

Starting Salary Survey of the 2006–2007 Doctoral Recipients

The starting salary figures for 2007 were compiled from information gathered on the EENDR questionnaires sent to individuals who received doctoral degrees in the mathematical sciences during the 2006–2007 academic year from universities in the United States (see previous section for more details).

The questionnaires were distributed to 1,157 recipients of degrees using addresses provided by the departments granting the degrees; 547 individuals responded between late October and April. Responses with insufficient data or from individuals who indicated they had part-time or non-U.S. employment were excluded. Numbers of usable responses for each salary category are reported in the following tables.

Readers should be warned that the data in this report are obtained from a self-selected sample, and inferences from them may not be representative of the population.

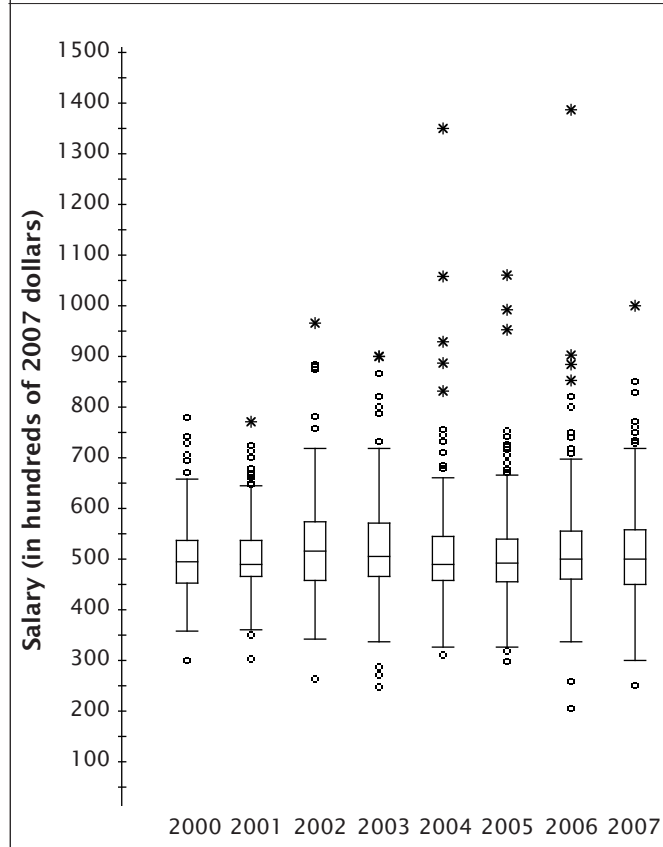
Key to Tables and Graphs. Salaries are those reported for the fall immediately following the survey cycle. Years listed denote the survey cycle in which the doctorate was received—for example, survey cycle July 1, 2006–June 30, 2007, is designated as 2007. Salaries reported as 9–10 months exclude stipends for summer grants or summer teaching or the equivalent. M and F are male and female respectively. Male and female figures are not provided when the number of salaries available for analysis in a particular category was five or fewer. All categories of “Teaching/Teaching and Research” and “Research Only” contain those recipients employed at academic institutions only.

Graphs. The graphs show standard boxplots summarizing salary distribution information for the years 2000 through 2007. Values plotted for 2000 through 2006 are converted to 2007 dollars using the implicit price deflator prepared annually by the Bureau of Economic Analysis, U.S. Department of Commerce. These categories are based on work activities reported in EENDR. Salaries of postdoctorates are shown separately. They are also included in other academic categories with matching work activities.

For each boxplot the box shows the first quartile (Q1), the median (M), and the third quartile (Q3). The interquartile range (IQR) is defined as $Q3 - Q1$. Think of constructing invisible fences $1.5 \times \text{IQR}$ below Q1 and $1.5 \times \text{IQR}$ above Q3. Whiskers are drawn from Q3 to the largest observation that falls below the upper invisible fence and from Q1 to the smallest observation that falls above the lower invisible fence. Think of constructing two more invisible fences, each falling $1.5 \times \text{IQR}$ above or below the existing invisible fences. Any observation that falls between the fences on each end of the boxplots is called an outlier and is plotted as \circ in the boxplots. Any observation that falls outside of both fences either above or below the box in the boxplot is called an extreme outlier and is marked as $*$ in the boxplot.

