$195,228	\$208,606	\$244,373	\$310,000
		Male	125	\$183,365	\$205,344	\$249,600	\$317,815
Associate Professor	0-2	Female	18	\$135,000	\$153,800	\$160,000	\$170,247
		Male	21	\$117,500	\$132,391	\$144,000	\$154,834
	3+	Female	40	\$129,909	\$145,000	\$156,184	\$164,767
		Male	48	\$140,000	\$151,269	\$163,894	\$176,217
	All	Female	58	\$132,373	\$148,854	\$157,056	\$168,714
		Male	69	\$135,655	\$146,795	\$159,340	\$174,125
Assistant Professor	0-2	Female	26	\$115,000	\$119,000	\$125,000	\$155,932
		Male	29	\$109,033	\$116,280	\$127,500	\$135,000
	3+	Female	35	\$114,576	\$125,495	\$130,470	\$140,039
		Male	41	\$110,000	\$118,320	\$127,773	\$134,500
	All	Female	61	\$115,000	\$120,000	\$129,001	\$140,039
		Male	70	\$109,280	\$117,955	\$127,773	\$134,750
Instructor	All	Female	9	\$80,385	\$84,390	\$95,121	\$110,527
		Male	7	\$80,000	\$95,000	\$125,018	\$129,770

**Table 6. 2021-2022 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	7	\$73,800	\$89,186	\$117,769	\$206,000
	Male	51	\$107,000	\$125,164	\$188,698	\$252,512
Associate Professor	Female	14	\$85,569	\$90,568	\$100,277	\$103,100
	Male	27	\$87,836	\$96,943	\$114,574	\$164,493
Assistant Professor	Female	19	\$78,793	\$93,800	\$110,230	\$123,000
	Male	28	\$80,912	\$87,654	\$96,297	\$123,044
Instructor	Female	9	\$53,000	\$67,994	\$75,868	\$103,933
	Male	13	\$48,000	\$76,000	\$98,795	\$102,388

**Table 7. 2021-2022 Academic Non-Faculty Statisticians*
by Highest Degree and Years Since 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	23	\$52,000	\$66,500	\$71,169	\$80,000
	3-5	25	\$65,920	\$70,200	\$73,440	\$78,000
	6-9	16	\$66,838	\$73,344	\$77,989	\$104,000
	10-15	15	\$83,952	\$92,773	\$108,530	\$125,357
	16+	49	\$91,990	\$110,173	\$133,596	\$144,638
	All	128	\$69,693	\$81,150	\$105,014	\$133,596
Doctorate	All	35	\$65,125	\$69,000	\$82,340	\$110,842

**Includes from 139 from Biostatistics, 19 from Statistics, and 5 from Mathematical Sciences departments*

**Table 8. 2021-2022 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	32	\$120,847	\$150,091	\$198,606	\$216,027
	4-7	32	\$137,750	\$162,231	\$201,312	\$268,400
	8-14	27	\$150,200	\$178,500	\$223,599	\$256,250
	15-20	21	\$148,659	\$172,550	\$191,092	\$248,508
	21+	33	\$156,376	\$172,533	\$212,435	\$244,809
	All	145	\$138,000	\$165,987	\$204,012	\$256,243
Associate Professor	0-2	24	\$107,373	\$121,325	\$127,982	\$136,953
	3-5	29	\$100,944	\$110,000	\$130,000	\$159,850
	6+	23	\$99,041	\$109,696	\$125,897	\$136,100
	All	76	\$101,153	\$113,196	\$128,150	\$138,370
Assistant Professor	0-2	39	\$99,910	\$107,590	\$117,300	\$133,900
	3+	49	\$101,908	\$105,372	\$118,600	\$132,600
	All	88	\$100,902	\$107,100	\$117,300	\$132,600
All Ranks	All	309	\$106,590	\$128,150	\$169,056	\$213,200

Non-Tenure Track (All Years)

Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	11	\$95,799	\$137,043	\$163,000	\$175,600
Associate Professor	-	-	-	-	-
Assistant Professor	12	\$71,000	\$72,000	\$113,225	\$115,000
Instructor	60	\$63,000	\$75,809	\$89,388	\$125,652
All Ranks	83	\$65,078	\$76,014	\$108,000	\$134,415

**Table 9. 2021-2022 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	44	\$170,269	\$187,772	\$204,171	\$244,373
	4-7	40	\$199,785	\$209,976	\$245,533	\$274,500
	8-14	48	\$203,812	\$228,152	\$253,079	\$292,937
	15+	36	\$218,438	\$273,135	\$337,946	\$353,714
	All	168	\$187,772	\$216,627	\$253,079	\$324,565
Associate Professor	0-2	25	\$128,000	\$140,760	\$155,820	\$161,200
	3+	63	\$140,506	\$154,038	\$161,257	\$174,902
	All	88	\$137,009	\$150,405	\$159,932	\$172,465
Assistant Professor	0-2	28	\$115,000	\$120,454	\$126,250	\$135,000
	3+	44	\$116,625	\$122,545	\$129,198	\$135,000
	All	72	\$115,640	\$121,863	\$128,428	\$135,000
All Ranks	All	328	\$134,315	\$166,907	\$220,500	\$272,129

Non-Tenure Track

Rank	Years in Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	0-5	13	\$182,000	\$187,460	\$195,432	\$199,300
	6+	10	\$183,365	\$188,391	\$191,016	\$233,952
	All	23	\$182,000	\$187,483	\$195,432	\$199,300
Associate Professor	0-2	14	\$123,810	\$140,514	\$154,834	\$157,019
	3+	25	\$130,450	\$141,617	\$150,930	\$159,340
	All	39	\$123,810	\$141,617	\$152,506	\$159,340
Assistant Professor	0-2	27	\$100,940	\$116,982	\$124,338	\$155,932
	3+	32	\$104,636	\$114,522	\$127,637	\$130,870
	All	59	\$101,920	\$116,000	\$127,500	\$134,078
Instructor	All	16	\$80,193	\$85,611	\$100,928	\$125,018
All Ranks	All	137	\$107,558	\$126,310	\$150,930	\$189,298

**Table 10. 2021-2022 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	56	\$103,581	\$120,784	\$187,725	\$252,512
Associate Professor	39	\$87,720	\$95,000	\$108,662	\$164,493
Assistant Professor	36	\$79,397	\$86,928	\$101,985	\$120,494
Instructor/Lecturer	-	-	-	-	-
All Ranks	131	\$87,750	\$102,873	\$125,164	\$197,852

Non-Tenure Track

Rank	N	1st Quartile	Median	3rd Quartile	90th Percentile
Professor	2	\$117,000	\$117,480	\$117,960	\$117,960
Associate Professor	2	\$113,774	\$122,247	\$130,720	\$130,720
Assistant Professor	11	\$91,006	\$92,104	\$123,000	\$125,000
Instructor/Lecturer	22	\$51,000	\$69,947	\$97,269	\$102,388
All Ranks	37	\$67,200	\$91,006	\$103,933	\$123,000