

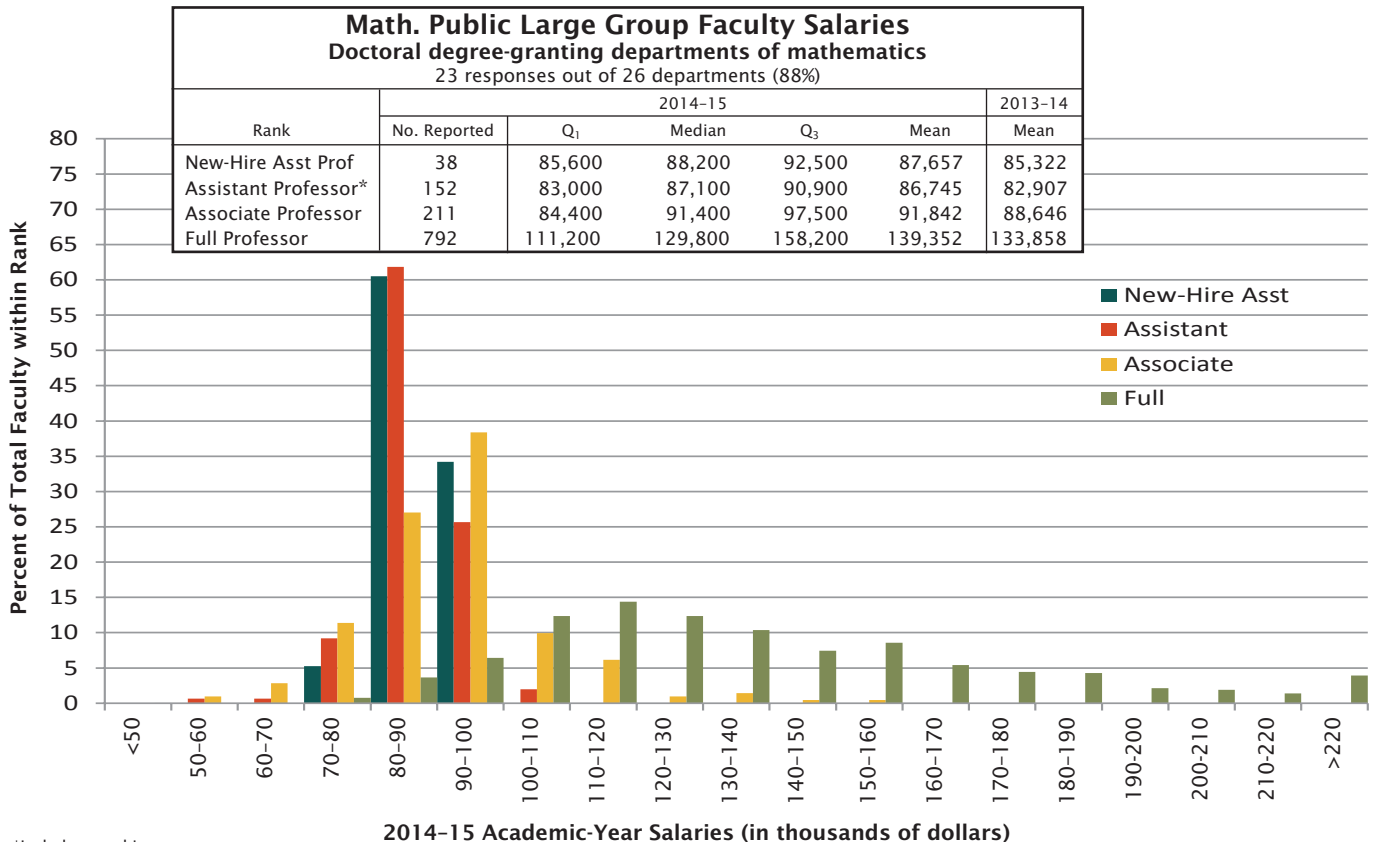
2014-2015 Faculty Salaries Report

William Yslas Vélez, James W. Maxwell, and Colleen A. Rose

This report provides information on the distribution of 2014–15 academic-year salaries for tenured and tenure-track faculty at four-year mathematical sciences departments in the US by the departmental groupings used in the Annual Survey. (See page 649 for the definitions of the various departmental groupings.) Salaries are described separately by rank. Salaries are reported in current dollars (at time of data collection). Results reported here are based on the departments that responded to the survey, with no adjustment for non-response.

Departments were asked to report for each rank the number of tenured and tenure-track faculty whose 2014–15 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.