**Academic Teaching/Teaching and Research
9-10-Month Starting Salaries*
(in hundreds of dollars)**

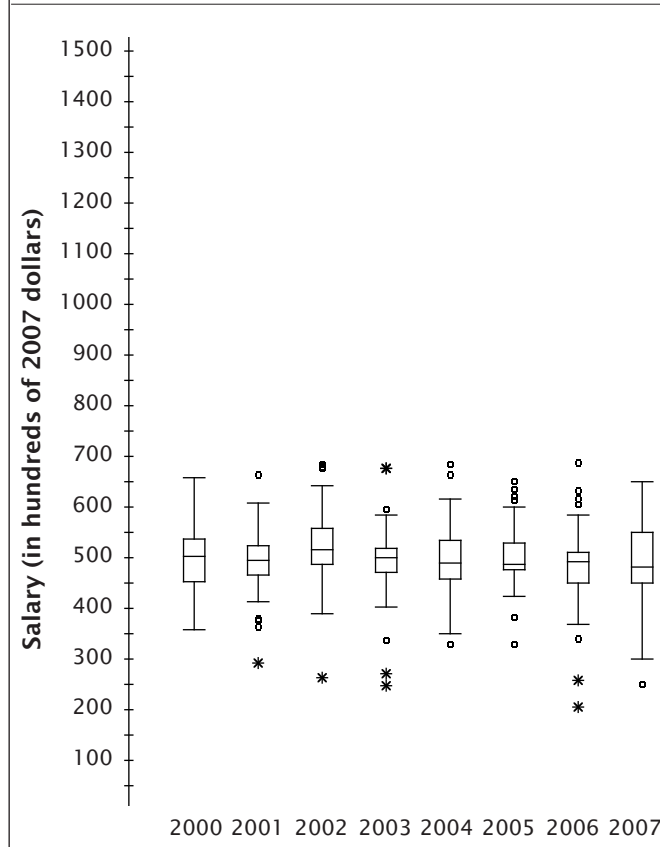
Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2007 \$
1980	105	155	171	185	250	379
1985	170	230	250	270	380	429
1990	230	305	320	350	710	469
1995	220	320	350	382	640	455
1998*	140	340	370	410	700	459
2000	250	380	415	450	650	497
2001	259	400	420	461	660	491
2002	230	400	450	500	840	517
2003	220	415	450	510	920	506
2004	285	420	450	500	1234	492
2005	280	430	465	506	1002	492
2006	200	450	490	550	1350	503
2007	250	450	500	560	1000	500
2003 M 220 420 450 509 855						
2003 F 359 414 444 512 920						
2004 M 285 420 450 490 850						
2004 F 300 421 450 500 1234						
2005 M 300 430 465 510 710						
2005 F 280 430 467 501 1002						
2006 M 200 450 499 550 880						
2006 F 270 450 480 520 1350						
Total (180 male/86 female)						
2007 M 320 450 500 558 1000						
2007 F 250 438 490 560 830						
One year or less experience (140 male/69 female)						
2007 M 320 450 500 558 850						
2007 F 250 430 470 545 830						



* Postdoctoral salaries are included from 1998 forward.

