

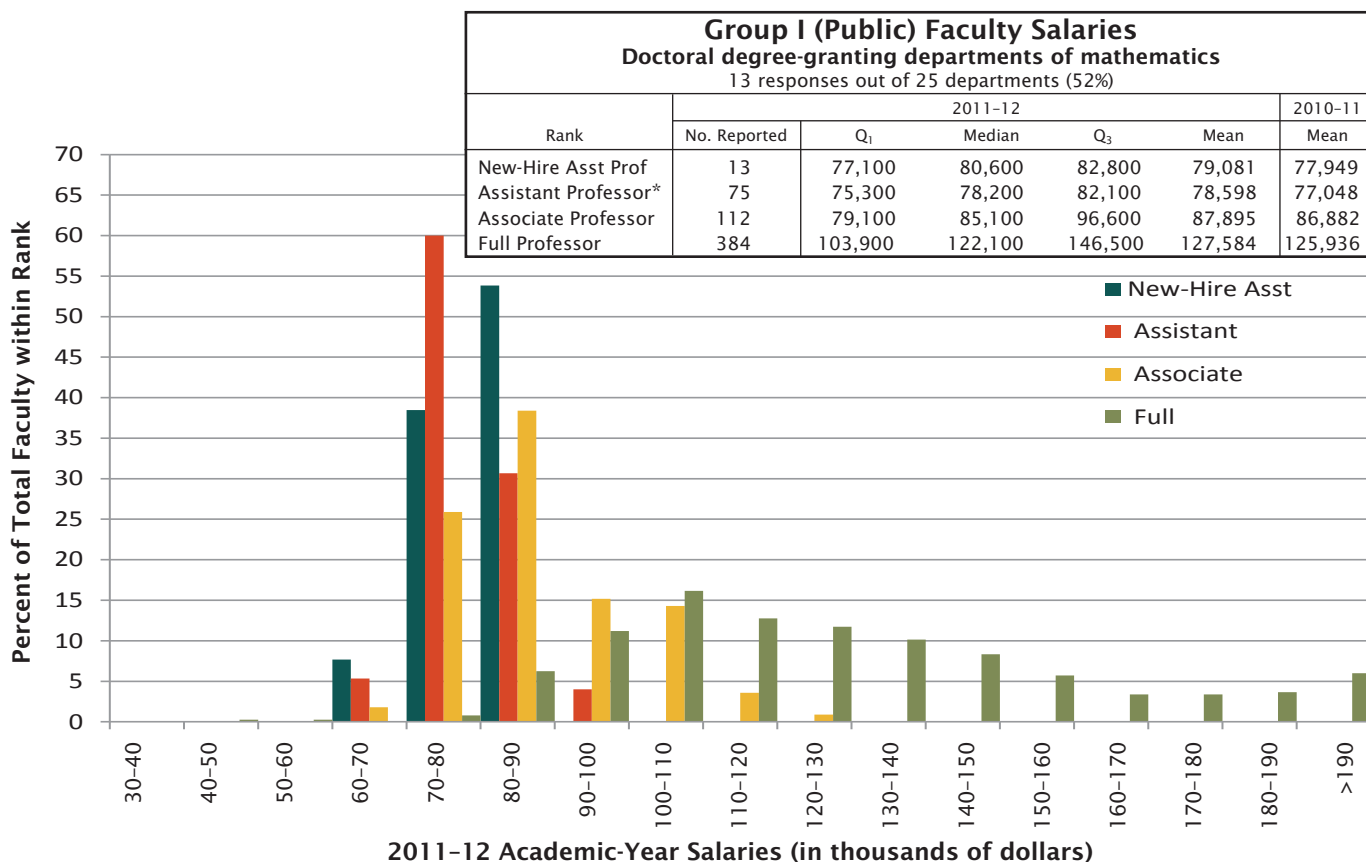
# 2011-2012 Faculty Salaries Report

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

This report provides information on the distribution of 2011–2012 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 415 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 2011–2012 academic-year salaries fell within given salary intervals. Reporting salary data in this fashion eliminates some of the concerns about confidentiality but does not permit determination of actual quartiles. The quartiles reported have been estimated assuming that the density over each interval is uniform.

