

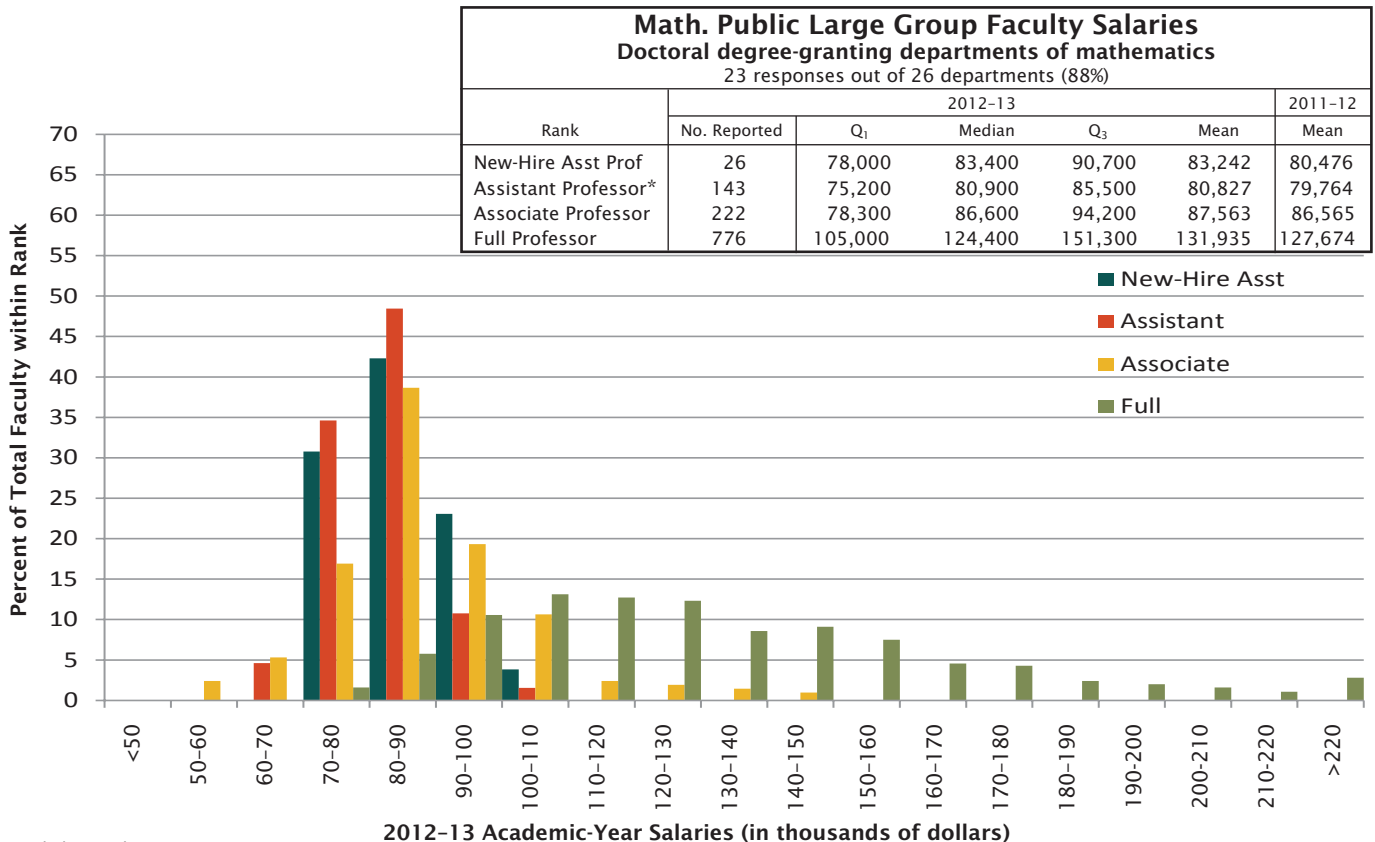
# 2012-2013 Faculty Salaries Report Corrected

*Richard Cleary, James W. Maxwell, and Colleen Rose*

This report provides information on the distribution of 2012–2013 academic-year salaries for tenured and tenure-track faculty at four-year mathematical sciences departments in the U.S. by the departmental groupings used in the Annual Survey. (See page 431 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 which 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 2012–2013 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.

