

TABLE C-42. Maximum likelihood estimates for rank, logit model 2: 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	-3.28423E-01	5.34257E-02	-6.147	0.0000		WAVE85	6.01811E-02	1.80063E-02	3.342	0.0008	1.30454E-01
FEMALE	8.39475E-02	8.56579E-03	9.800	0.0000	3.25513E-01	WAVE83	4.06012E-03	2.06441E-02	0.197	0.8441	1.25581E-01
YRPHD15	-2.00386E-02	7.66263E-03	-2.615	0.0089	4.90989E-01	Marginal effects: associate-professor rank					
TA	2.18028E-02	1.93115E-02	1.129	0.2589	5.83702E-02	Constant	3.55442E-02	7.80131E-02	0.456	0.6487	
RA	-6.22079E-03	1.84125E-02	-0.338	0.7355	7.52578E-02	FEMALE	5.11446E-02	1.29190E-02	3.959	0.0001	3.25513E-01
FELLOW	-3.55555E-02	3.31387E-02	-1.073	0.2833	1.41675E-02	YRPHD15	-4.55540E-02	1.11245E-02	-4.095	0.0000	4.90989E-01
TRAIN	-1.34483E-02	1.92983E-02	-0.697	0.4859	5.80301E-02	TA	-8.60696E-03	3.11287E-02	-0.276	0.7822	5.83702E-02
MPSOURC	-5.30272E-03	2.14502E-02	-0.247	0.8047	7.19030E-01	RA	-2.47495E-02	2.94528E-02	-0.840	0.4007	7.52578E-02
TTD1	1.74206E-03	1.86958E-03	0.932	0.3514	8.19925E+00	FELLOW	-1.12288E-02	5.11385E-02	-0.220	0.8262	1.41675E-02
MTTD1	2.36174E-02	4.57475E-02	0.516	0.6057	1.60943E-02	TRAIN	1.17624E-02	3.17603E-02	0.370	0.7111	5.80301E-02
PDOCP	3.68720E-02	9.76855E-03	3.775	0.0002	3.24039E-01	MPSOURC	-7.53644E-03	3.31336E-02	-0.227	0.8201	7.19030E-01
MPDOCP	4.12583E-02	2.19317E-02	1.881	0.0599	4.32959E-02	TTD1	-5.90296E-03	2.76868E-03	-2.132	0.0330	8.19925E+00
FSWI	8.59915E-04	8.43328E-03	0.102	0.9188	3.69829E-01	MTTD1	-1.37443E-01	7.28661E-02	-1.886	0.0593	1.60943E-02
MFSWI	1.41294E-02	8.81809E-03	1.602	0.1091	3.42627E-01	PDOCP	9.42739E-02	1.47821E-02	6.378	0.0000	3.24039E-01
BAINT	8.49995E-03	2.18181E-02	0.390	0.6968	7.97915E-02	MPDOCP	1.53574E-02	3.38997E-02	0.453	0.6505	4.32959E-02
MBAINT	-1.06447E-02	5.87198E-02	-0.181	0.8561	8.84053E-03	FSWI	1.17620E-02	1.22218E-02	0.962	0.3359	3.69829E-01
AGEPHD	2.65251E-03	1.67803E-03	1.581	0.1139	3.09349E+01	MFSWI	1.60816E-02	1.31830E-02	1.220	0.2225	3.42627E-01
NATUPHD	2.07045E-03	2.20801E-02	0.094	0.9253	3.23019E-02	BAINT	7.41299E-04	3.36196E-02	0.022	0.9824	7.97915E-02
PERMPHD	3.07026E-04	2.35702E-02	0.013	0.9896	4.31826E-02	MBAINT	-1.14640E-02	9.09289E-02	-0.126	0.8997	8.84053E-03
TEMPPHD	-2.99859E-02	2.33685E-02	-1.283	0.1994	5.90502E-02	AGEPHD	-2.13345E-03	2.43607E-03	-0.876	0.3812	3.09349E+01
MCITPHD	-7.20594E-03	3.44982E-02	-0.209	0.8345	1.70010E-02	NATUPHD	3.29671E-02	3.23682E-02	1.019	0.3084	3.23019E-02