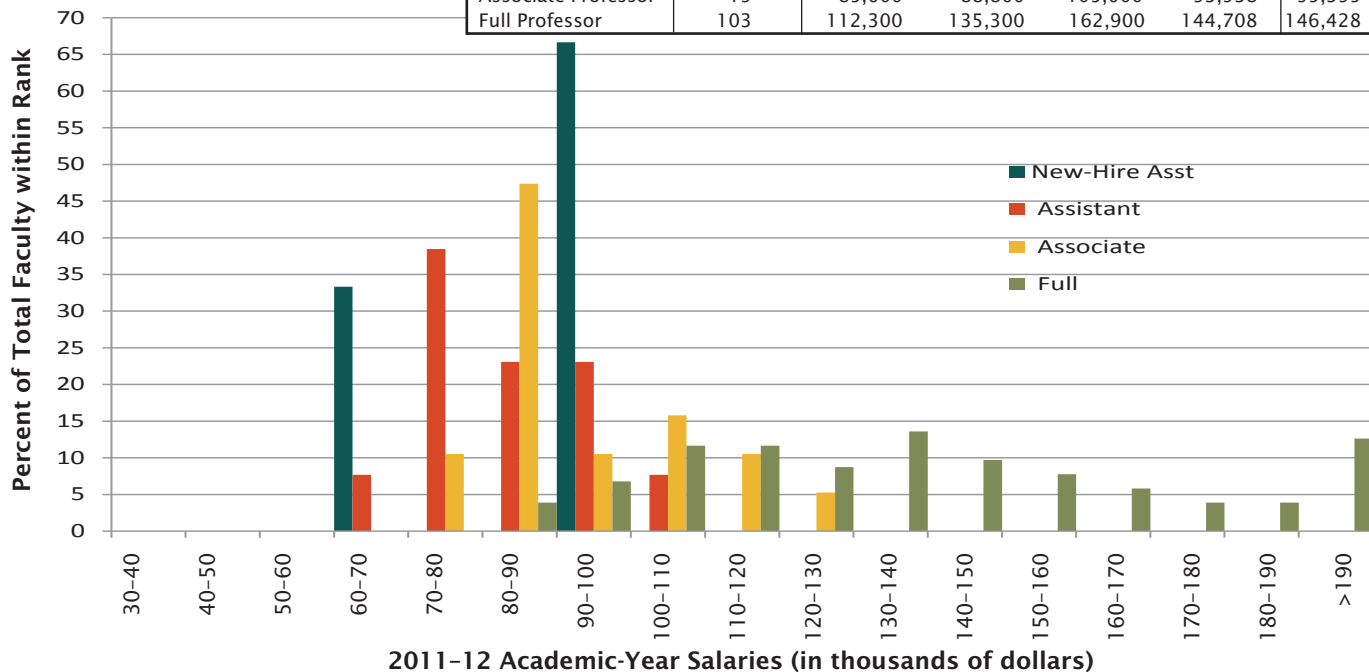
When comparing current and prior year figures, one should keep in mind that differences in the set of responding departments may be one of the most important factors in the change in the reported mean salaries.