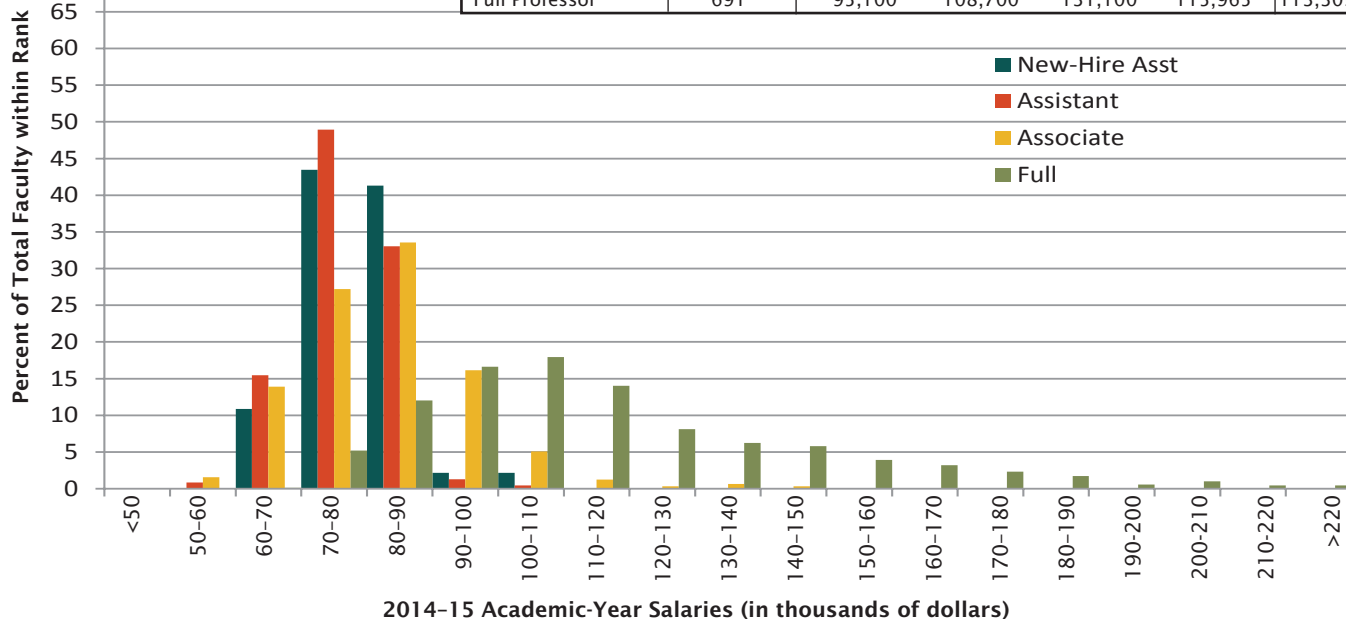
When comparing current and prior year figures, one should keep in mind that differences in the set of responding departments may be one of the most important factors in the change in the reported mean salaries. This report uses the new groupings of doctoral-granting mathematics departments adopted in 2012 by the Joint Data Committee. Additional detail is provided on page 649.



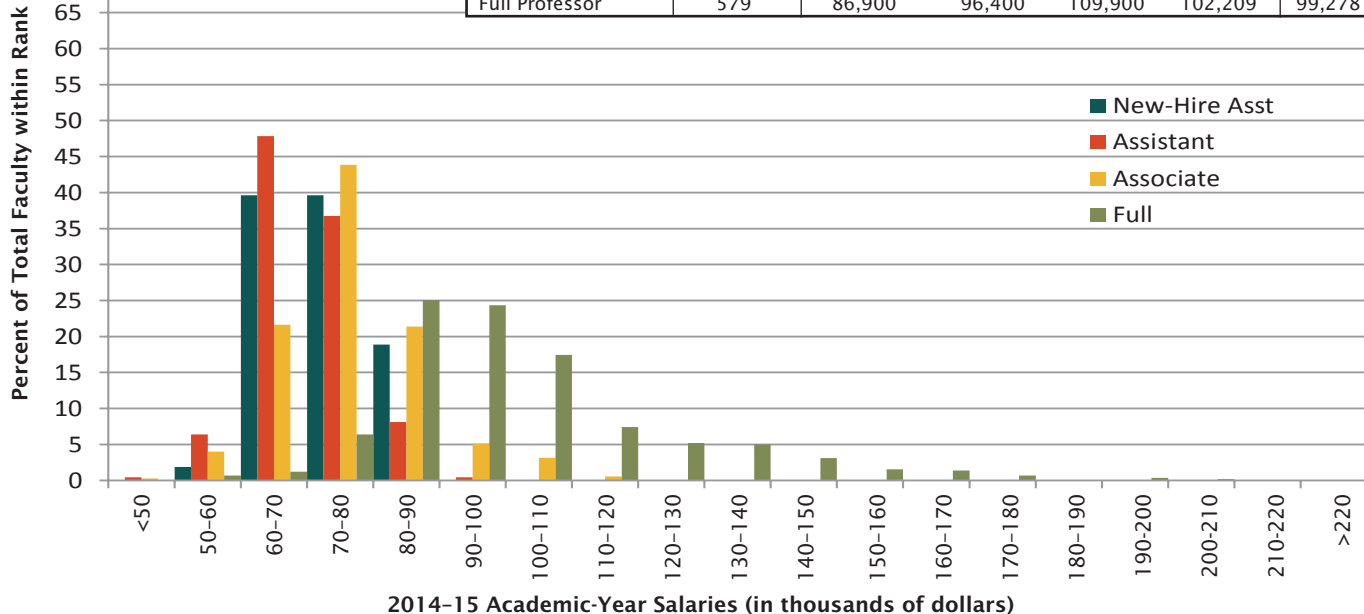
*Includes new hires.

