

TABLE C-44. Maximum likelihood estimates for rank, logit model 4: 14 or 15 years since doctorate

Variable	Coefficient	Standard error	z=b/se	P[Z >z]	Mean of x	Variable	Coefficient	Standard error	z=b/se	P[Z >z]	Mean of x
Marginal effects: junior ranks						Marginal effects: associate-professor rank					
Constant	-2.86287E-01	4.96890E-02	-5.762	0.0000		WAVE85	5.15828E-02	1.53156E-02	3.368	0.0008	1.36084E-01
FEMALE	8.25887E-02	7.83051E-03	10.547	0.0000	3.26555E-01	WAVE83	5.45552E-03	1.76458E-02	0.309	0.7572	1.31000E-01
YRPHD15	-1.99221E-02	7.14481E-03	-2.788	0.0053	4.92433E-01	Constant	1.27707E-02	7.94169E-02	0.161	0.8722	
TA	3.28938E-02	2.01900E-02	1.629	0.1033	5.45046E-02	FEMALE	5.46731E-02	1.31982E-02	4.142	0.0000	3.26555E-01
RA	-2.84179E-03	1.96369E-02	-0.145	0.8849	6.95200E-02	YRPHD15	-4.66523E-02	1.13486E-02	-4.111	0.0000	4.92433E-01
FELLOW	-2.38306E-02	3.58577E-02	-0.665	0.5063	1.32419E-02	TA	-1.40496E-02	3.22706E-02	-0.435	0.6633	5.45046E-02
TRAIN	3.76618E-03	1.98558E-02	0.190	0.8496	5.45046E-02	RA	-2.47971E-02	3.05335E-02	-0.812	0.4167	6.95200E-02
MPSOURC	1.36085E-02	2.16029E-02	0.630	0.5287	7.38591E-01	FELLOW	-1.53852E-02	5.32541E-02	-0.289	0.7727	1.32419E-02
TTD1	1.51610E-03	1.71027E-03	0.886	0.3754	8.18231E+00	TRAIN	6.17657E-03	3.28770E-02	0.188	0.8510	5.45046E-02
MTTD1	2.16358E-02	4.25224E-02	0.509	0.6109	1.63159E-02	MPSOURC	-1.85218E-02	3.40776E-02	-0.544	0.5868	7.38591E-01
PDOCP	3.73464E-02	9.08161E-03	4.112	0.0000	3.18279E-01	TTD1	-5.96337E-03	2.81479E-03	-2.119	0.0341	8.18231E+00
MPDOCP	4.24898E-02	1.97596E-02	2.150	0.0315	4.33909E-02	MTTD1	-1.43801E-01	7.42668E-02	-1.936	0.0528	1.63159E-02
FSWI	7.70790E-03	7.76428E-03	0.993	0.3208	3.73020E-01	PDOCP	9.77076E-02	1.51095E-02	6.467	0.0000	3.18279E-01
MFSWI	1.40595E-02	8.20453E-03	1.714	0.0866	3.40979E-01	MPDOCP	1.76691E-02	3.46211E-02	0.510	0.6098	4.33909E-02
BAINT	-2.86988E-04	2.06751E-02	-0.014	0.9889	8.12249E-02	FSWI	7.52854E-03	1.24380E-02	0.605	0.5450	3.73020E-01
MBAINT	-4.93411E-03	5.29918E-02	-0.093	0.9258	9.10381E-03	MFSWI	1.69608E-02	1.34701E-02	1.259	0.2080	3.40979E-01
AGEPHD	1.72638E-03	1.53899E-03	1.122	0.2620	3.09205E+01	BAINT	6.72131E-03	3.42538E-02	0.196	0.8444	8.12249E-02
NATUPHD	-8.33724E-03	2.16551E-02	-0.385	0.7002	3.13313E-02	MBAINT	-1.25424E-02	9.21555E-02	-0.136	0.8917	9.10381E-03
PERMPHD	1.37354E-02	2.22376E-02	0.618	0.5368	4.36273E-02	AGEPHD	-1.65585E-03	2.47866E-03	-0.668	0.5041	3.09205E+01
TEMPPHD	-2.08324E-04	2.24287E-02	-0.009	0.9926	5.99432E-02	NATUPHD	3.94368E-02	3.31770E-02	1.189	0.2346	3.13313E-02
MCITPHD	-1.07859E-02	3.19062E-02	-0.338	0.7353	1.69071E-02	PERMPHD	1.28977E-02	3.67611E-02	0.351	0.7257	4.36273E-02