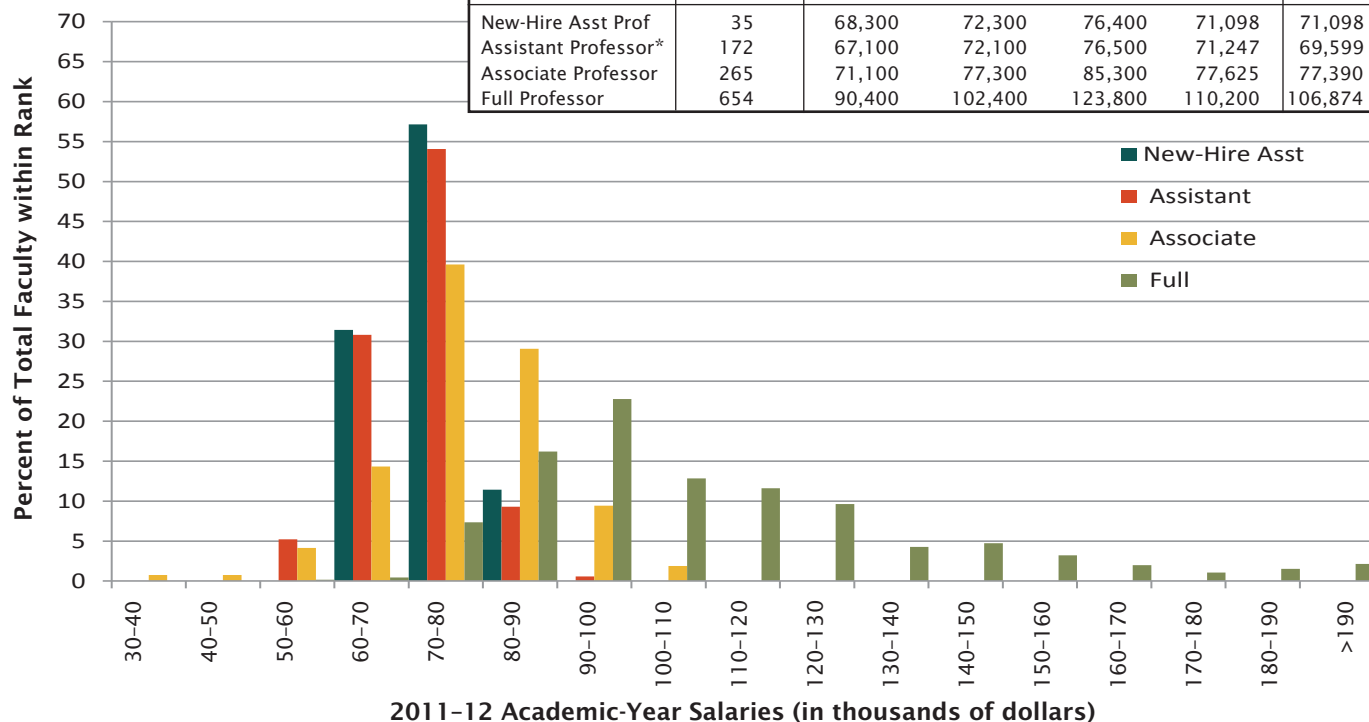
\*Includes new hires.

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Group I (Private) Faculty Salaries							
Doctoral degree-granting departments of mathematics							
5 responses out of 23 departments (22%)							
Rank	2011-12					2010-11	
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean	
New-Hire Asst Prof	3	Too few to report					
Assistant Professor*	13	76,500	81,700	91,900	83,528	76,571	
Associate Professor	19	85,600	88,800	105,000	93,938	95,395	
Full Professor	103	112,300	135,300	162,900	144,708	146,428	