William Yslas Vélez is a professor in the Department of Mathematics at University of Arizona. James W. Maxwell is AMS Coordinator of special projects. Colleen A. Rose is AMS survey analyst.

Math. Public Medium Group Faculty Salaries						
Doctoral degree-granting departments of mathematics						
37 responses out of 40 departments (93%)						
Rank	2014-15					2013-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	46	72,700	78,600	86,200	78,096	75,415
Assistant Professor*	233	72,100	77,300	82,400	76,611	74,640
Associate Professor	316	75,100	82,000	89,500	82,613	80,744
Full Professor	691	95,100	108,700	131,100	115,965	113,309

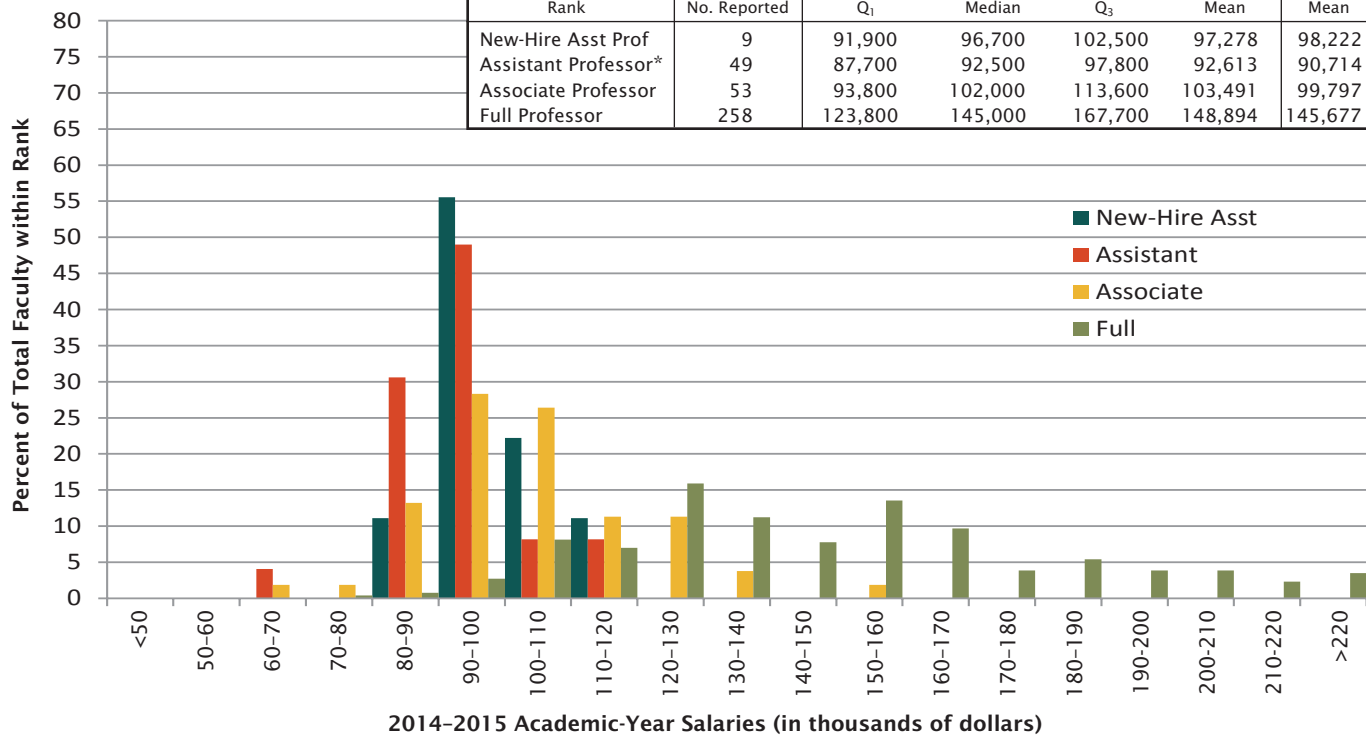


Math. Public Small Group Faculty Salaries						
Doctoral degree-granting departments of mathematics						
49 responses out of 64 departments (77%)						
Rank	2014-15					2013-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	53	67,000	71,800	78,100	72,069	68,686
Assistant Professor*	234	64,400	69,100	74,100	69,364	67,466
Associate Professor	351	69,600	75,700	81,800	76,247	73,616
Full Professor	579	86,900	96,400	109,900	102,209	99,278