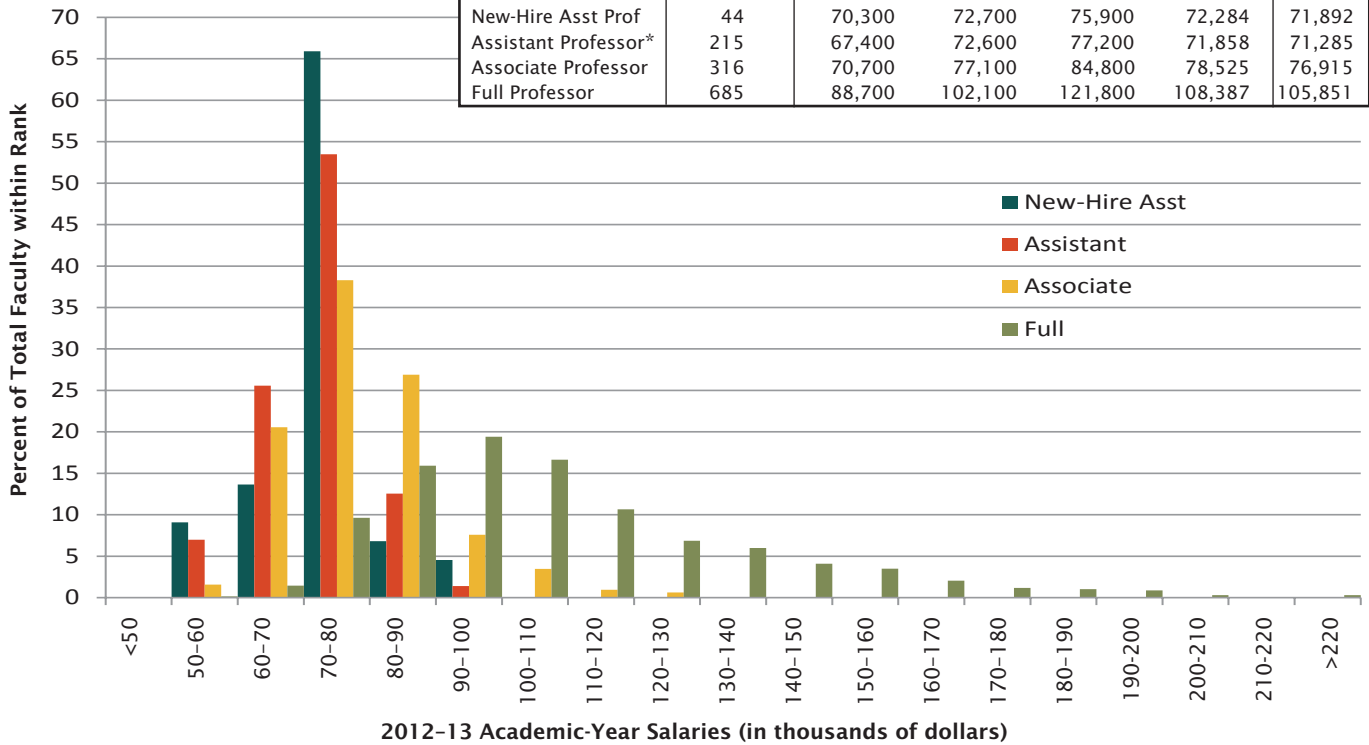
When comparing current and prior year figures, one should keep in mind that differences in the set of responding departments may be one of the most important factors in the change in the reported mean salaries. Note this report uses the new groupings of doctoral-granting mathematics departments recently adopted by the Joint Data Committee. Additional detail is provided on page 431.



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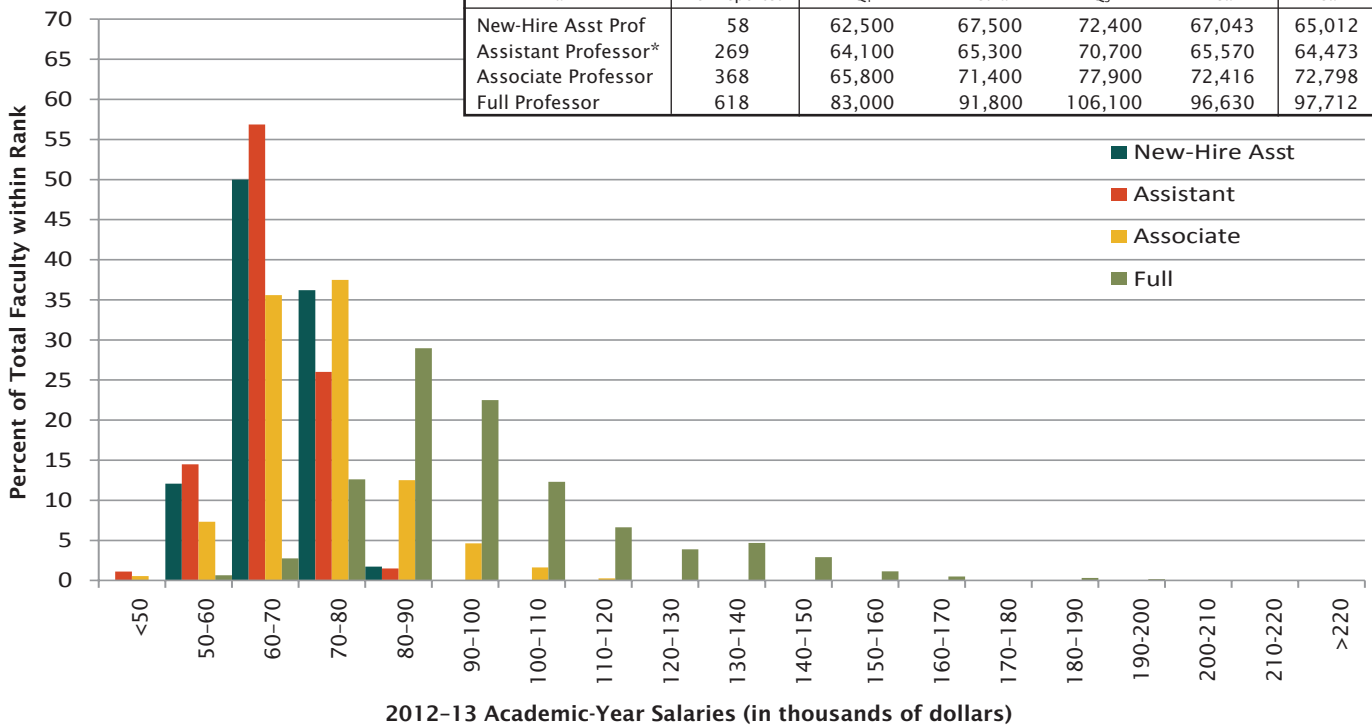
**Math. Public Medium Group Faculty Salaries**  
**Doctoral degree-granting departments of mathematics**  
 36 responses out of 40 departments (90%)

Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	44	70,300	72,700	75,900	72,284	71,892
Assistant Professor*	215	67,400	72,600	77,200	71,858	71,285
Associate Professor	316	70,700	77,100	84,800	78,525	76,915
Full Professor	685	88,700	102,100	121,800	108,387	105,851



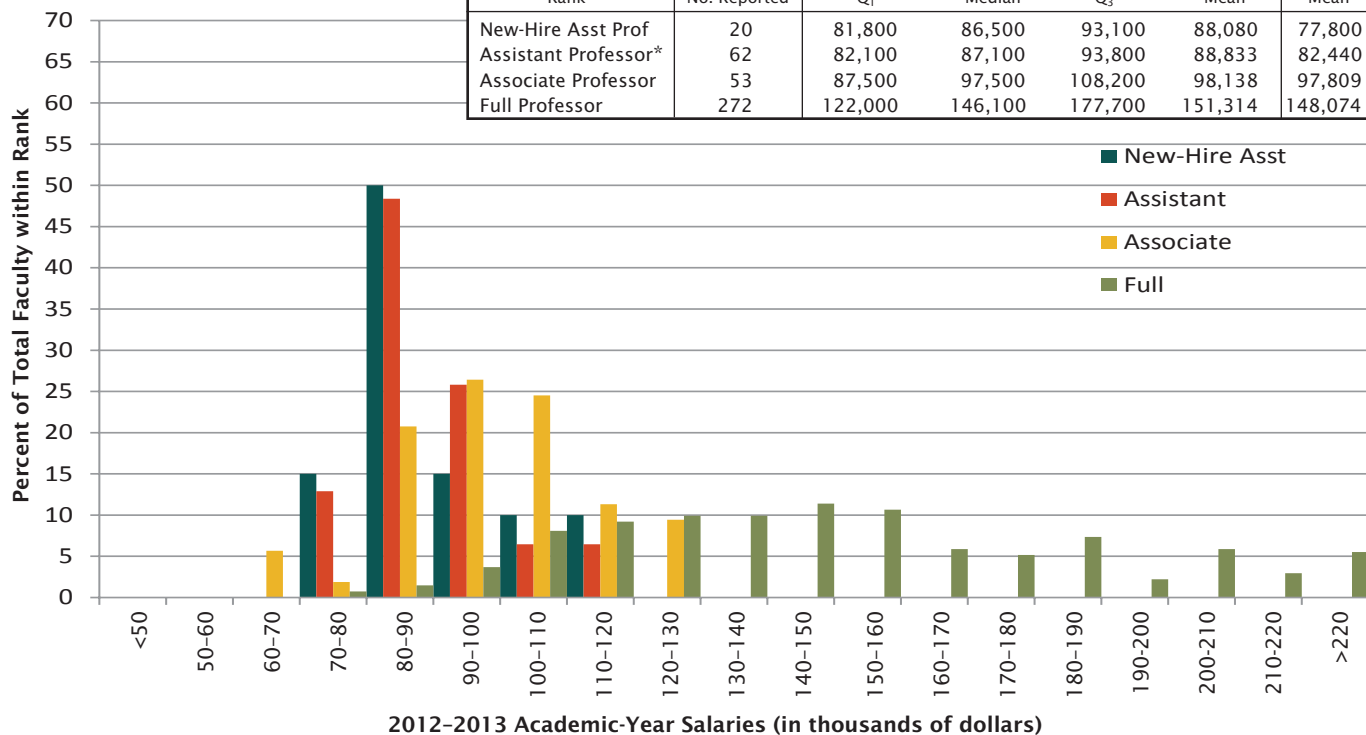
**Math. Public Small Group Faculty Salaries**  
**Doctoral degree-granting departments of mathematics**  
 54 responses out of 64 departments (84%)

Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	58	62,500	67,500	72,400	67,043	65,012
Assistant Professor*	269	64,100	65,300	70,700	65,570	64,473
Associate Professor	368	65,800	71,400	77,900	72,416	72,798
Full Professor	618	83,000	91,800	106,100	96,630	97,712

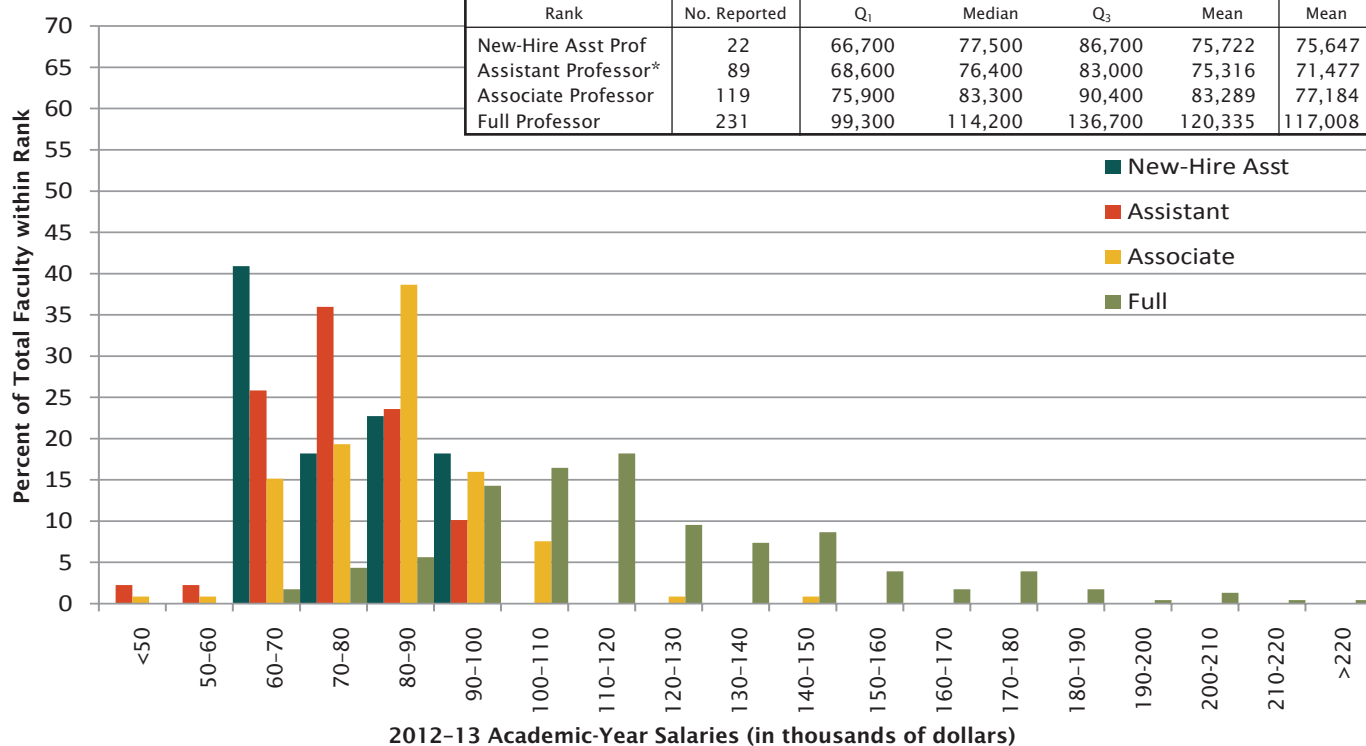


\*Includes new hires.

Math. Private Large Group Faculty Salaries						
Doctoral degree-granting departments of mathematics						
17 responses out of 24 departments (71%)						
Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	20	81,800	86,500	93,100	88,080	77,800
Assistant Professor*	62	82,100	87,100	93,800	88,833	82,440
Associate Professor	53	87,500	97,500	108,200	98,138	97,809
Full Professor	272	122,000	146,100	177,700	151,314	148,074