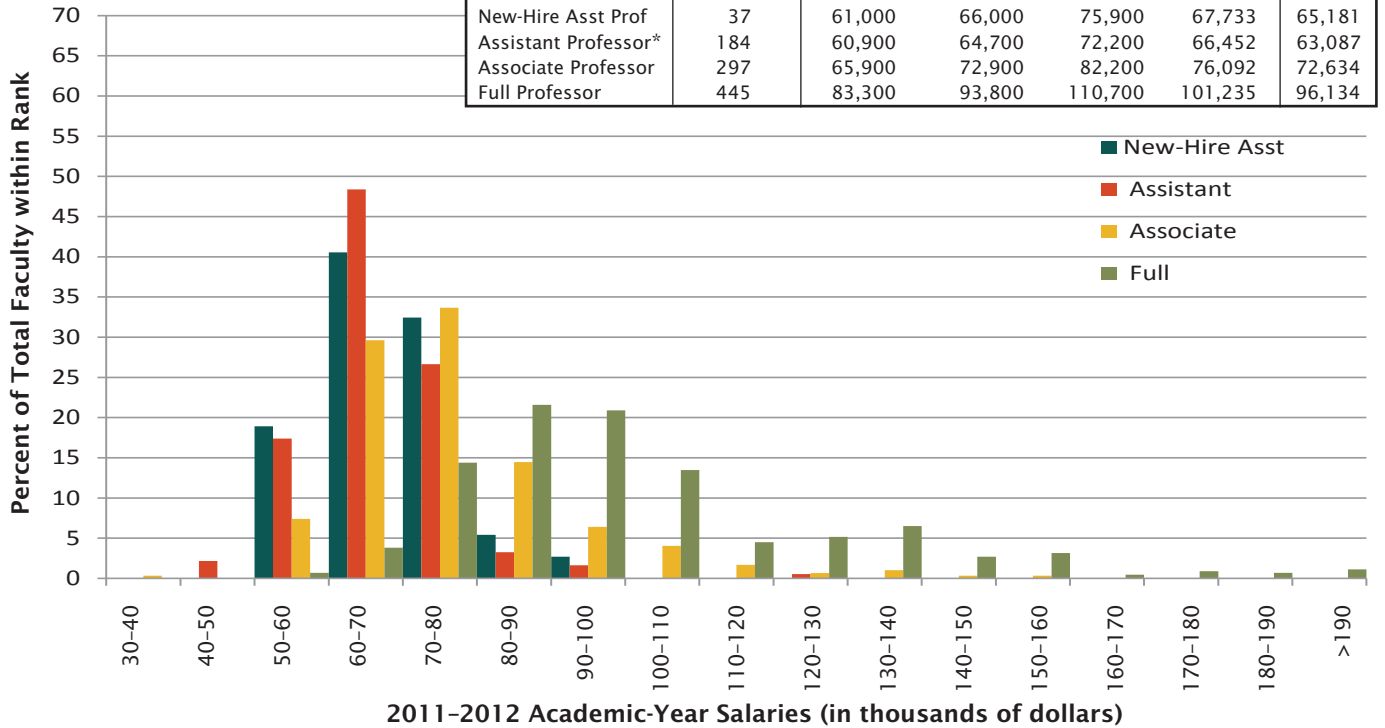


Group II Faculty Salaries						
Doctoral degree-granting departments of mathematics						
33 responses out of 56 departments (59%)						
Rank	2011-12					2010-11
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	35	68,300	72,300	76,400	71,098	71,098
Assistant Professor*	172	67,100	72,100	76,500	71,247	69,599
Associate Professor	265	71,100	77,300	85,300	77,625	77,390
Full Professor	654	90,400	102,400	123,800	110,200	106,874