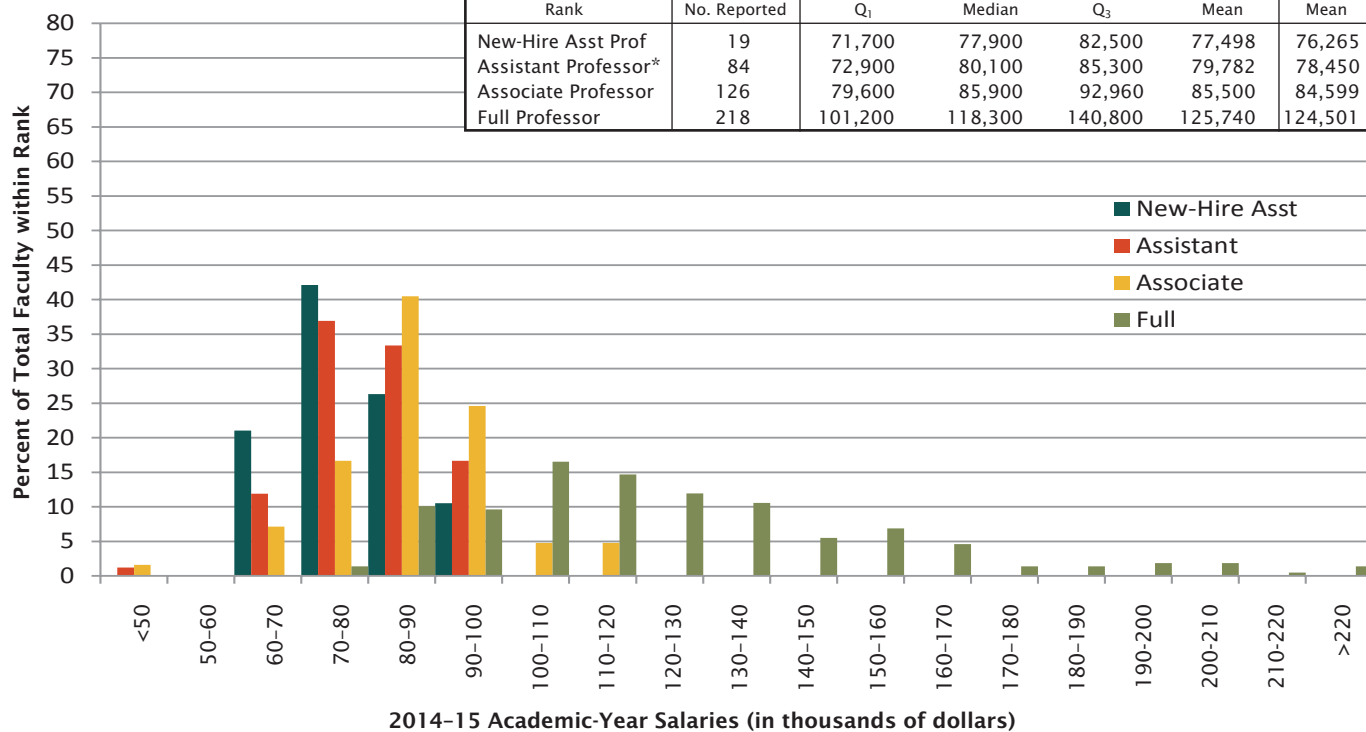


*Includes new hires.

Math. Private Large Group Faculty Salaries						
Doctoral degree-granting departments of mathematics						
15 responses out of 24 departments (63%)						
Rank	2014-15					2014-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	9	91,900	96,700	102,500	97,278	98,222
Assistant Professor*	49	87,700	92,500	97,800	92,613	90,714
Associate Professor	53	93,800	102,000	113,600	103,491	99,797
Full Professor	258	123,800	145,000	167,700	148,894	145,677

