

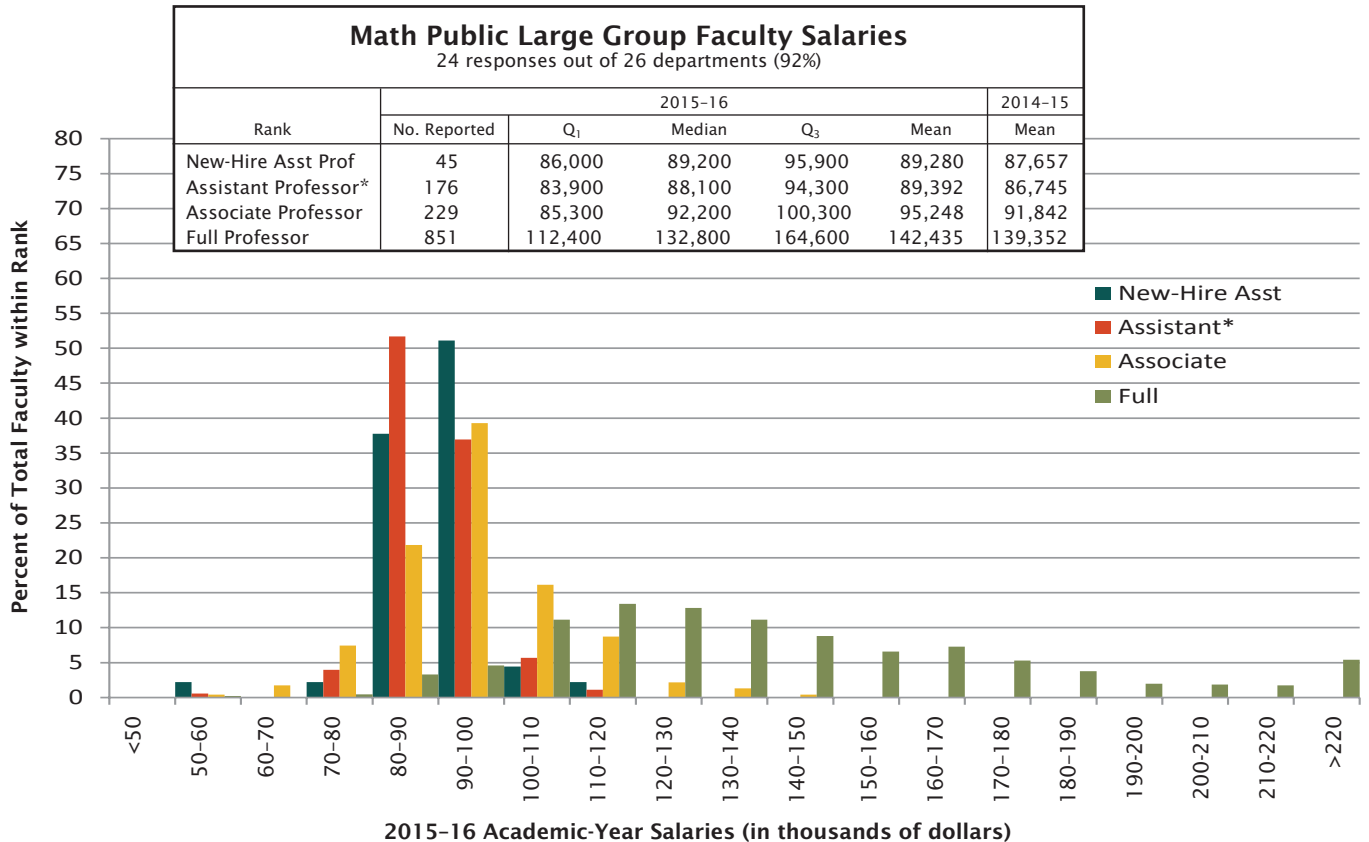
2015–2016 Faculty Salaries Report

William Yslas Vélez, Thomas H. Barr, and Colleen A. Rose

This salary report is one part of the Annual Survey of Mathematical Sciences, a nationwide survey administered by the AMS on behalf of the American Statistical Association, the Institute for Mathematical Statistics, the Mathematical Association of America, and the Society for Industrial and Applied Mathematics. It provides a look at the salaries of faculty in the Mathematical Sciences in the US by rank in several different department groupings based on discipline, highest degree offered, and graduate counts. The graphs here are identified by those group names, and the group definitions are given at the end of the report.

Departments were asked to report for each rank the number of tenured and tenure-track faculty whose 2015-16 academic-year salaries fell within given salary intervals. Reporting salary data in this fashion ensures confidentiality of individual responses, though it does mean that the reported quartiles are only approximations. The quartiles reported have been estimated assuming that the density over each interval is uniform.