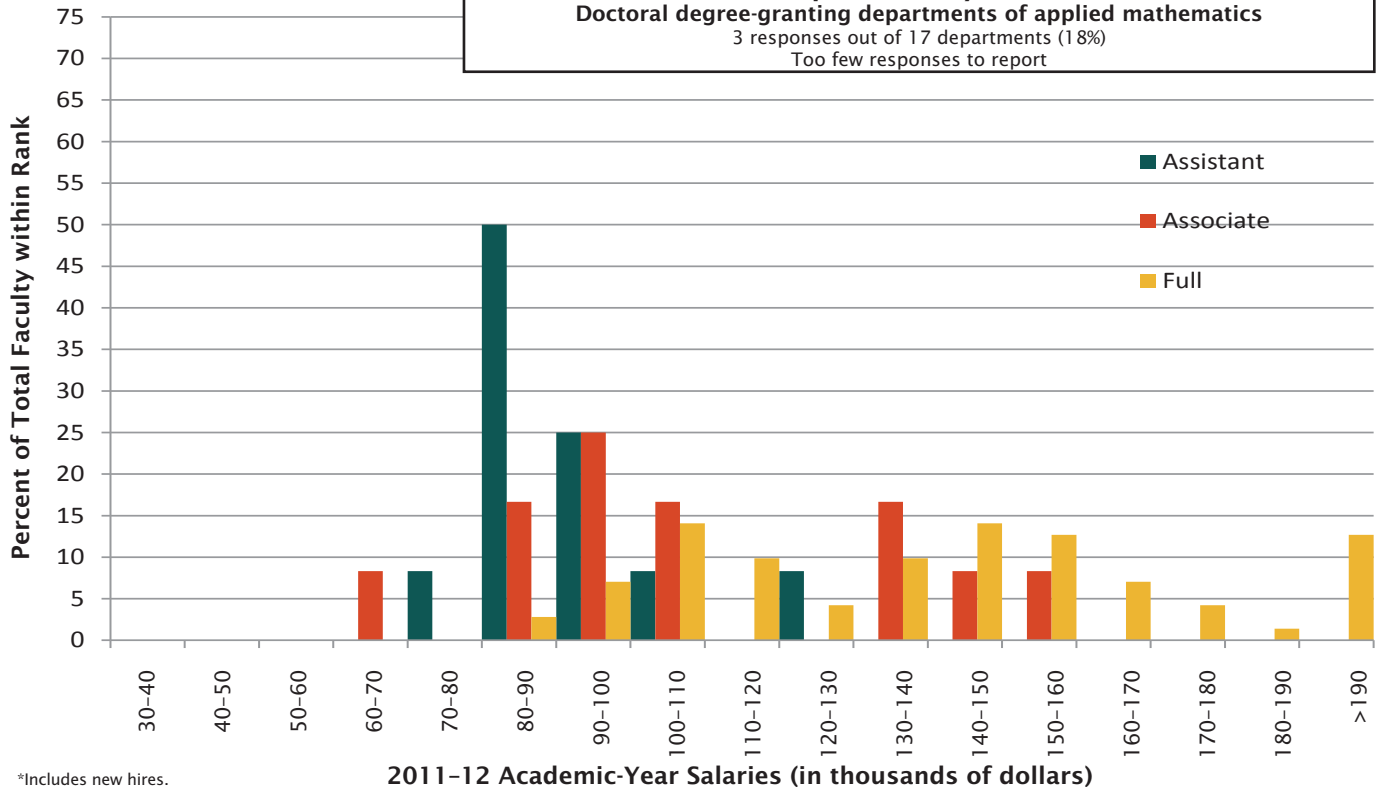


\*Includes new hires.

Group III Faculty Salaries						
Doctoral degree-granting departments of mathematics						
43 responses out of 80 departments (54%)						
Rank	2011-12					2010-11
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	37	61,000	66,000	75,900	67,733	65,181
Assistant Professor*	184	60,900	64,700	72,200	66,452	63,087
Associate Professor	297	65,900	72,900	82,200	76,092	72,634
Full Professor	445	83,300	93,800	110,700	101,235	96,134

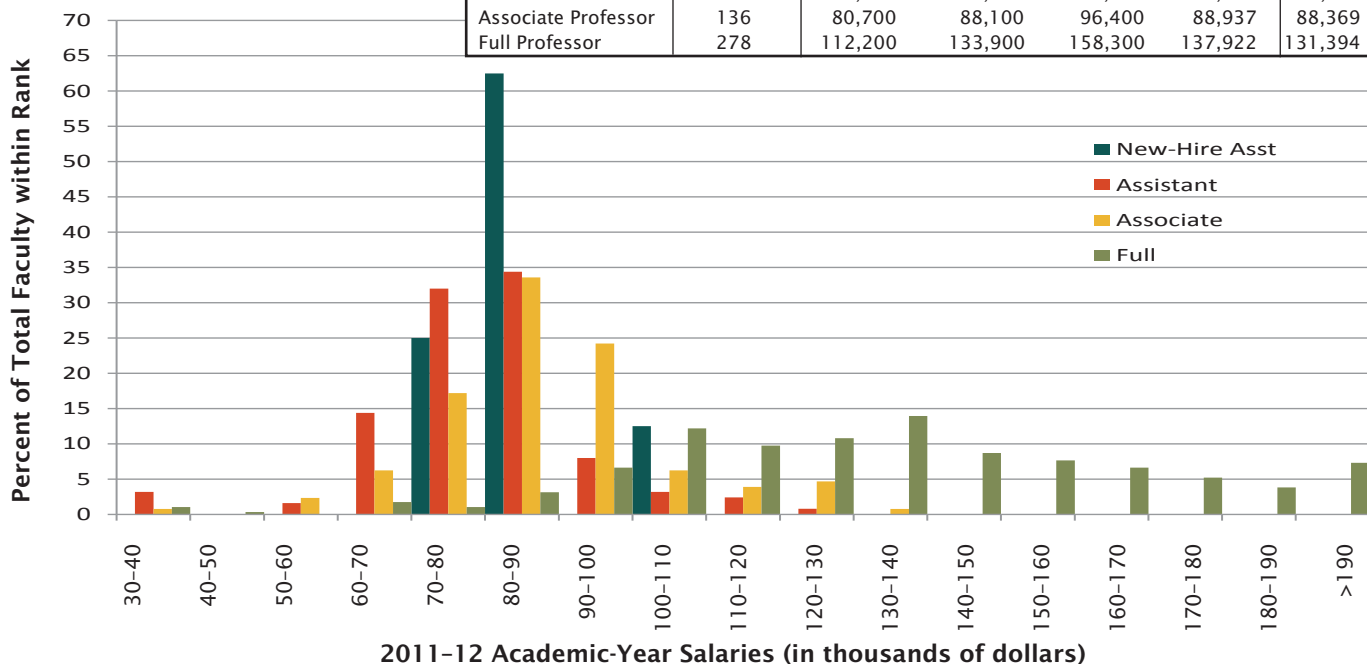


Group Va Faculty Salaries	
Doctoral degree-granting departments of applied mathematics	
3 responses out of 17 departments (18%)	
Too few responses to report	