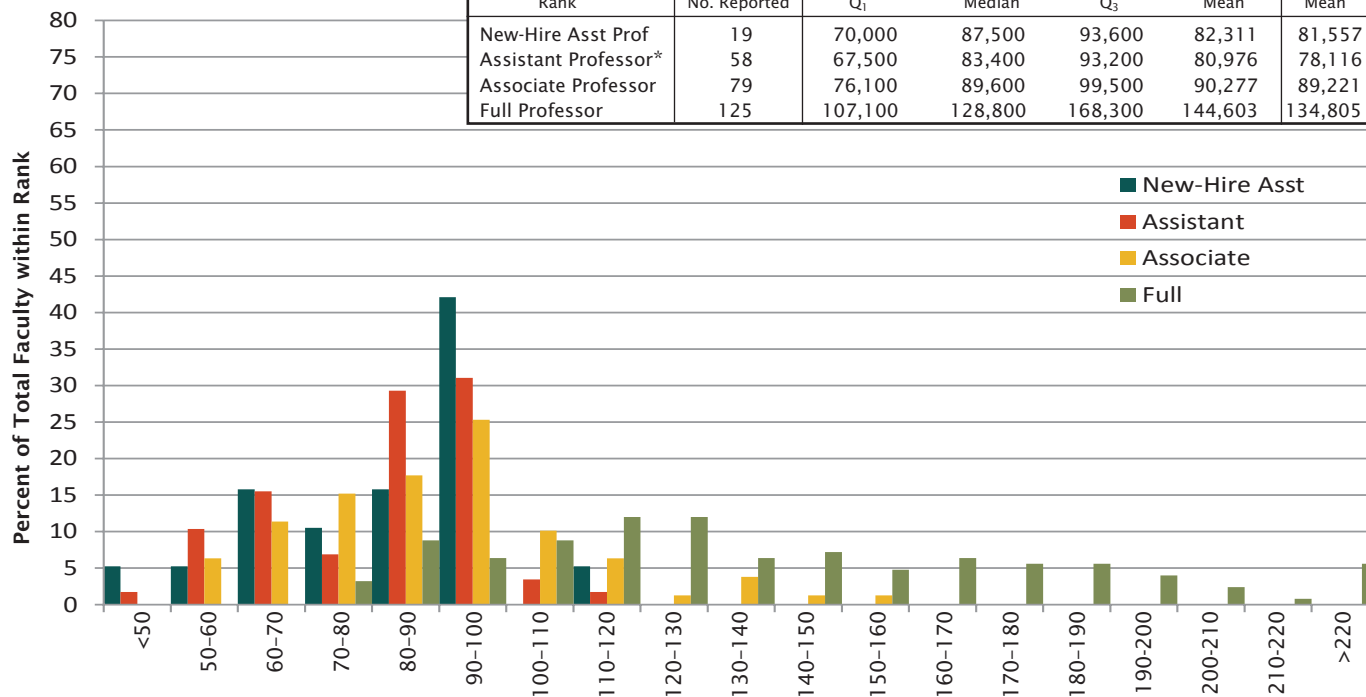


Math. Private Small Group Faculty Salaries						
Doctoral degree-granting departments of mathematics						
22 responses out of 28 departments (79%)						
Rank	2014-15					2013-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	19	71,700	77,900	82,500	77,498	76,265
Assistant Professor*	84	72,900	80,100	85,300	79,782	78,450
Associate Professor	126	79,600	85,900	92,960	85,500	84,599
Full Professor	218	101,200	118,300	140,800	125,740	124,501



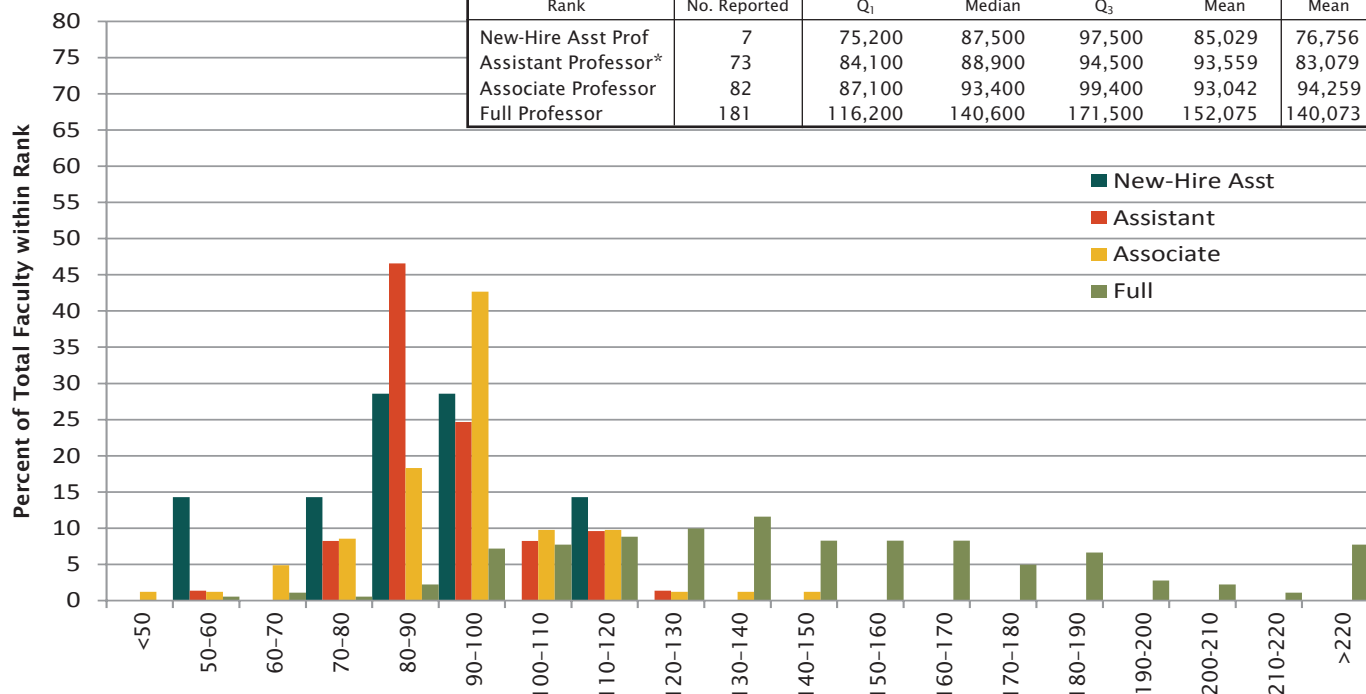
*Includes new hires.

