

Starting Salary Survey of the 2001–2002 U.S. Doctoral Recipients

The starting salary figures for 2002 were compiled from information gathered on the EENDR questionnaires sent to individuals who received doctoral degrees in the mathematical sciences during the 2001–2002 academic year from universities in the United States (see previous section for more details).

The questionnaires were distributed to 890 recipients of degrees using addresses provided by the departments granting the degrees; 572 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 considered unusable. 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. Salaries are listed in hundreds of dollars. Nine-month salaries are based on 9–10 months' teaching and/or research, not adding extra stipends for summer grants or summer teaching or the equivalent. Years listed are the academic year in which the doctorate was received. M and F are male and female respectively. Some persons receiving a doctoral degree had been employed in their present position for several years, so those who had "one year or less experience" were analyzed separately from the total. Male and female figures are not provided when the number of salaries available for analysis in a particular cate-

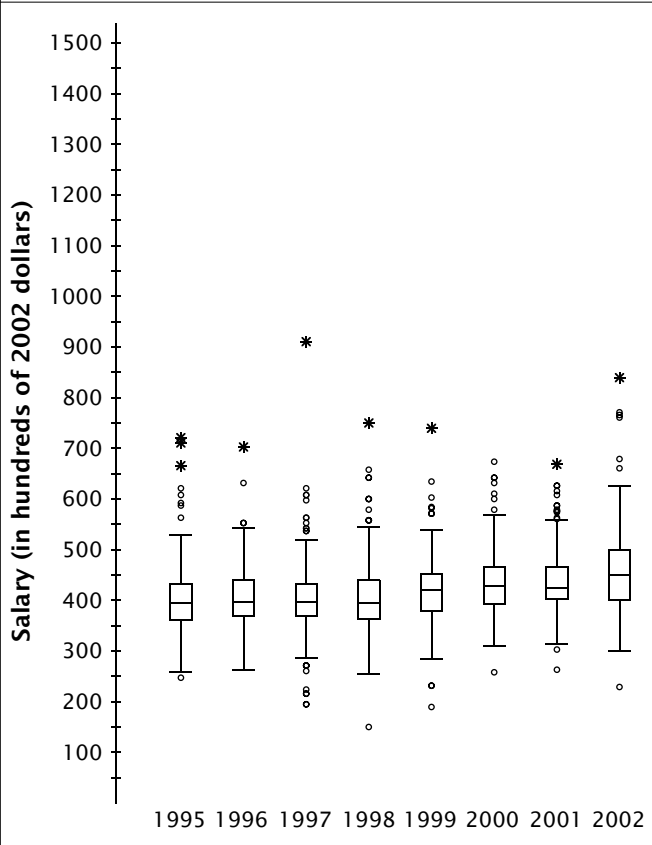
gory was five or fewer. Also, quartile figures are not available for 1965 through 1980. All categories of "Teaching/Teaching and Research" and "Research Only" contain those recipients employed at academic institutions only. The "Academic Research Only, 9–10-Month Salaries" category was dropped from the published analyses in 1998 because so few recipients respond in this category that the data were not considered meaningful. Starting salaries for those reporting a 9–10-month salary postdoctoral position are available for a sixth year. These salaries are also included within the "Academic Teaching/Teaching and Research, 9–10-Month Salaries" table and boxplot on page 809.

Graphs. The graphs show standard boxplots summarizing salary distribution information for the years 1994 through 2002. Values plotted for 1994 through 2001 are converted to 2002 dollars using the implicit price deflator prepared annually by the Bureau of Economic Analysis, U.S. Department of Commerce.

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.