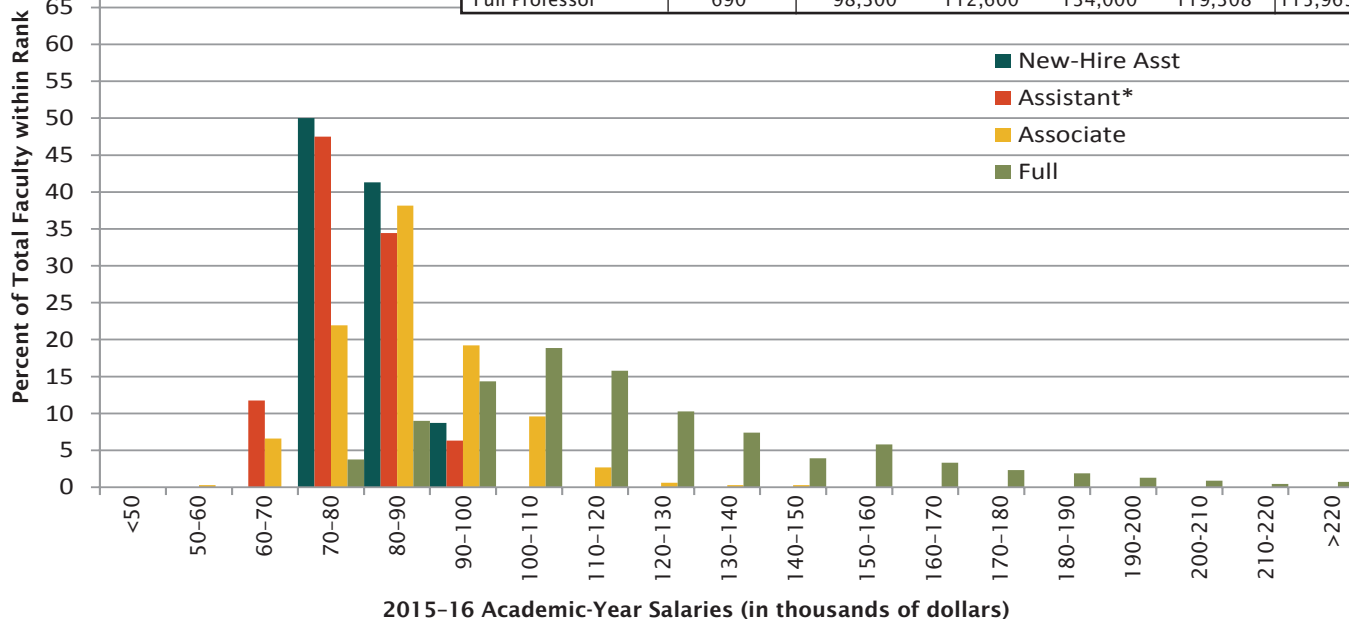
Faculty Salary Reports from prior years are at www.ams.org/profession/data/annual-survey/facsal. Interpretation of historical trends should be made with some care. For instance, one factor influencing changes in the mean of reported salaries year to year may be differences in the set of responding departments within the groups.



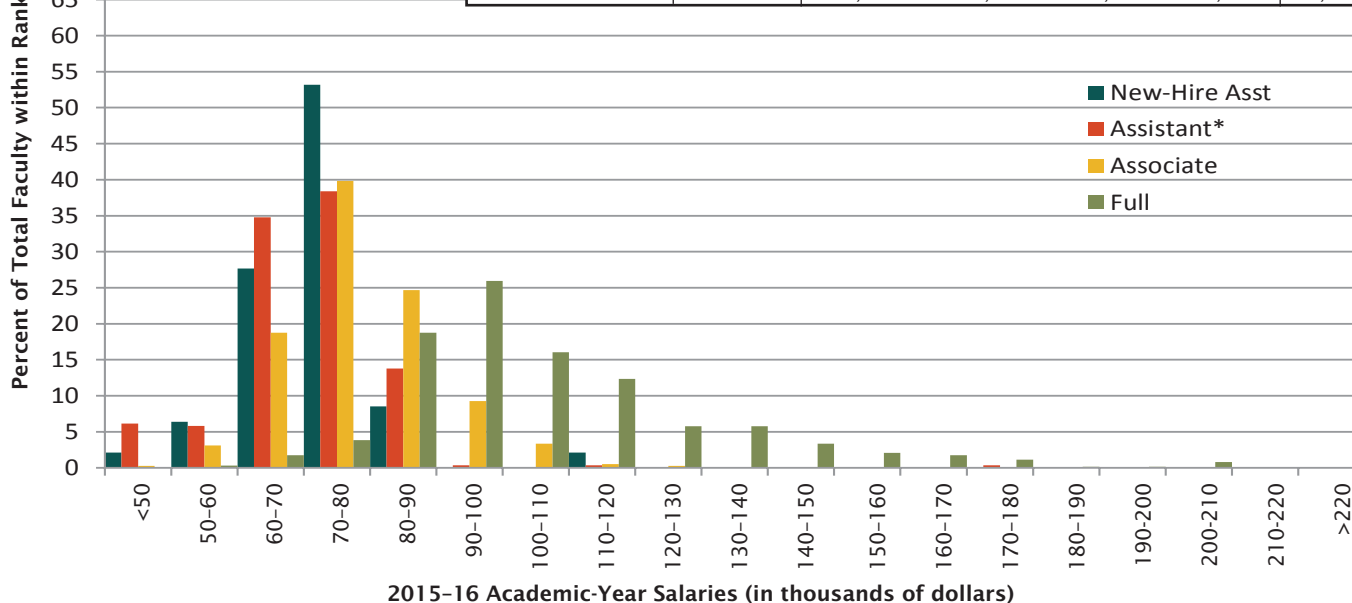
*Includes new hires.