Applied Mathematics Group Faculty Salaries						
Doctoral degree-granting departments of applied mathematics						
15 responses out of 24 departments (63%)						
Rank	2014-15					2013-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	19	70,000	87,500	93,600	82,311	81,557
Assistant Professor*	58	67,500	83,400	93,200	80,976	78,116
Associate Professor	79	76,100	89,600	99,500	90,277	89,221
Full Professor	125	107,100	128,800	168,300	144,603	134,805



2014-15 Academic-Year Salaries (in thousands of dollars)

Statistics Group Faculty Salaries**						
Doctoral degree-granting departments of statistics						
22 responses out of 58 departments (38%)						
Rank	2014-15					2013-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	7	75,200	87,500	97,500	85,029	76,756
Assistant Professor*	73	84,100	88,900	94,500	93,559	83,079
Associate Professor	82	87,100	93,400	99,400	93,042	94,259
Full Professor	181	116,200	140,600	171,500	152,075	140,073

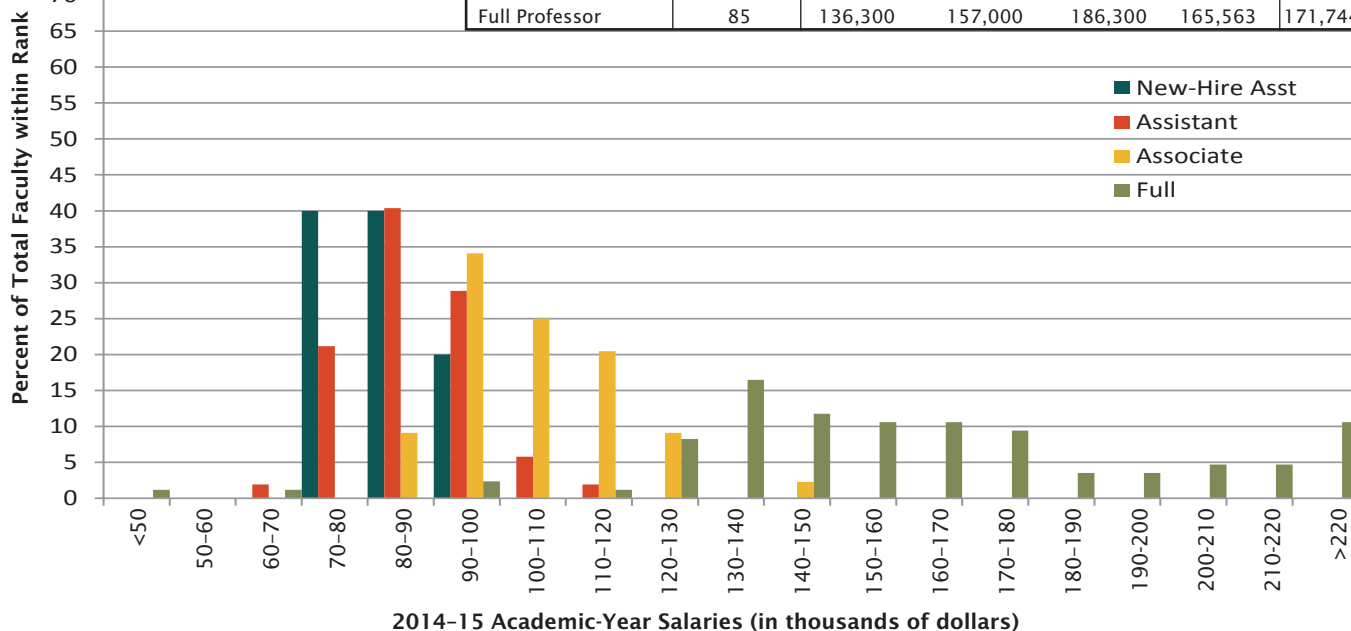


2014-15 Academic-Year Salaries (in thousands of dollars)