**Academic Postdoctorates Only*
9-10-Month Starting Salaries
(in hundreds of dollars)**

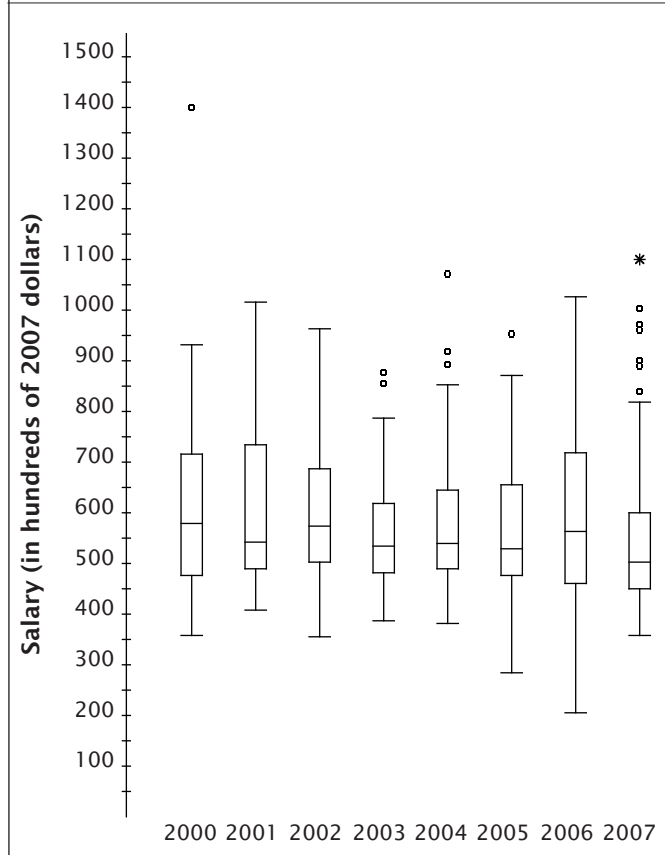
Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2007 \$
1997	180	350	385	410	450	483
1998	290	350	390	420	500	484
1999	130	365	400	418	540	489
2000	300	385	420	450	550	503
2001	250	400	425	450	566	497
2002	230	425	450	487	595	517
2003	240	420	450	480	600	506
2004	300	420	450	490	625	492
2005	310	450	460	500	615	487
2006	200	441	480	500	670	493
2007	250	450	483	550	650	483
2003 M 240 420 450 485 600						
2003 F 359 408 449 459 510						
2004 M 300 420 450 480 625						
2004 F 400 440 470 500 606						
2005 M 310 450 470 500 615						
2005 F 400 437 450 471 500						
2006 M 200 450 483 523 670						
2006 F 330 413 464 500 590						
Total (59 male/24 female)						
2007 M 360 450 490 575 650						
2007 F 250 425 470 515 650						
One year or less experience (47 male/23 female)						
2007 M 360 450 500 580 650						
2007 F 250 423 465 523 650						



* A postdoctoral appointment is a temporary position primarily intended to provide an opportunity to extend graduate training or to further research experience.

**Academic Teaching/Teaching and Research
11-12-Month Starting Salaries***
(in hundreds of dollars)

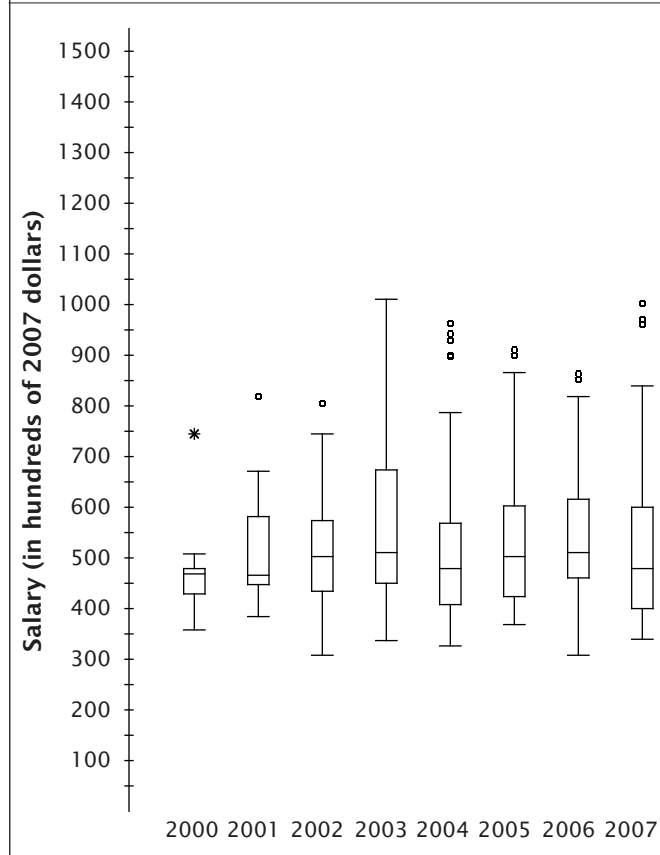
Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2007 \$
1985	220	230	273	300	470	469
1990	225	318	365	404	670	535
1995	300	354	410	478	600	533
1998*	275	405	480	575	700	595
2000	300	400	485	600	1170	580
2001	350	420	465	615	870	543
2002	310	439	500	597	840	574
2003	345	438	475	550	780	534
2004	350	450	495	583	980	541
2005	270	450	500	615	900	530
2006	200	450	550	700	1000	565
2007	340	450	504	600	1100	504
2003 M	397	440	490	555	780	
2003 F	345	400	440	513	620	
2004 M	350	448	487	533	980	
2004 F	380	465	545	605	650	
2005 M	270	455	490	549	900	
2005 F	420	450	570	753	824	
2006 M	300	450	535	685	900	
2006 F	200	520	600	850	1000	
Total (56 male/26 female)						
2007 M	360	440	500	600	1100	
2007 F	340	480	529	703	1003	
One year or less experience (44 male/22 female)						
2007 M	360	424	500	600	970	
2007 F	340	458	500	690	1003	