HISPAN	-2.30647E-02	2.39499E-02	-0.963	0.3355	2.88484E-02	TEMPPHD	-1.08200E-01	3.66038E-02	-2.956	0.0031	5.99432E-02
BLACK	-1.32993E-02	1.86135E-02	-0.714	0.4749	4.44550E-02	MCITPHD	8.88531E-02	5.48589E-02	1.620	0.1053	1.69071E-02
ASIAN	2.21812E-02	1.53526E-02	1.445	0.1485	7.85056E-02	HISPAN	-2.40527E-02	3.46105E-02	-0.695	0.4871	2.88484E-02
NATAMER	2.41763E-02	6.45857E-02	0.374	0.7082	3.31048E-03	BLACK	3.83735E-02	2.78450E-02	1.378	0.1682	4.44550E-02
MARRIED	7.97136E-03	9.63710E-03	0.827	0.4082	7.54434E-01	ASIAN	-2.53020E-02	2.63214E-02	-0.961	0.3364	7.85056E-02
MMARRIED	1.38384E-02	2.08298E-02	0.664	0.5065	4.20903E-02	NATAMER	1.30547E-01	9.78745E-02	1.334	0.1823	3.31048E-03
DEP6	-9.85645E-03	7.87200E-03	-1.252	0.2105	1.92362E-01	MARRIED	-3.79490E-02	1.54844E-02	-2.451	0.0143	7.54434E-01
DEP618	-6.34023E-03	5.02377E-03	-1.262	0.2069	7.63301E-01	MMARRIED	-2.74116E-02	3.21966E-02	-0.851	0.3946	4.20903E-02
MDEP	-2.30361E-02	1.31014E-02	-1.758	0.0787	3.88153E-01	DEP6	2.05157E-02	1.22635E-02	1.673	0.0943	1.92362E-01
WATEACH	-4.89282E-02	8.92611E-03	-5.481	0.0000	5.08040E-01	DEP618	-5.11897E-03	7.27269E-03	-0.662	0.5077	7.63301E-01
WAOth	6.93778E-02	1.00267E-02	6.919	0.0000	1.52873E-01	MDEP	-1.57216E-02	2.09890E-02	-0.749	0.4538	3.88153E-01
EMPPRI	4.26896E-02	8.15181E-03	5.237	0.0000	2.59754E-01	WATEACH	9.26493E-02	1.41593E-02	6.543	0.0000	5.08040E-01
MEMPPRI	-3.35136E-02	3.40726E-02	-0.984	0.3253	1.23315E-01	WAOth	-3.69581E-02	1.88623E-02	-1.959	0.0501	1.52873E-01
EMPRES	3.19663E-02	9.02070E-03	3.544	0.0004	2.95342E-01	EMPPRI	2.62175E-02	1.33845E-02	1.959	0.0501	2.59754E-01
EMPDOC	-5.34486E-02	1.63972E-02	-3.260	0.0011	9.51762E-02	MEMPPRI	4.24976E-02	6.40971E-02	0.663	0.5073	1.23315E-01
MEMPCARN	1.37504E-01	3.28158E-02	4.190	0.0000	2.15181E-01	EMPRES	-1.99992E-02	1.45636E-02	-1.373	0.1697	2.95342E-01
BIO	3.85264E-02	1.79749E-02	2.143	0.0321	3.12012E-01	EMPDOC	9.45260E-02	2.04446E-02	4.624	0.0000	9.51762E-02
HEALTH	-5.11672E-02	2.27122E-02	-2.253	0.0243	6.39631E-02	MEMPCARN	-4.09608E-02	6.35514E-02	-0.645	0.5192	2.15181E-01
ENG	-8.07306E-02	2.81741E-02	-2.865	0.0042	5.27311E-02	BIO	8.31337E-02	2.81214E-02	2.956	0.0031	3.12012E-01
MATHCOM	-2.49117E-02	2.08774E-02	-1.193	0.2328	1.13502E-01	HEALTH	3.67710E-02	3.40684E-02	1.079	0.2804	6.39631E-02
PHYSOTH	6.20404E-02	2.10613E-02	2.946	0.0032	5.63963E-02	ENG	9.67267E-03	3.63636E-02	0.266	0.7902	5.27311E-02
CHEM	5.15875E-02	2.12964E-02	2.422	0.0154	6.37266E-02	MATHCOM	6.82258E-02	3.04551E-02	2.240	0.0251	1.13502E-01
EAOSCI	4.93367E-03	2.47686E-02	0.199	0.8421	4.26815E-02	PHYSOTH	4.43069E-02	3.48496E-02	1.271	0.2036	5.63963E-02