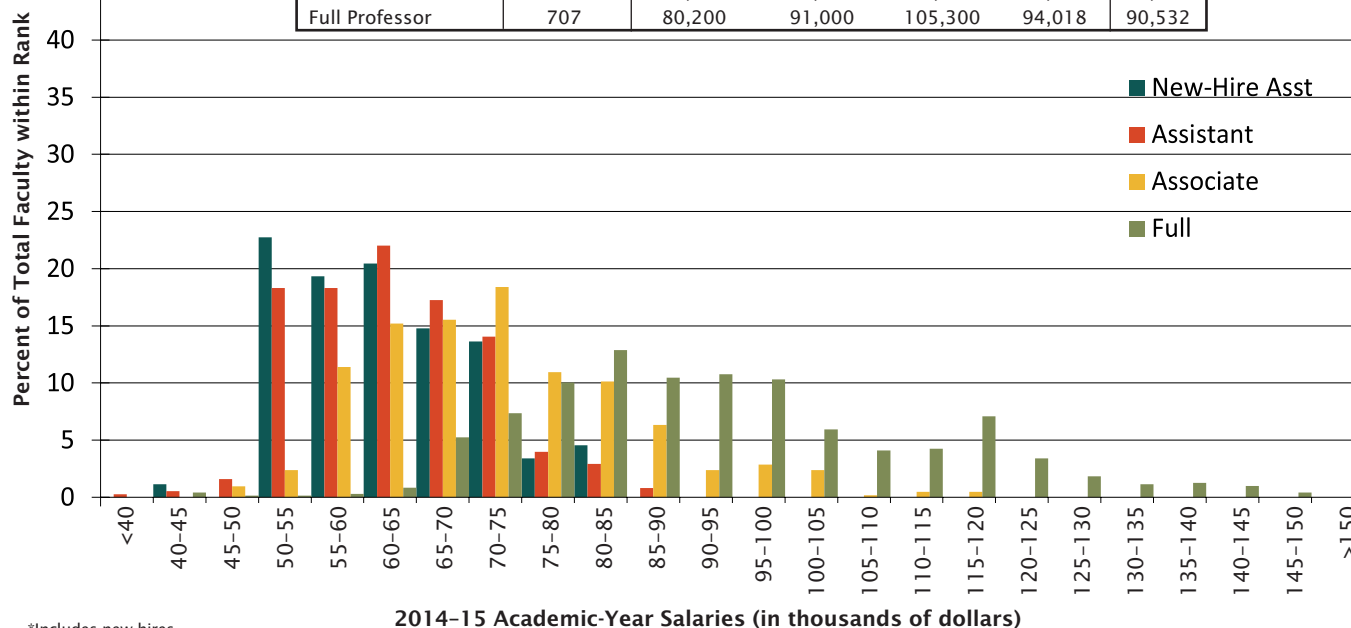
*Includes new hires.