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Math Public Medium Group Faculty Salaries						
38 responses out of 40 departments (95%)						
Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	46	76,300	80,200	85,600	79,866	78,096
Assistant Professor*	238	73,900	78,500	84,100	78,609	76,611
Associate Professor	333	78,000	85,200	93,700	86,155	82,613
Full Professor	690	98,300	112,600	134,000	119,308	115,965

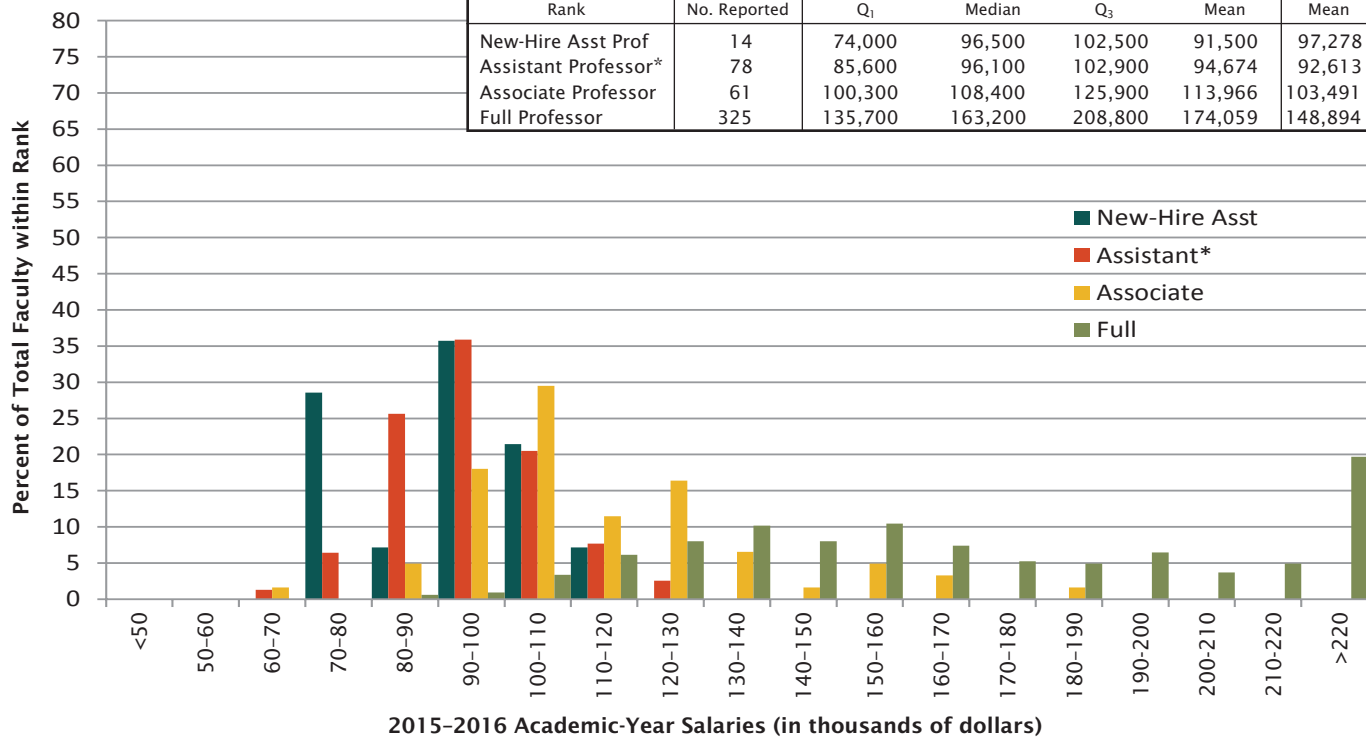


Math Public Small Group Faculty Salaries						
55 responses out of 64 departments (86%)						
Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	47	66,600	70,700	75,600	70,709	72,069
Assistant Professor*	276	65,500	70,700	76,700	70,395	69,364
Associate Professor	389	70,600	76,900	84,400	78,273	76,247
Full Professor	624	87,600	98,200	113,200	106,243	102,209