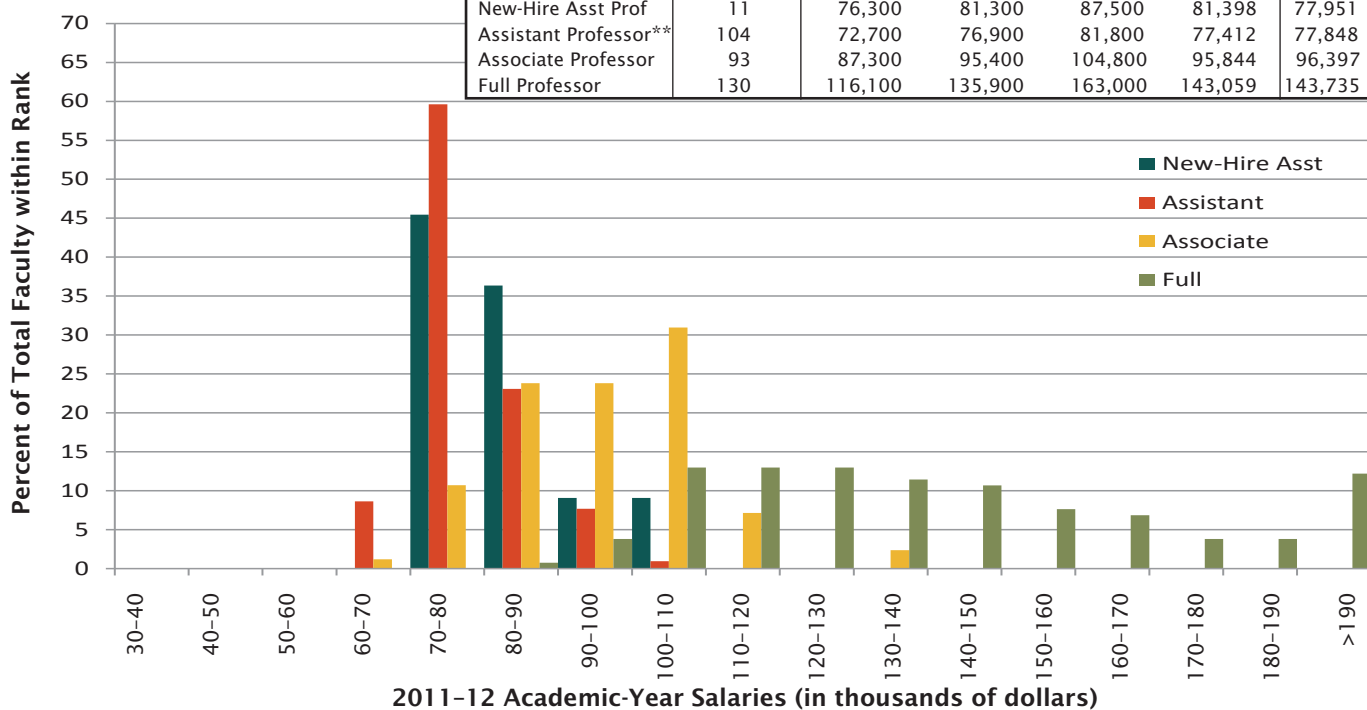


\*Includes new hires.

Group IV Statistics Faculty Salaries*							
Doctoral degree-granting departments of statistics							
35 responses out of 57 departments (61%)							
Rank	2011-12					2010-11	
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean	
New-Hire Asst Prof	8	Too few to report					
Assistant Professor**	115	74,500	80,200	85,400	79,749	77,847	
Associate Professor	136	80,700	88,100	96,400	88,937	88,369	
Full Professor	278	112,200	133,900	158,300	137,922	131,394	