PSYCH	2.29679E-02	1.98257E-02	1.158	0.2467	9.82502E-02	CHEM	-4.18923E-02	3.53128E-02	-1.186	0.2355	6.37266E-02
ECON	-3.78359E-02	2.93566E-02	-1.289	0.1975	3.16860E-02	EAOSCI	1.87822E-02	3.70433E-02	0.507	0.6121	4.26815E-02
POLYSCI	-5.23357E-02	2.99823E-02	-1.746	0.0809	2.84937E-02	PSYCH	5.56233E-02	3.12191E-02	1.782	0.0748	9.82502E-02
SAD	-6.33363E-02	2.49363E-02	-2.540	0.0111	5.76969E-02	ECON	-1.84758E-02	4.15825E-02	-0.444	0.6568	3.16860E-02
OSSCI	-4.43295E-02	3.47333E-02	-1.276	0.2019	2.08087E-02	POLYSCI	4.07611E-02	4.27032E-02	0.955	0.3398	2.84937E-02
WAVE97	-3.50185E-02	2.85165E-02	-1.228	0.2194	7.30669E-02	SAD	7.75226E-02	3.47165E-02	2.233	0.0255	5.76969E-02
WAVE95	3.42920E-02	2.48115E-02	1.382	0.1669	7.98061E-02	OSSCI	3.93953E-02	4.69761E-02	0.839	0.4017	2.08087E-02
WAVE93	-8.08109E-02	3.98014E-02	-2.030	0.0423	8.96193E-02	WAVE97	1.71437E-01	4.75761E-02	3.603	0.0003	7.30669E-02
WAVE91	2.00178E-02	2.13894E-02	0.936	0.3493	7.60227E-02	WAVE95	1.73954E-01	3.92115E-02	4.436	0.0000	7.98061E-02
WAVE89	3.17044E-02	1.53189E-02	2.070	0.0385	1.51572E-01	WAVE93	1.95934E-01	7.23044E-02	2.710	0.0067	8.96193E-02
WAVE87	2.73828E-02	1.50932E-02	1.814	0.0696	1.53228E-01	WAVE91	9.29354E-02	3.28486E-02	2.829	0.0047	7.60227E-02

TABLE C-44. Maximum likelihood estimates for rank, logit model 4: 14 or 15 years since doctorate

Variable	Coefficient	Standard error	z=b/se	P[Z >z]	Mean of x	Variable	Coefficient	Standard error	z=b/se	P[Z >z]	Mean of x
WAVE89	8.10300E-02	2.34926E-02	3.449	0.0006	1.51572E-01	MMARRIED	1.35732E-02	3.18203E-02	0.427	0.6697	4.20903E-02
WAVE87	1.02861E-01	2.28181E-02	4.508	0.0000	1.53228E-01	DEP6	-1.06593E-02	1.26825E-02	-0.840	0.4006	1.92362E-01
WAVE85	5.56231E-02	2.38218E-02	2.335	0.0195	1.36084E-01	DEP618	1.14592E-02	7.88781E-03	1.453	0.1463	7.63301E-01
WAVE83	3.14362E-02	2.64965E-02	1.186	0.2355	1.31000E-01	MDEP	3.87577E-02	2.12700E-02	1.822	0.0684	3.88153E-01
Marginal effects: full-professor rank											
Constant	2.73517E-01	7.94388E-02	3.443	0.0006		WATEACH	-4.37211E-02	1.43319E-02	-3.051	0.0023	5.08040E-01
FEMALE	-1.37262E-01	1.35582E-02	-10.124	0.0000	3.26555E-01	WAOETH	-3.24197E-02	1.88473E-02	-1.720	0.0854	1.52873E-01
YRPHD15	6.65743E-02	1.14574E-02	5.811	0.0000	4.92433E-01	EMPPRI	-6.89071E-02	1.36404E-02	-5.052	0.0000	2.59754E-01
TA	-1.88442E-02	3.38933E-02	-0.556	0.5782	5.45046E-02	MEMPPRI	-8.98402E-03	6.56953E-02	-0.137	0.8912	1.23315E-01
RA	2.76389E-02	3.16547E-02	0.873	0.3826	6.95200E-02	EMPRES	-1.19671E-02	1.45465E-02	-0.823	0.4107	2.95342E-01