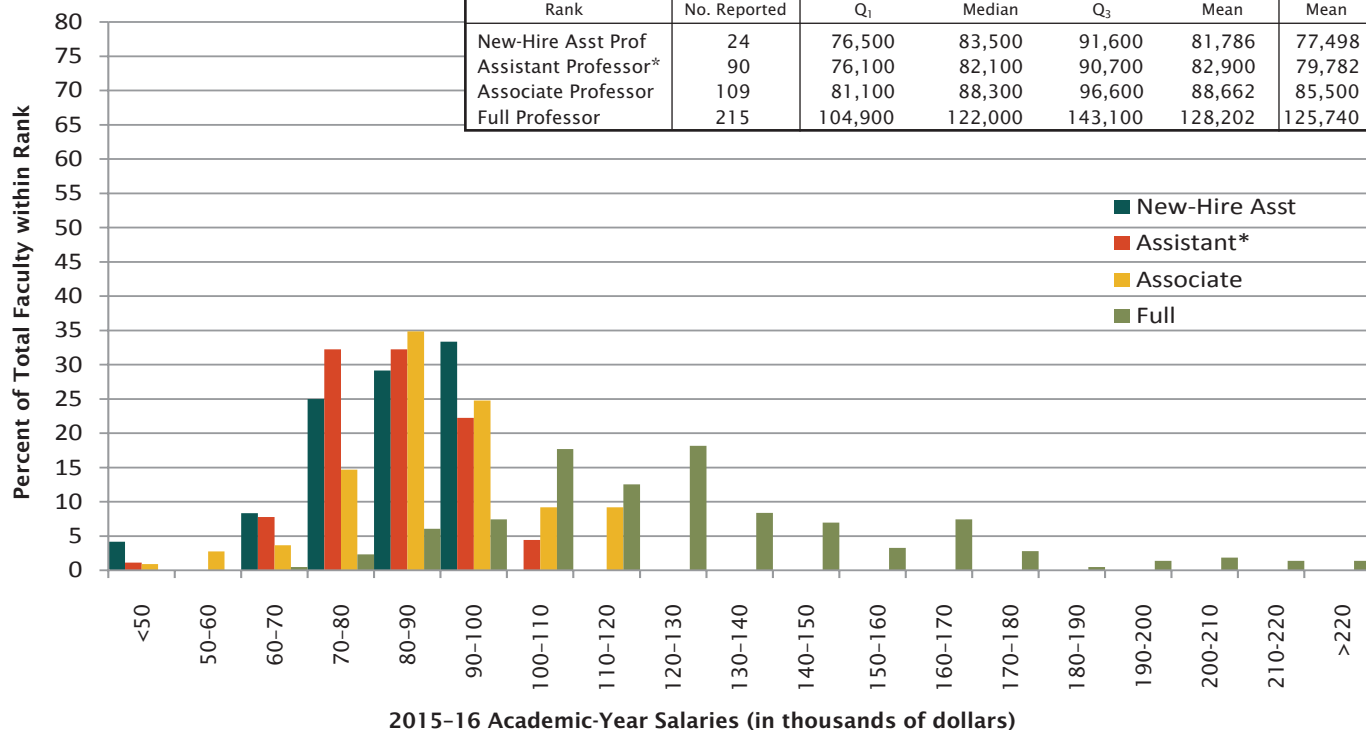


*Includes new hires.

Math Private Large Group Faculty Salaries						
16 responses out of 24 departments (67%)						
Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	14	74,000	96,500	102,500	91,500	97,278
Assistant Professor*	78	85,600	96,100	102,900	94,674	92,613
Associate Professor	61	100,300	108,400	125,900	113,966	103,491
Full Professor	325	135,700	163,200	208,800	174,059	148,894



Math Private Small Group Faculty Salaries						
21 responses out of 29 departments (72%)						
Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	24	76,500	83,500	91,600	81,786	77,498
Assistant Professor*	90	76,100	82,100	90,700	82,900	79,782
Associate Professor	109	81,100	88,300	96,600	88,662	85,500
Full Professor	215	104,900	122,000	143,100	128,202	125,740