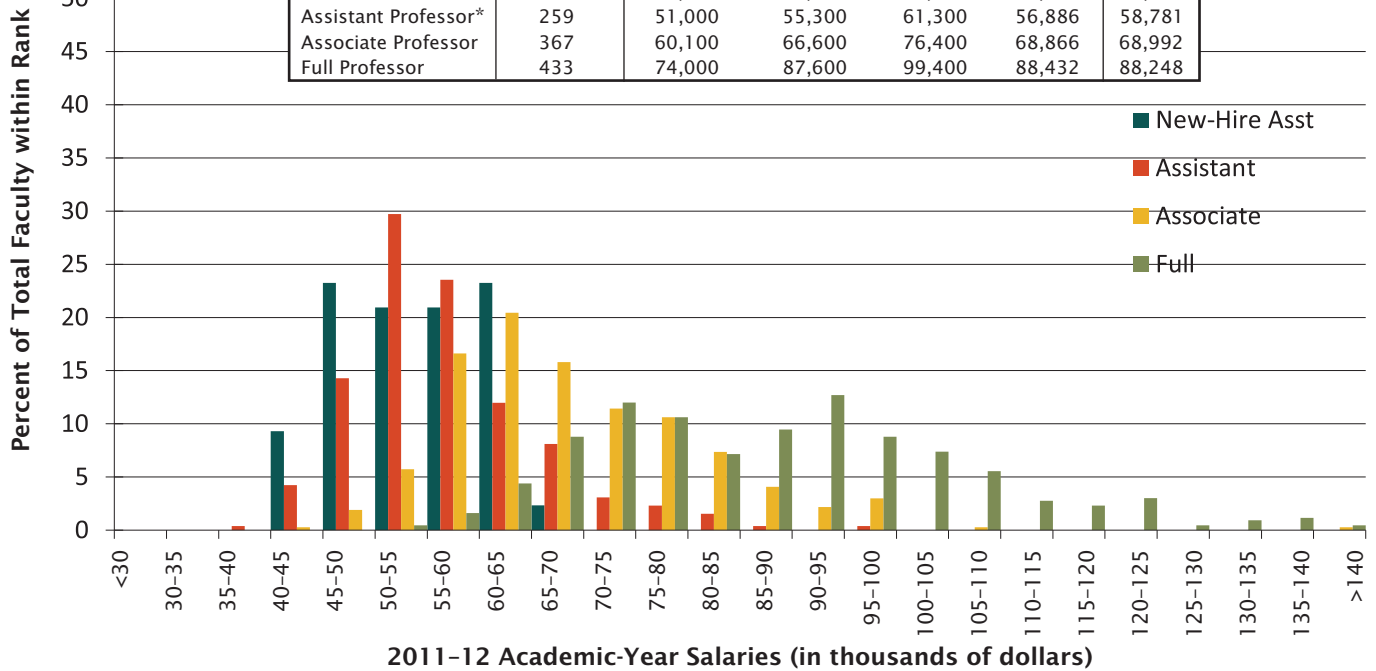
Group IV Biostatistics Faculty Salaries*						
Doctoral degree-granting departments of biostatistics						
19 responses out of 35 departments (54%)						
Rank	2011-12					2010-11
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	11	76,300	81,300	87,500	81,398	77,951
Assistant Professor**	104	72,700	76,900	81,800	77,412	77,848
Associate Professor	93	87,300	95,400	104,800	95,844	96,397
Full Professor	130	116,100	135,900	163,000	143,059	143,735



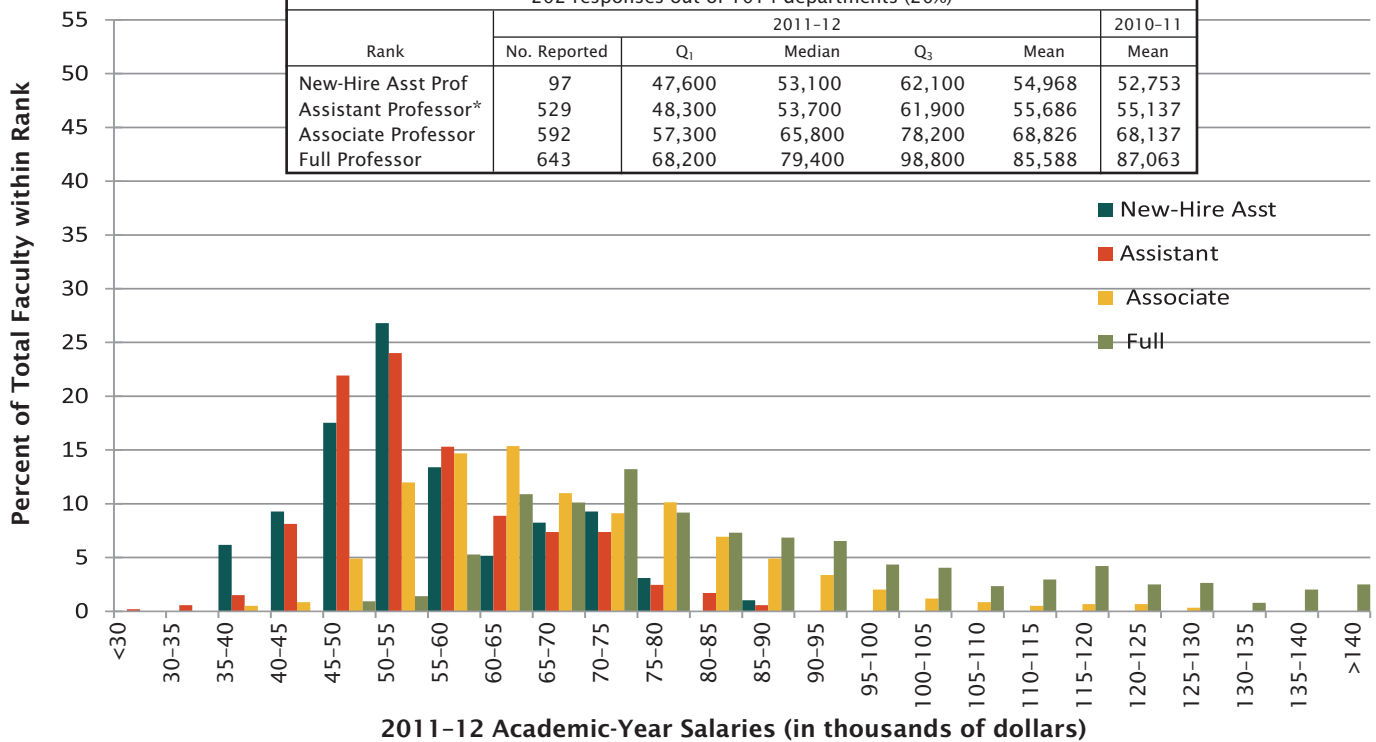
\*Faculty salary data provided by the American Statistical Association.