FELLOW	3.92158E-02	5.64409E-02	0.695	0.4872	1.32419E-02	EMPDOG	-4.10774E-02	2.07754E-02	-1.977	0.0480	9.51762E-02
TRAIN	-9.94275E-03	3.49448E-02	-0.285	0.7760	5.45046E-02	MEMPCARN	-9.65434E-02	6.50544E-02	-1.484	0.1378	2.15181E-01
MPSOURC	4.91332E-03	3.51836E-02	0.140	0.8889	7.38591E-01	BIO	-1.21660E-01	2.70543E-02	-4.497	0.0000	3.12012E-01
TTD1	4.44728E-03	2.78885E-03	1.595	0.1108	8.18231E+00	HEALTH	1.43962E-02	3.28606E-02	0.438	0.6613	6.39631E-02
MTTD1	1.22165E-01	7.28000E-02	1.678	0.0933	1.63159E-02	ENG	7.10579E-02	3.43882E-02	2.066	0.0388	5.27311E-02
PDOCP	-1.35054E-01	1.53783E-02	-8.782	0.0000	3.18279E-01	MATHCOM	-4.33141E-02	2.92789E-02	-1.479	0.1390	1.13502E-01
MPDOCP	-6.01589E-02	3.46811E-02	-1.735	0.0828	4.33909E-02	PHYSOTH	-1.06347E-01	3.41522E-02	-3.114	0.0018	5.63963E-02
FSWI	-1.52364E-02	1.25629E-02	-1.213	0.2252	3.73020E-01	CHEM	-9.69519E-03	3.41808E-02	-0.284	0.7767	6.37266E-02
MFSWI	-3.10203E-02	1.37321E-02	-2.259	0.0239	3.40979E-01	EAOSCI	-2.37158E-02	3.56654E-02	-0.665	0.5061	4.26815E-02
BAINT	-6.43433E-03	3.42320E-02	-0.188	0.8509	8.12249E-02	PSYCH	-7.85912E-02	3.02861E-02	-2.595	0.0095	9.82502E-02
MBAINT	1.74765E-02	8.89662E-02	0.196	0.8443	9.10381E-03	ECON	5.63117E-02	3.94886E-02	1.426	0.1539	3.16860E-02
AGEPHD	-7.05384E-05	2.46870E-03	-0.029	0.9772	3.09205E+01	POLYSCI	1.15745E-02	4.15324E-02	0.279	0.7805	2.84937E-02
NATUPHD	-3.10995E-02	3.39857E-02	-0.915	0.3602	3.13313E-02	SAD	-1.41863E-02	3.37563E-02	-0.420	0.6743	5.76969E-02
PERMPHD	-2.66330E-02	3.74012E-02	-0.712	0.4764	4.36273E-02	OSSCI	4.93414E-03	4.56397E-02	0.108	0.9139	2.08087E-02
TEMPPHD	1.08408E-01	3.63342E-02	2.984	0.0028	5.99432E-02	WAVE97	-1.36418E-01	4.84063E-02	-2.818	0.0048	7.30669E-02
MCITPHD	-7.80673E-02	5.65342E-02	-1.381	0.1673	1.69071E-02	WAVE95	-2.08246E-01	4.00757E-02	-5.196	0.0000	7.98061E-02
HISPAN	4.71174E-02	3.43736E-02	1.371	0.1705	2.88484E-02	WAVE93	-1.15123E-01	7.39586E-02	-1.557	0.1196	8.96193E-02
BLACK	-2.50742E-02	2.82724E-02	-0.887	0.3751	4.44550E-02	WAVE91	-1.12953E-01	3.28026E-02	-3.443	0.0006	7.60227E-02
ASIAN	3.12076E-03	2.65314E-02	0.118	0.9064	7.85056E-02	WAVE89	-1.12734E-01	2.30156E-02	-4.898	0.0000	1.51572E-01
NATAMER	-1.54724E-01	1.05900E-01	-1.461	0.1440	3.31048E-03	WAVE87	-1.30243E-01	2.23666E-02	-5.823	0.0000	1.53228E-01
MARRIED	2.99776E-02	1.58336E-02	1.893	0.0583	7.54434E-01	WAVE85	-1.07206E-01	2.32556E-02	-4.610	0.0000	1.36084E-01
						WAVE83	-3.68917E-02	2.57313E-02	-1.434	0.1516	1.31000E-01

NOTES: Dependent variable: RANK1; 8458 observations; 6 iterations; log likelihood function = -7901.148; restricted log likelihood = -8531.418; Chi-squared = 1260.541; d.f. = 112; significance = .000000.