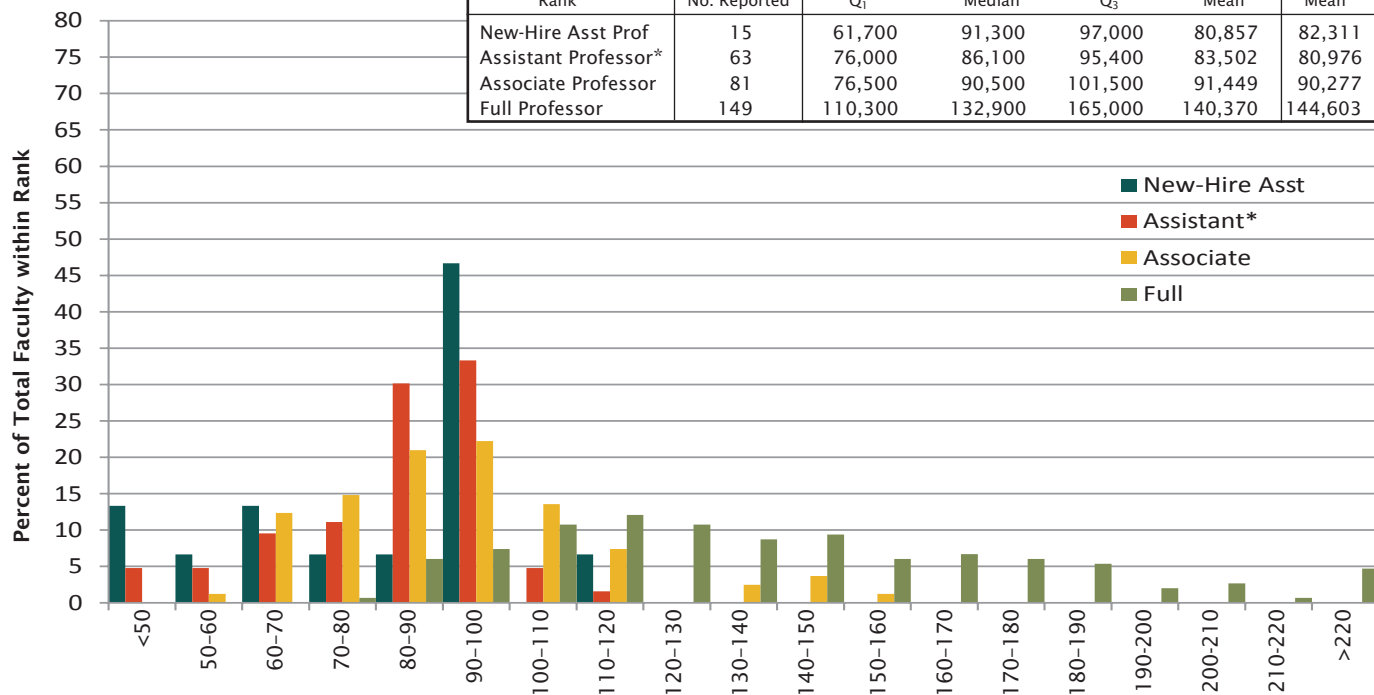


*Includes new hires.

Applied Mathematics Group Faculty Salaries

17 responses out of 24 departments (71%)

Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	15	61,700	91,300	97,000	80,857	82,311
Assistant Professor*	63	76,000	86,100	95,400	83,502	80,976
Associate Professor	81	76,500	90,500	101,500	91,449	90,277
Full Professor	149	110,300	132,900	165,000	140,370	144,603

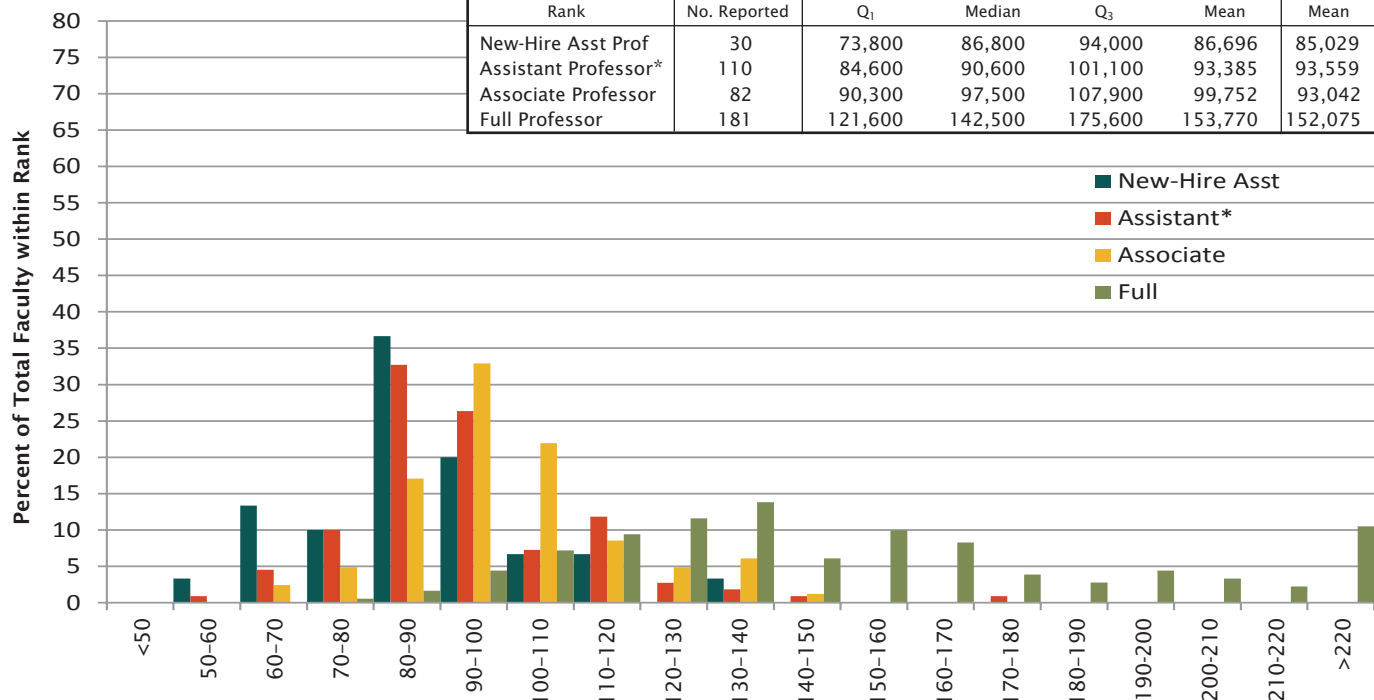


2015-16 Academic-Year Salaries (in thousands of dollars)