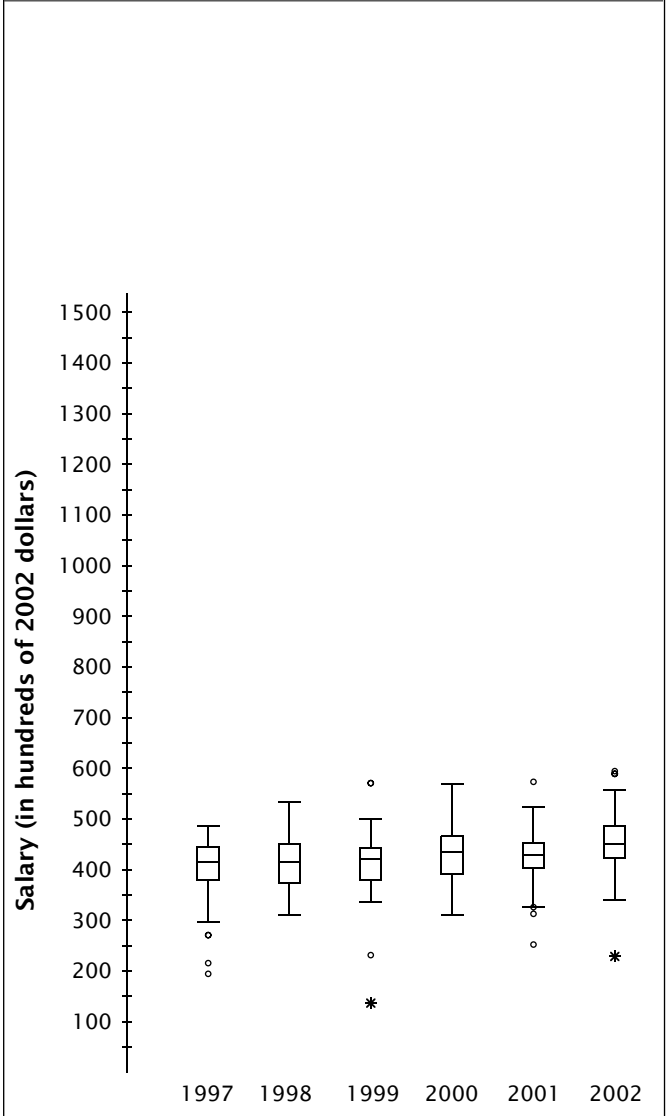
**Academic Teaching/Teaching and Research
9-10-Month Salaries
(in hundreds of dollars)**

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2002 \$
1965	70	---	80	---	105	372
1970	85	---	110	---	195	419
1975	90	120	128	135	173	354
1980	105	155	171	185	250	332
1985	170	230	250	270	380	375
1990	230	305	320	350	710	409
1995	220	320	350	382	640	395
1996	240	333	360	400	636	398
1997	180	340	366	400	840	397
1998	140	340	370	410	700	397
1999	180	360	400	430	700	423
2000	250	380	415	450	650	430
2001	259	400	420	461	660	425
2002	230	400	450	500	840	450
1998 M	140	340	370	411	700	
1998 F	250	350	377	409	600	
1999 M	220	370	400	430	700	
1999 F	180	350	390	420	540	
2000 M	250	380	415	450	650	
2000 F	321	380	413	450	620	
2001 M	259	400	430	475	660	
2001 F	310	390	413	443	620	
Total (154 male/78 female)						
2002 M	230	420	450	500	840	
2002 F	300	400	441	498	610	
One year or less experience (128 male/66 female)						
2002 M	230	420	450	500	840	
2002 F	335	400	441	488	610	



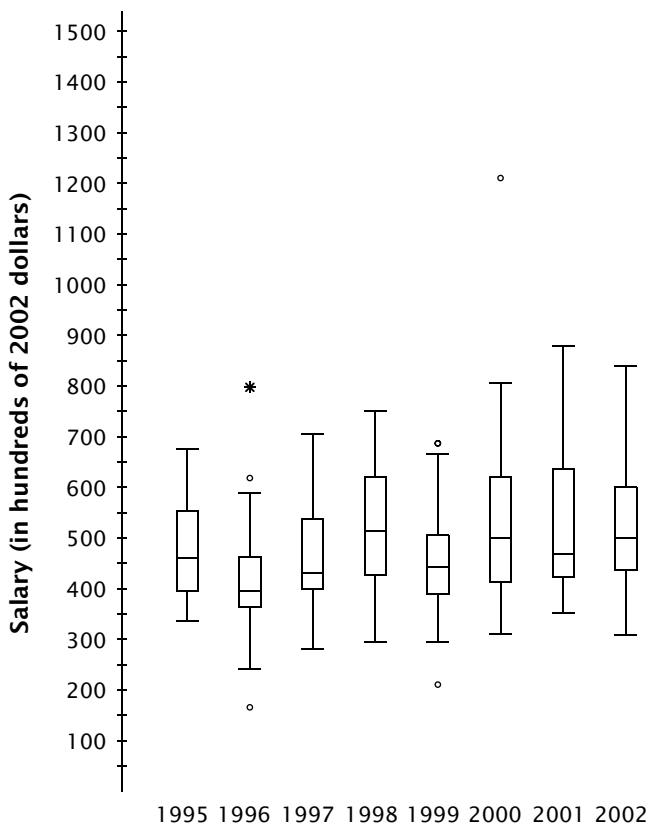
**Academic Postdoctorates
9-10-Month Salaries
(in hundreds of dollars)**