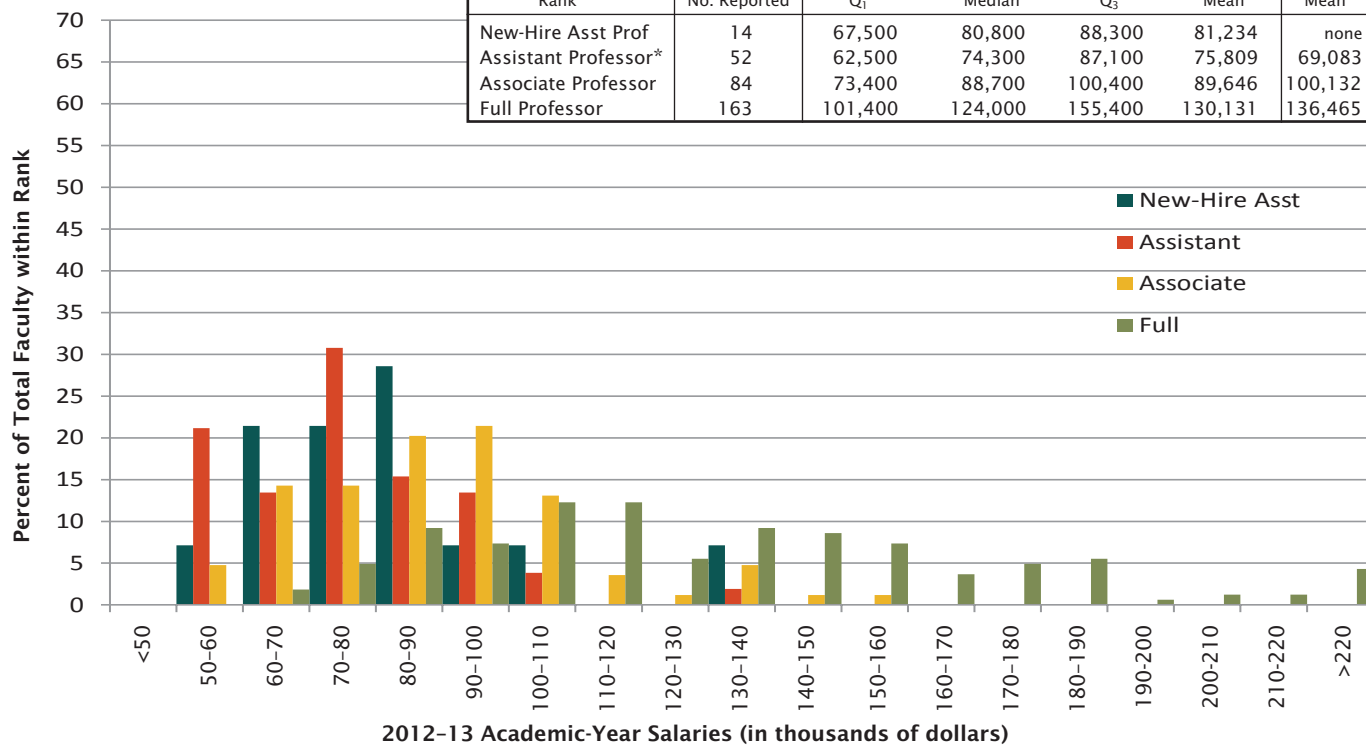


Math. Private Small Group Faculty Salaries						
Doctoral degree-granting departments of mathematics						
23 responses out of 28 departments (82%)						
Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	22	66,700	77,500	86,700	75,722	75,647
Assistant Professor*	89	68,600	76,400	83,000	75,316	71,477
Associate Professor	119	75,900	83,300	90,400	83,289	77,184
Full Professor	231	99,300	114,200	136,700	120,335	117,008