Statistics Group Faculty Salaries**

22 responses out of 58 departments (38%)

Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	30	73,800	86,800	94,000	86,696	85,029
Assistant Professor*	110	84,600	90,600	101,100	93,385	93,559
Associate Professor	82	90,300	97,500	107,900	99,752	93,042
Full Professor	181	121,600	142,500	175,600	153,770	152,075

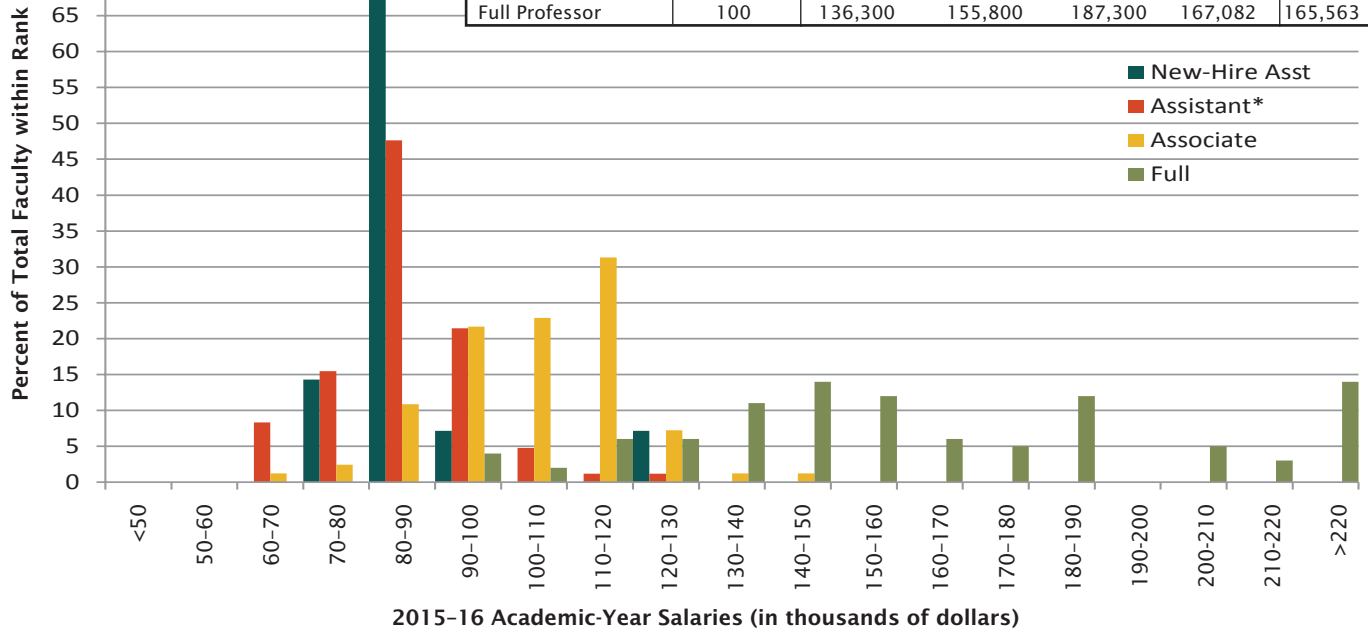


2015-16 Academic-Year Salaries (in thousands of dollars)

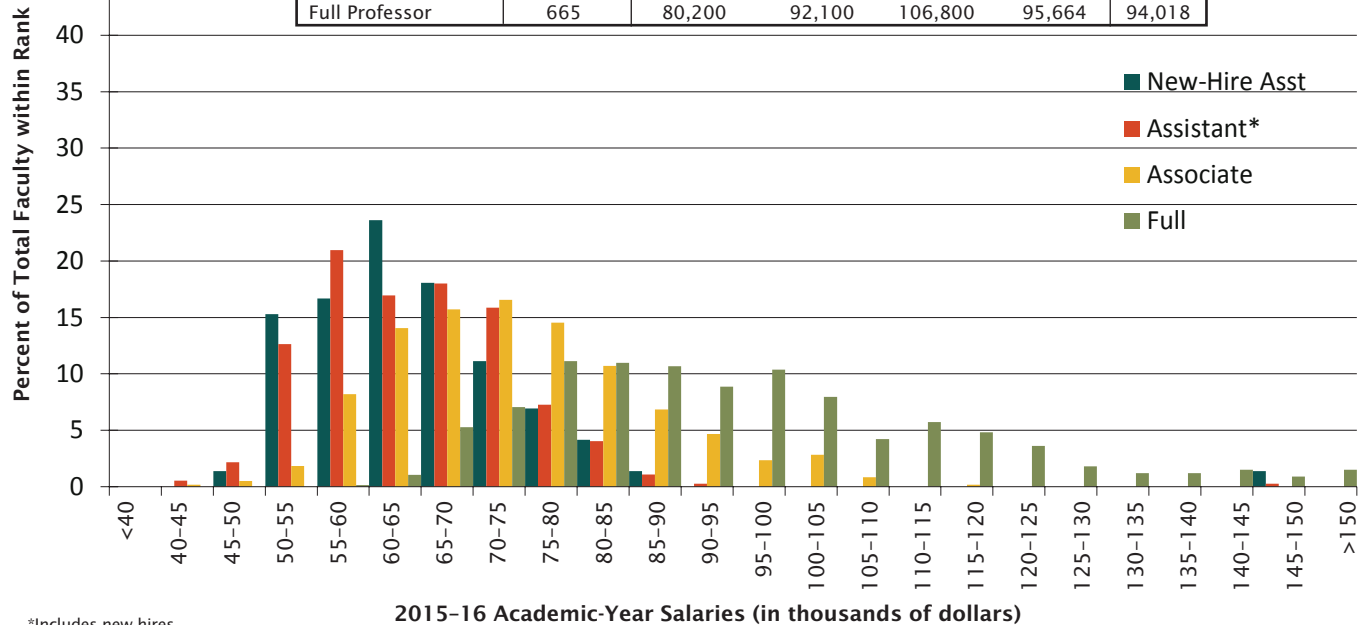
*Includes new hires.