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2002 \$
1997	180	350	385	410	450	418
1998	290	350	390	420	500	418
1999	130	365	400	418	540	423
2000	300	385	420	450	550	435
2001	250	400	425	450	566	430
2002	230	425	450	487	595	450
1998 M	290	340	390	430	500	
1998 F	310	361	375	390	436	
1999 M	220	373	400	428	540	
1999 F	130	350	390	410	475	
2000 M	300	390	420	450	550	
2000 F	360	389	448	458	544	
2001 M	250	400	430	454	566	
2001 F	310	395	421	438	490	
Total (76 male/25 female)						
2002 M	230	425	450	488	595	
2002 F	380	430	450	485	589	



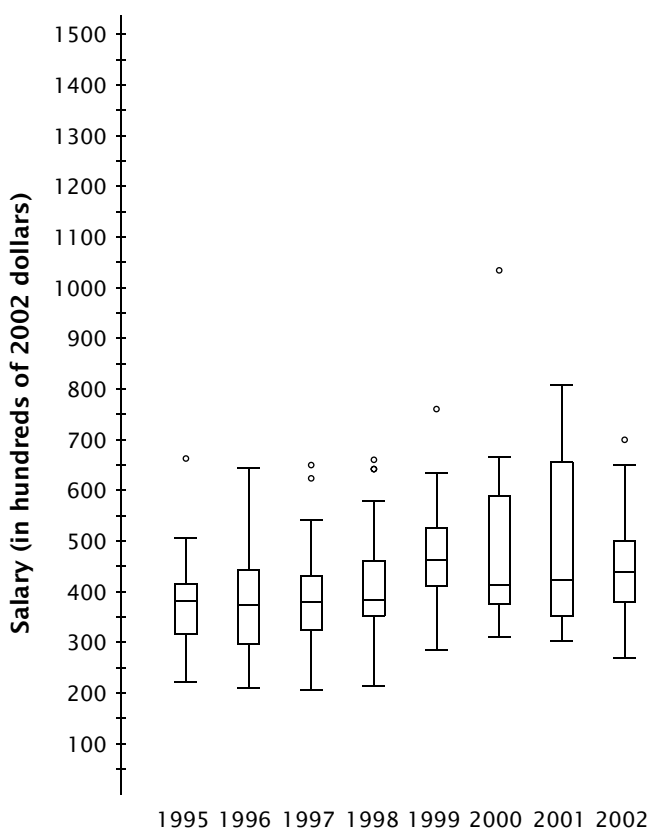
**Academic Teaching/Teaching and Research
11-12-Month Salaries
(in hundreds of dollars)**

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2002 \$
1965	78	---	104	---	121	484
1970	95	---	128	---	200	487
1975	87	---	145	---	204	401
1980	143	---	195	---	350	378
1985	220	230	273	300	470	410
1990	225	318	365	404	670	467
1995	300	354	410	478	600	462
1996	150	302	340	390	720	376
1997	260	370	400	497	650	434
1998	275	403	480	578	700	515
1999	200	374	420	469	650	444
2000	300	400	485	600	1170	502
2001	350	420	465	615	870	470
2002	310	439	500	597	840	500
1998 M	275	410	495	573	700	
1998 F	300	395	464	575	630	
1999 M	280	370	420	458	650	
1999 F	200	393	435	590	630	
2000 M	300	390	460	650	1170	
2000 F	395	465	500	570	750	
2001 M	350	420	443	498	870	
2001 F	380	465	588	658	750	
Total (36 male/11 female)						
2002 M	310	420	485	595	840	
2002 F	400	453	500	558	700	
One year or less experience (34 male/9 female)						
2002 M	310	420	480	579	840	
2002 F	440	460	500	515	700	