\*\*Includes new hires.

Group M Faculty Salaries						
Master's degree-granting departments of mathematics						
58 responses out of 177 departments (33%)						
Rank	2011-12					2010-11
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	43	48,200	54,000	60,500	54,045	58,112
Assistant Professor*	259	51,000	55,300	61,300	56,886	58,781
Associate Professor	367	60,100	66,600	76,400	68,866	68,992
Full Professor	433	74,000	87,600	99,400	88,432	88,248



Group B Faculty Salaries						
Bachelor's degree-granting departments of mathematics						
202 responses out of 1014 departments (20%)						
Rank	2011-12					2010-11
	No. Reported	Q <sub>1</sub>	Median	Q <sub>3</sub>	Mean	Mean
New-Hire Asst Prof	97	47,600	53,100	62,100	54,968	52,753
Assistant Professor*	529	48,300	53,700	61,900	55,686	55,137
Associate Professor	592	57,300	65,800	78,200	68,826	68,137
Full Professor	643	68,200	79,400	98,800	85,588	87,063



\*Includes new hires.

## Other Information

### 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.

### 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.

### Previous Annual Survey Reports

The 2010 Report on New Doctoral Recipients, Faculty Salaries, Academic Recruitment and Hiring, and the Departmental Profile Survey Reports were published in the *Notices of the AMS* in the February, August, May 2011, and February 2012 issues respectively. These reports and earlier reports, as well as a wealth of other information from these surveys, are available on the AMS website at [www.ams.org/annual-survey/survey-reports](http://www.ams.org/annual-survey/survey-reports).

### Group Descriptions

**Group I** is composed of 48 departments with scores in the 3.00–5.00 range. Group I Public and Group I Private are Group I departments at public institutions and private institutions, respectively.

**Group II** is composed of 56 departments with scores in the 2.00–2.99 range.

**Group III** contains the remaining U.S. departments reporting a doctoral program, including a number of departments not included in the 1995 ranking of program faculty.

**Group IV** contains U.S. departments (or programs) of statistics, biostatistics, and biometrics reporting a doctoral program.

**Group V** contains U.S. departments (or programs) in applied mathematics/applied science, operations research, and management science which report a doctoral program.

**Group Va** is applied mathematics/applied science.

**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\\_des](http://www.ams.org/annual-survey/groups_des).

### Other Sources of Data

Visit the AMS website at [www.ams.org/annual-survey/other-sources](http://www.ams.org/annual-survey/other-sources) for a listing of additional sources of data on the Mathematical Sciences.

### 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, Susan Geller, Boris Hasselblatt, Abbe H. Herzig, Ellen Kirkman, Peter March, David R. Morrison, James W. Maxwell (ex officio), and Bart S. Ng. 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 directed to the committee.