**Faculty salary data provided by the American Statistical Association.

Biostatistics Group Faculty Salaries**						
12 responses out of 47 departments (26%)						
Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	14	81,300	83,400	87,500	86,117	83,785
Assistant Professor*	84	80,300	84,500	91,800	85,582	87,233
Associate Professor	83	93,200	106,000	115,200	104,780	103,552
Full Professor	100	136,300	155,800	187,300	167,082	165,563



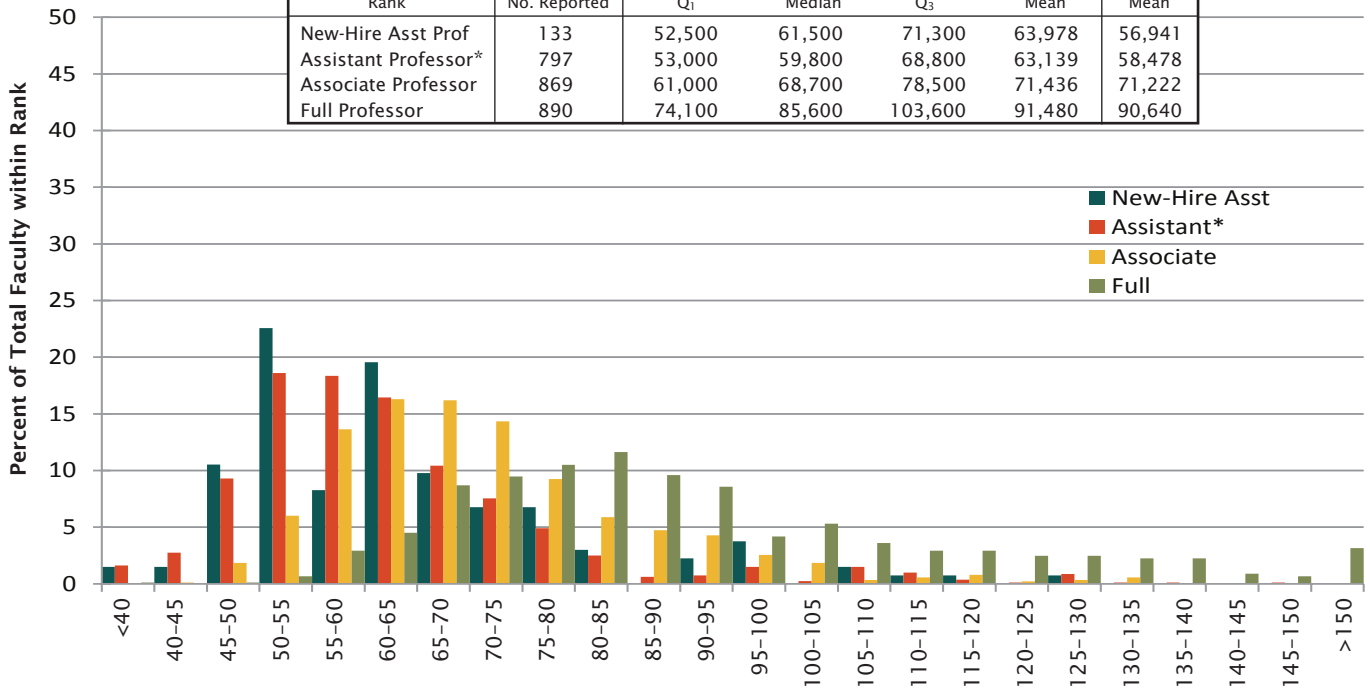
Master's Group Faculty Salaries						
89 responses out of 175 departments (51%)						
Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	72	57,500	63,500	70,300	64,750	62,230
Assistant Professor*	372	57,300	64,000	71,200	64,453	62,527
Associate Professor	598	65,100	72,900	81,600	73,899	72,622
Full Professor	665	80,200	92,100	106,800	95,664	94,018



*Includes new hires.