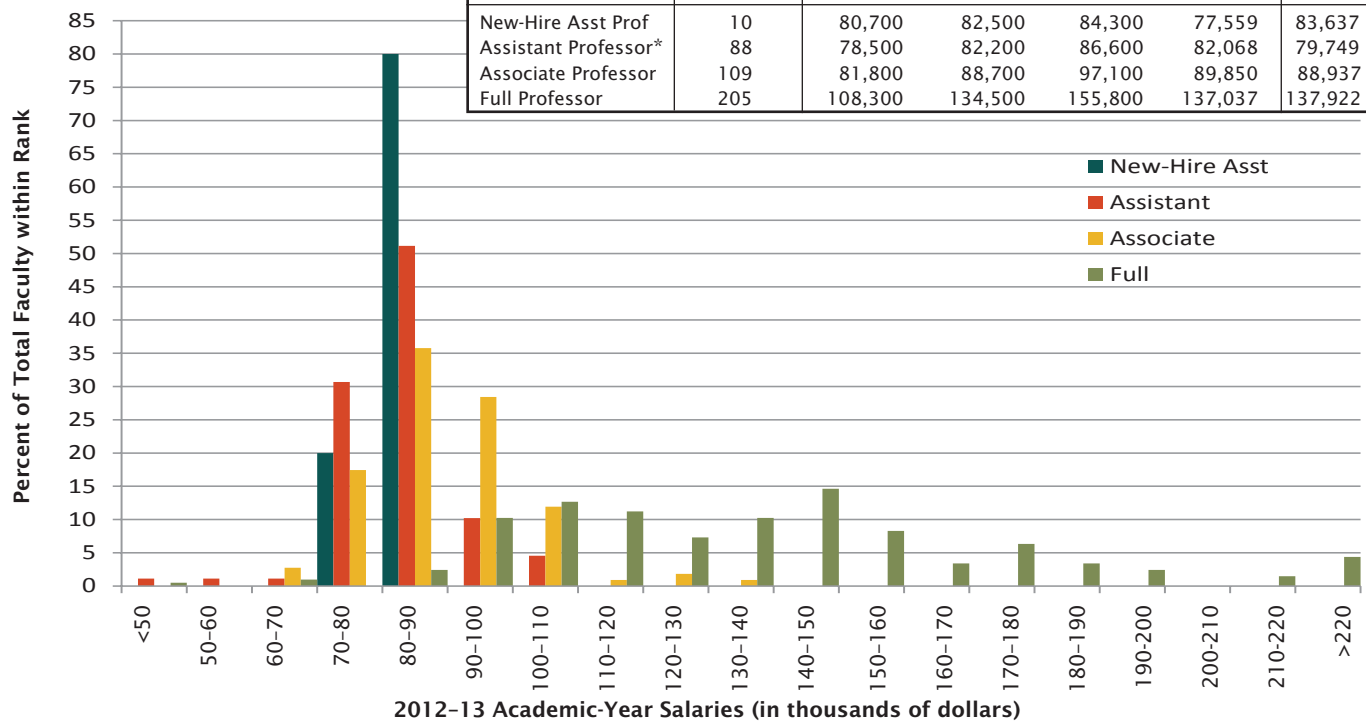


\*Includes new hires.

Applied Mathematics Group Faculty Salaries						
Doctoral degree-granting departments of Applied Mathematics						
19 responses out of 30 departments (63%)						
Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	14	67,500	80,800	88,300	81,234	none
Assistant Professor*	52	62,500	74,300	87,100	75,809	69,083
Associate Professor	84	73,400	88,700	100,400	89,646	100,132
Full Professor	163	101,400	124,000	155,400	130,131	136,465



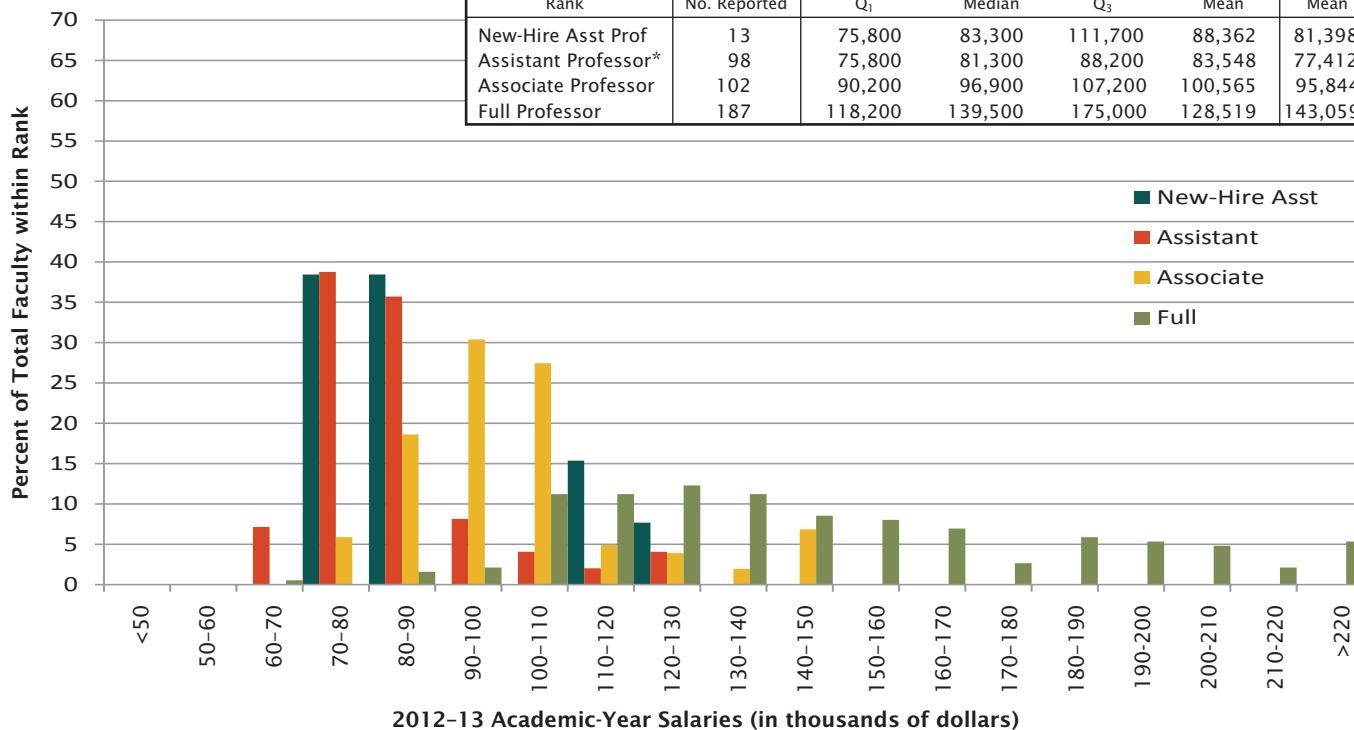
Statistics Group Faculty Salaries**						
Doctoral degree-granting departments of statistics						
26 responses out of 58 departments (44%)						
Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	10	80,700	82,500	84,300	77,559	83,637
Assistant Professor*	88	78,500	82,200	86,600	82,068	79,749
Associate Professor	109	81,800	88,700	97,100	89,850	88,937
Full Professor	205	108,300	134,500	155,800	137,037	137,922