* Postdoctoral salaries are included from 1998 forward.

**Academic Research Only
11-12-Month Starting Salaries**
(in hundreds of dollars)

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2007 \$
1997	190	300	350	400	600	439
1998	200	333	360	428	617	447
1999	270	380	400	480	720	489
2000	300	365	400	529	1000	479
2001	300	350	400	575	796	468
2002	270	380	440	500	700	505
2003	300	405	455	600	900	512
2004	300	378	440	510	880	481
2005	350	400	475	570	860	503
2006	300	450	500	600	840	513
2007	340	415	480	540	1003	480
2003 M	300	410	440	505	820	
2003 F	310	390	480	650	900	
2004 M	300	380	440	560	880	
2004 F	350	378	430	493	820	
2005 M	350	420	480	580	860	
2005 F	350	400	475	529	850	
2006 M	350	450	500	600	830	
2006 F	300	455	540	680	840	
Total (25 male/11 female)						
2007 M	360	400	470	600	970	
2007 F	340	465	480	504	1003	
One year or less experience (21 male/11 female)						
2007 M	360	400	440	600	970	
2007 F	340	465	480	504	1003	



Government
11-12-Month Starting Salaries
 (in hundreds of dollars)

Business and Industry
11-12-Month Starting Salaries
 (in hundreds of dollars)

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2007 \$
1985	263	294	325	381	440	558
1990	320	345	378	430	587	554
1995	370	440	494	507	650	642
1999	400	495	550	651	720	673
2000	440	540	600	640	830	718
2001	400	580	644	758	920	753
2002	450	551	650	775	1005	747
2003	290	668	705	763	1008	793
2004	510	720	738	780	920	807
2005	480	610	752	848	972	796
2006	400	678	800	961	1140	821
2007	480	500	690	800	1040	690
2003 M	290	648	710	788	830	
2003 F	600	683	695	723	1008	
2004 M	520	700	730	740	910	
2004 F	510	733	749	790	920	
2005 M	500	668	790	902	955	
2005 F	480	540	750	770	972	
2006 M	500	660	800	960	1000	
2006 F	400	775	790	1043	1140	

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2007 \$
1985	260	360	400	420	493	687
1990	320	438	495	533	700	726
1995	288	480	568	690	1250	738
1999	360	600	680	761	2450	832
2000	200	640	720	800	1500	862
2001	475	716	770	865	1850	900
2002	325	734	780	850	1400	896
2003	300	700	800	900	1250	900
2004	400	728	817	900	1800	893
2005	510	755	870	978	2000	921
2006	340	800	900	1000	1550	924
2007	400	780	900	1000	2500	900
2003 M	550	725	840	920	1250	
2003 F	300	628	780	816	900	
2004 M	400	710	813	900	1800	
2004 F	480	789	850	900	1100	
2005 M	510	760	930	1005	2000	
2005 F	600	745	860	890	1100	
2006 M	340	750	890	1000	1450	
2006 F	500	850	900	960	1550	

Total (12 male/1 female)
 2007 M 480 500 695 813 1040
 2007 F To few women to report separately.
 One year or less experience (10 male/1 female)
 2007 M 480 500 655 747 990
 2007 F To few women to report separately.

Total (45 male/24 female)
 2007 M 400 760 920 1000 2500
 2007 F 710 800 855 950 1270
 One year or less experience (35 male/17 female)
 2007 M 400 780 855 975 2500
 2007 F 710 715 720 725 730