**Faculty salary data provided by the American Statistical Association.

Bachelor's Group Faculty Salaries 306 responses out of 1,014 departments (30%)						
Rank	2015-16					2014-15
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	133	52,500	61,500	71,300	63,978	56,941
Assistant Professor*	797	53,000	59,800	68,800	63,139	58,478
Associate Professor	869	61,000	68,700	78,500	71,436	71,222
Full Professor	890	74,100	85,600	103,600	91,480	90,640



*Includes new hires.

2015-16 Academic-Year Salaries (in thousands of dollars)

Departmental Groupings

In this report, Mathematical Sciences departments are those in four-year institutions in the US that refer to themselves with a name that incorporates (with a few exceptions) “Mathematics” or “Statistics” in some form. For instance, the term includes, but is not limited to, departments of “Mathematics,” “Mathematical Sciences,” “Mathematics and Statistics,” “Mathematics and Computer Science,” “Applied Mathematics,” “Statistics,” and “Biostatistics.” Also, *Mathematics (Math)* refers to departments that (with exceptions) have “mathematics” in the name; *Statistics* refers to departments that incorporate (again, with exceptions) “statistics” in the name but do not use “mathematics.” The streamlining of language here militates against the possible objection to foreshortening the full subject names.

Starting with reports on the 2012 AMS-ASA-IMS-MAA-SIAM Annual Survey of the Mathematical Sciences, the Joint Data Committee implemented a new method for grouping doctorate-granting Mathematics departments. These departments are first grouped into those at public institutions and those at private institutions. These groups are further subdivided based on the size of their doctoral program as reflected in the average annual number of PhDs awarded between 2000 and 2010, based on their reports to the Annual Survey during that period.

For further details on the change in the doctoral department groupings, see the article in the October 2012 issue of *Notices of the AMS* at www.ams.org/journals/notices/201209/rtx120901262p.pdf.

Math Public Large consists of departments with the highest annual rate of production of PhDs, ranging between 7.0 and 24.2 per year.

Math Public Medium consists of departments with an annual rate of production of PhDs, ranging between 3.9 and 6.9 per year.

Math Public Small consists of departments with an annual rate of production of PhDs of 3.8 or less per year.

Math Private Large consists of departments with an annual rate of production of PhDs, ranging between 3.9 and 19.8 per year.

Math Private Small consists of departments with an annual rate of production of PhDs of 3.8 or less per year.

Applied Mathematics consists of doctoral-degree-granting applied mathematics departments.

Statistics consists of doctoral-degree-granting statistics departments.

Biostatistics consists of doctoral-degree-granting biostatistics departments.

Master’s contains US departments granting a Master’s degree as the highest graduate degree.

Bachelor’s contains US departments granting a Baccalaureate degree only.

Doctoral Math contains all US math public, math private, and applied math mathematics departments granting a PhD as the highest graduate degree.

Mathematics contains all US math public, math private, and applied math, Master’s, and Bachelor’s groups above.

Listings of the actual departments that compose these groups are available on the AMS website at www.ams.org/annual-survey/groups.

Obtain a Special Faculty Salaries Analysis

Each year AMS provides a limited number of special faculty salary analyses to departments requesting them. These reports are based on data gathered through the Survey and provide more nuanced comparisons with similar institutions than is possible with the Faculty Salaries Report. In order to receive a special analysis, your department must have responded to the most recent Faculty Survey.

Send a list of your peer institutions (a minimum of 12 institutions is required) to ams-survey@ams.org along with the date by which the analysis is needed. (If not enough of your peer group have responded to the salary survey, you'll be asked to provide additional institutions.) A minimum of two weeks is needed to complete a special analysis.

The analysis produced includes a listing of your peer group institutions along with their salary survey response status; a summary table including the rank (assistant, associate, and full professor); the number reported in each rank; the 1st quartile, median, 3rd quartile, and mean salaries for each along with bar graphs.

Acknowledgements

The Annual Survey attempts to provide an accurate appraisal and analysis of various aspects of the academic mathematical sciences scene for the use and benefit of the community and for filling the information needs of the professional organizations. Every year, college and university departments in the United States are invited to respond. The Annual Survey relies heavily on the conscientious efforts of the dedicated staff members of these departments for the quality of its information. On behalf of the Data Committee and the Annual Survey Staff, we thank the many secretarial and administrative staff members in the mathematical sciences departments for their cooperation and assistance in responding to the survey questionnaires.

About the Annual Survey

The Annual Survey series, begun in 1957 by the American Mathematical Society, is currently under the direction of the Data Committee, a joint committee of the American Mathematical Society, the American Statistical Association, the Mathematical Association of America, and the Society of Industrial and Applied Mathematics. A list of current members of this committee can be found at www.ams.org/annual-survey/AMS-ASA-IMS-MAA-SIAM-Data-Committee.pdf. Comments or suggestions regarding this Survey Report may be emailed to the committee at ams-survey@ams.org.