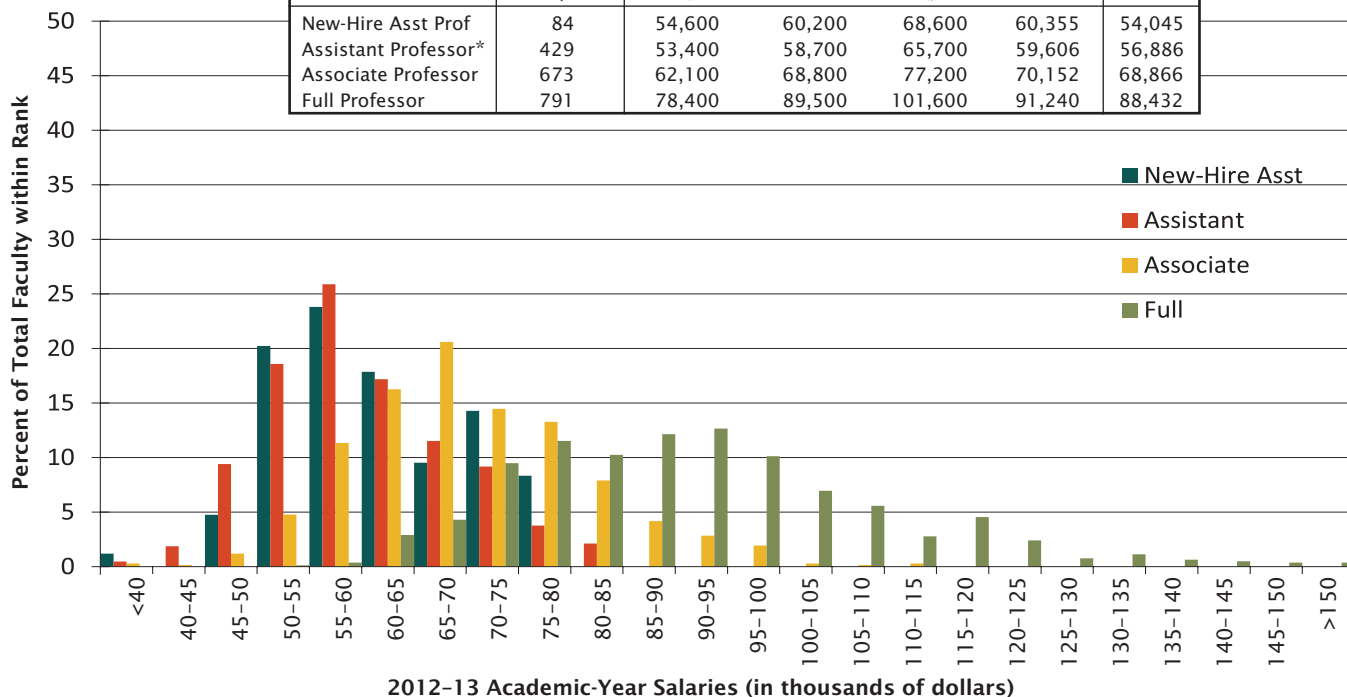
\*Includes new hires.