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

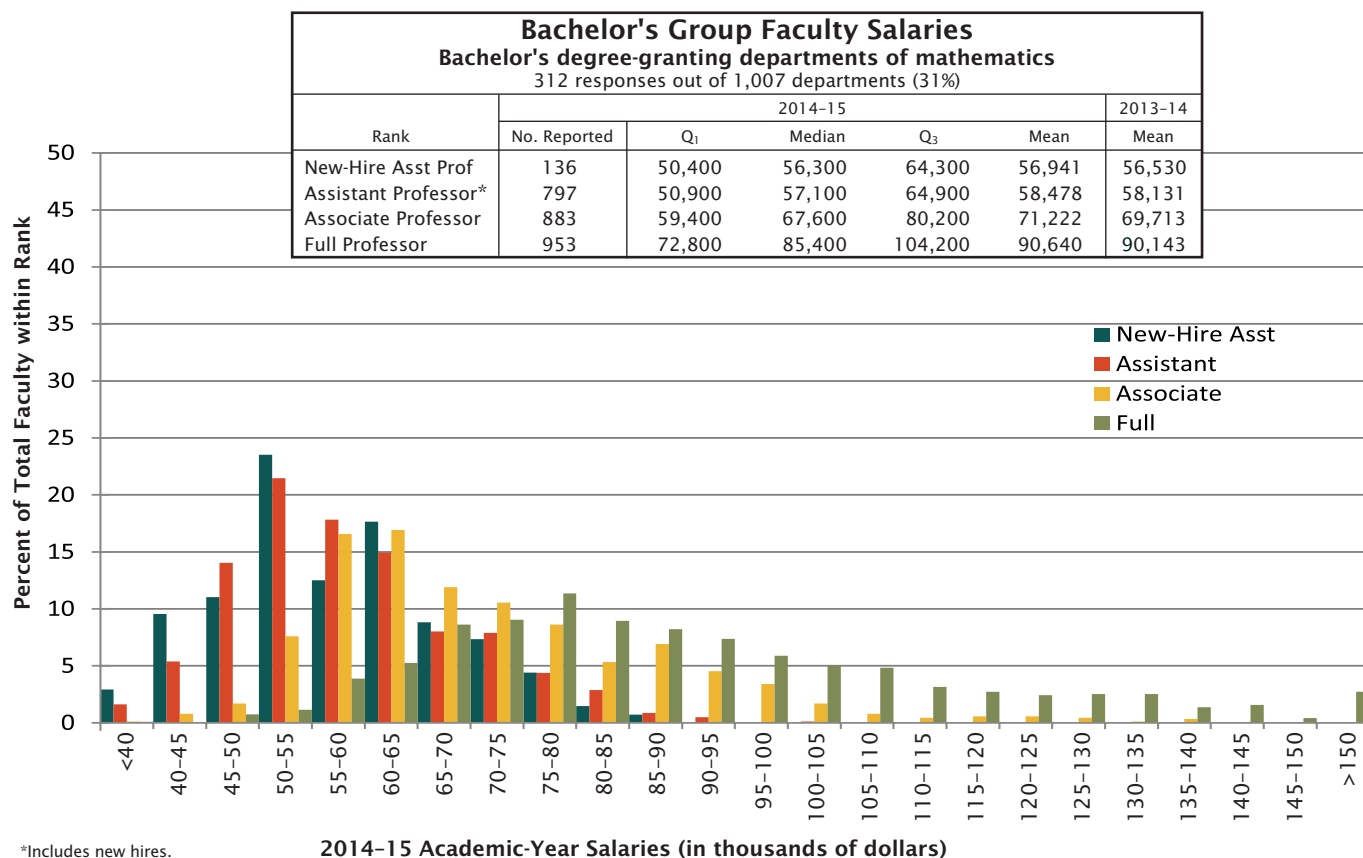
Biostatistics Group Faculty Salaries**						
Doctoral degree-granting departments of biostatistics						
11 responses out of 43 departments (26%)						
Rank	2014-15					2013-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	5	73,800	86,700	91,300	83,785	-
Assistant Professor*	52	80,700	86,900	93,000	87,233	92,643
Associate Professor	44	92,900	102,900	113,500	103,552	108,645
Full Professor	85	136,300	157,000	186,300	165,563	171,744



Master's Group Faculty Salaries						
Master's degree-granting departments of mathematics						
95 responses out of 177 departments (54%)						
Rank	2014-14					2013-14
	No. Reported	Q ₁	Median	Q ₃	Mean	Mean
New-Hire Asst Prof	88	55,400	61,700	68,800	62,230	59,810
Assistant Professor*	377	56,200	62,500	69,100	62,527	60,331
Associate Professor	631	63,400	71,200	80,200	72,622	70,515
Full Professor	707	80,200	91,000	105,300	94,018	90,532



*Includes new hires.
 **Faculty salary data provided by the American Statistical Association.



Departmental Groupings

Starting with reports on the 2012 AMS-ASA-IMS-MAA-SIAM Annual Survey of the Mathematical Sciences, the Joint Data Committee has implemented a new method for grouping the 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 this period. Furthermore, doctorate-granting departments which self-classify their PhD program as being in applied mathematics will join with the other applied mathematics departments previously in Group Va to form their own group. The former Group IV will be divided into two groups, one for departments in statistics and one for departments in biostatistics.

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/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.

Group Masters contains US departments granting a master's degree as the highest graduate degree.

Group Bachelors contains US departments granting a baccalaureate degree only.

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

See how the salaries of your department's tenured/tenure-track faculty compare to those in similar departments. The only requirement is that your department must have responded to our latest Faculty Salary 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. The current members of this committee are, David Cox, Charles Epstein, Amanda Golbeck, Loek Helminck, Abbe H. Herzig, Ellen Kirkman, Patti Lock, Nate Ritchey, James W. Maxwell (ex officio), William Yslas Vélez (chair) and Edward Waymire. The committee is assisted by AMS survey analyst Colleen A. Rose. In addition, the Annual Survey is sponsored by the Institute of Mathematical Statistics. Comments or suggestions regarding this Survey Report may be emailed to the committee at ams-survey@ams.org.