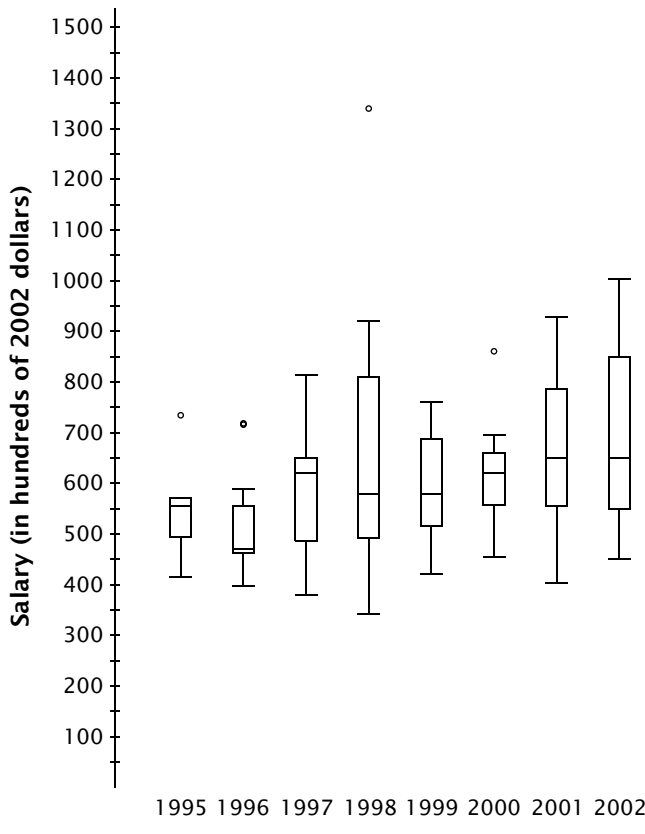
**Academic Research Only
11-12-Month Salaries
(in hundreds of dollars)**

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2002 \$
1965	81	---	93	---	107	433
1970	90	---	120	---	205	457
1975	90	---	119	---	180	329
1980	120	---	180	---	321	349
1985	190	295	342	400	520	514
1990	180	280	300	365	546	384
1995	196	280	340	370	587	384
1996	192	270	330	400	585	365
1997	190	300	350	400	600	380
1998	200	333	360	428	617	386
1999	270	390	440	500	720	465
2000	300	384	400	555	1000	414
2001	300	367	420	625	800	425
2002	270	380	440	500	700	440
1998 M	200	340	360	400	600	
1998 F	285	330	360	540	617	
1999 M	270	383	400	493	600	
1999 F	340	468	530	581	720	
2000 M	300	390	400	486	1000	
2000 F	300	360	410	580	630	
2001 M	300	348	425	655	800	
2001 F	342	400	420	588	700	
Total (39 male/15 female)						
2002 M	270	388	440	500	650	
2002 F	310	350	440	505	700	
One year or less experience (35 male/12 female)						
2002 M	270	388	440	500	630	
2002 F	310	350	425	465	640	



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

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2002 \$
1965	70	---	126	---	160	586
1970	100	---	150	---	223	571
1975	78	---	182	---	247	503
1980	156	---	244	---	501	473
1985	263	294	325	381	440	488
1990	320	345	378	430	587	484
1995	370	440	494	507	650	557
1996	360	420	427	504	650	473
1997	350	454	573	600	750	622
1998	320	475	540	736	1250	579
1999	400	495	550	651	720	581
2000	440	540	600	640	830	621
2001	400	580	644	758	920	650
2002	450	551	650	775	1005	650
1998 M	320	500	568	756	1250	
1998 F	---	---	---	---	---	
1999 M	400	495	540	587	720	
1999 F	---	---	---	---	---	
2000 M	440	563	620	649	830	
2000 F	530	545	566	593	650	
2001 M	400	590	647	780	920	
2001 F	450	550	630	670	896	
Total (19 male/9 female)						
2002 M	450	551	642	725	1005	
2002 F	540	600	700	850	880	
One year or less experience (17 male/7 female)						
2002 M	450	550	642	701	1005	
2002 F	540	650	713	850	880	



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

Ph.D. Year	Min	Q ₁	Median	Q ₃	Max	Reported Median in 2002 \$
1965	100	---	136	---	180	633
1970	96	---	170	---	235	647
1975	114	---	187	---	240	517
1980	190	---	284	---	400	551
1985	260	360	400	420	493	601
1990	320	438	495	533	700	633
1995	288	480	568	690	1250	641
1996	250	510	580	610	1000	642
1997	300	483	600	658	1000	651
1998	240	550	650	750	2250	697
1999	360	600	680	761	2450	719
2000	200	640	720	800	1500	745
2001	475	716	770	865	1850	779
2002	325	734	780	850	1400	780
1998 M	240	550	650	750	1250	
1998 F	305	565	662	765	2250	
1999 M	360	626	700	763	2450	
1999 F	440	580	644	676	1100	
2000 M	200	640	730	800	1500	
2000 F	200	645	690	788	980	
2001 M	520	717	788	875	1700	
2001 F	475	710	750	850	1850	
Total (40 male/14 female)						
2002 M	325	738	782	858	1100	
2002 F	600	713	768	838	1400	
One year or less experience (26 male/12 female)						
2002 M	406	737	782	846	1100	
2002 F	600	688	753	813	950	