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

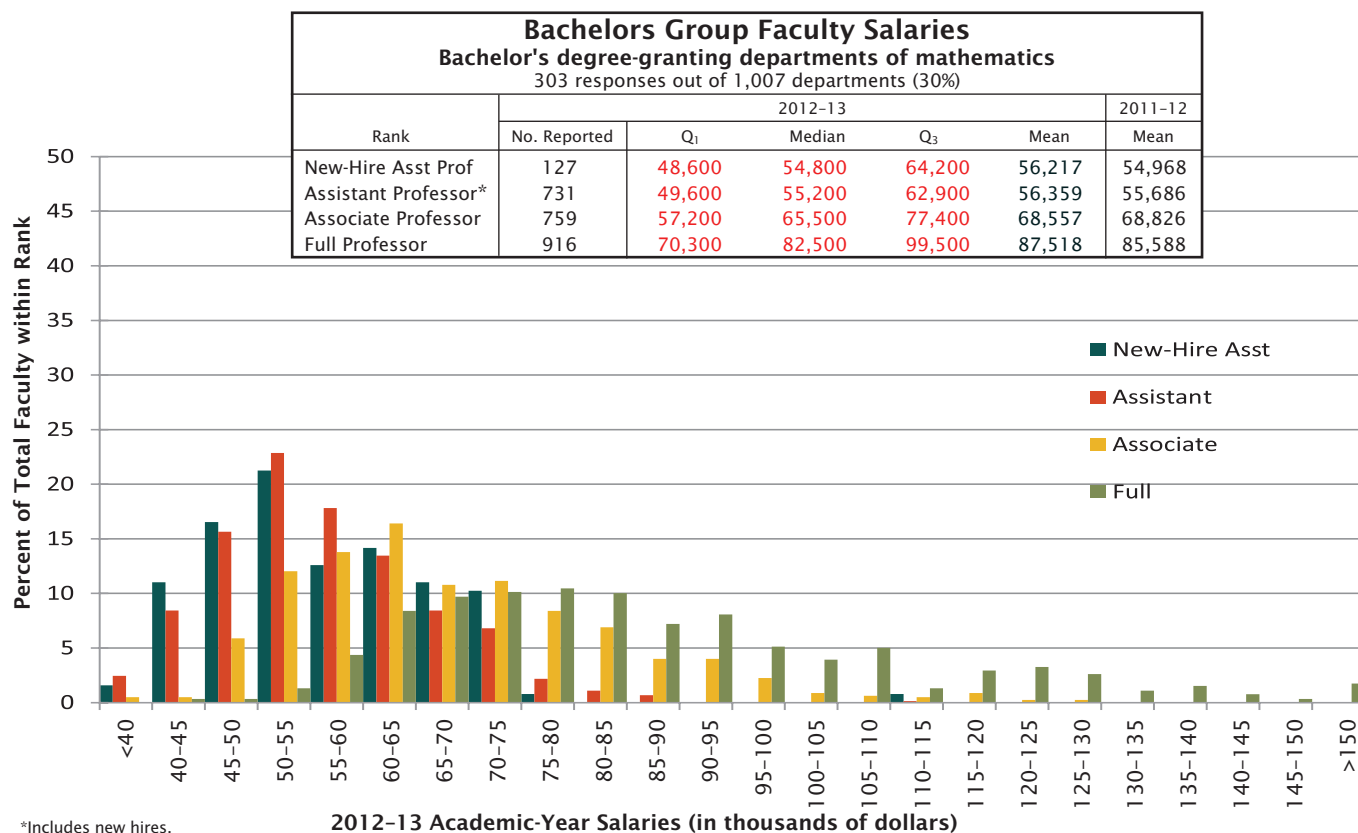
Biostatistics Group Faculty Salaries**						
Doctoral degree-granting departments of biostatistics						
20 responses out of 35 departments (56%)						
Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	13	75,800	83,300	111,700	88,362	81,398
Assistant Professor*	98	75,800	81,300	88,200	83,548	77,412
Associate Professor	102	90,200	96,900	107,200	100,565	95,844
Full Professor	187	118,200	139,500	175,000	128,519	143,059



Masters Group Faculty Salaries						
Master's degree-granting departments of mathematics						
104 responses out of 180 departments (58%)						
Rank	2012-13					2011-12
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	84	54,600	60,200	68,600	60,355	54,045
Assistant Professor*	429	53,400	58,700	65,700	59,606	56,886
Associate Professor	673	62,100	68,800	77,200	70,152	68,866
Full Professor	791	78,400	89,500	101,600	91,240	88,432



\*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 Ph.D.'s awarded between 2000 and 2010, based on their reports to the Annual Survey during this period. Furthermore, doctorate-granting departments which self-classify their Ph.D. 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 <http://www.ams.org/notices/201209/rtx120901262p.pdf>.

**Math. Public Large** consists of departments with the highest annual rate of production of Ph.D.'s, with at least 7.0 per year.

**Math. Public Medium** consists of departments with an annual rate of production of Ph.D.'s, ranging between 3.9 and 6.9 per year.

**Math. Public Small** consists of departments with an annual rate of production of Ph.D.'s, with 3.8 per year or fewer.

**Math. Private Large** consists of departments with an annual rate of production of Ph.D.'s, with at least 3.9 per year.

**Math. Private Small** consists of departments with an annual rate of production of Ph.D.'s, with 3.8 per year or fewer.

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

**Statistics** consists of doctoral degree granting statistics departments.

**Biostatistics** consists of doctoral granting biostatistics departments.

**Group M** contains U.S. departments granting a master's degree as the highest graduate degree.

**Group B** contains U.S. departments granting a baccalaureate degree only.

Listings of the actual departments which compose these groups are available on the AMS website at [www.ams.org/annual-survey/groups](http://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](mailto:ams-survey@ams.org) along with the date 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 with along 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.

### Acknowledgments

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 Pam Arroway, Richard Cleary (chair), Steven R. Dunbar, Sue Geller, Boris Hasselblatt, Ellen Kirkman, Peter March, David R. Morrison, James W. Maxwell (ex officio), Bart S. Ng, and William Velez. 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](mailto:ams-survey@ams.org).