HISPAN	-3.26256E-02	2.47509E-02	-1.318	0.1875	2.89017E-02	PERMPHD	2.00365E-02	3.59108E-02	0.558	0.5769	4.31826E-02
BLACK	-1.70884E-02	1.90220E-02	-0.898	0.3690	4.51094E-02	TEMPPHD	-8.76807E-02	3.57916E-02	-2.450	0.0143	5.90502E-02
ASIAN	3.50766E-02	1.60189E-02	2.190	0.0285	7.96781E-02	MCITPHD	8.73830E-02	5.33139E-02	1.639	0.1012	1.70010E-02
NATAMER	2.55754E-02	6.54393E-02	0.391	0.6959	3.40020E-03	HISPAN	-1.63813E-02	3.38917E-02	-0.483	0.6289	2.89017E-02
MARRIED	-3.69663E-03	1.02860E-02	-0.359	0.7193	7.54052E-01	BLACK	3.92630E-02	2.71613E-02	1.446	0.1483	4.51094E-02
MMARRIED	1.70673E-03	2.39041E-02	0.071	0.9431	4.05758E-02	ASIAN	-3.23714E-02	2.55662E-02	-1.266	0.2054	7.96781E-02
DEP6	-1.16333E-02	8.18310E-03	-1.422	0.1551	1.94945E-01	NATAMER	1.32412E-01	9.48418E-02	1.396	0.1627	3.40020E-03
DEP618	-7.89339E-03	5.13698E-03	-1.537	0.1244	7.64819E-01	MARRIED	-3.06403E-02	1.51351E-02	-2.024	0.0429	7.54052E-01
MDEP	-2.86326E-02	1.41877E-02	-2.018	0.0436	3.75496E-01	MMARRIED	-1.98549E-02	3.20272E-02	-0.620	0.5353	4.05758E-02
WATEACH	-8.88215E-02	9.63417E-03	-9.219	0.0000	4.89516E-01	DEP6	2.13483E-02	1.19595E-02	1.785	0.0743	1.94945E-01
WAOth	1.01773E-01	1.03433E-02	9.839	0.0000	1.65930E-01	DEP618	-3.49542E-03	7.51867E-03	-0.465	0.6420	7.64819E-01
EMPPRI	5.15546E-02	8.88700E-03	5.801	0.0000	2.59096E-01	MDEP	-1.09637E-02	2.06132E-02	-0.532	0.5948	3.75496E-01
MEMPPRI	3.29797E-02	2.77680E-02	1.188	0.2350	1.30568E-01	WATEACH	1.10991E-01	1.38641E-02	8.006	0.0000	4.89516E-01
EMPRES	4.10149E-02	1.00412E-02	4.085	0.0000	2.94118E-01	WAOth	-5.80500E-02	1.83037E-02	-3.171	0.0015	1.65930E-01
EMPDOC	-6.03240E-02	1.80962E-02	-3.334	0.0009	9.23722E-02	EMPPRI	2.09590E-02	1.31190E-02	1.598	0.1101	2.59096E-01
MEMPCARN	1.22700E-01	2.77317E-02	4.425	0.0000	2.31327E-01	MEMPPRI	1.51010E-02	5.28916E-02	0.286	0.7753	1.30568E-01
BIO	5.52075E-02	1.98688E-02	2.779	0.0055	3.11232E-01	EMPRES	-2.40879E-02	1.43712E-02	-1.676	0.0937	2.94118E-01
HEALTH	-6.63865E-02	2.52433E-02	-2.630	0.0085	6.24504E-02	EMPDOC	9.63159E-02	2.03317E-02	4.737	0.0000	9.23722E-02
ENG	-4.72152E-02	2.81756E-02	-1.676	0.0938	5.24765E-02	MEMPCARN	-4.48716E-02	5.27794E-02	-0.850	0.3952	2.31327E-01
MATHCOM	-4.62450E-03	2.28635E-02	-0.202	0.8397	1.11187E-01	BIO	7.27053E-02	2.78211E-02	2.613	0.0090	3.11232E-01
PHYSOTH	1.18084E-01	2.25017E-02	5.248	0.0000	6.06370E-02	HEALTH	4.69287E-02	3.37557E-02	1.390	0.1645	6.24504E-02
CHEM	9.88543E-02	2.31976E-02	4.261	0.0000	6.49439E-02	ENG	-6.52733E-03	3.56414E-02	-0.183	0.8547	5.24765E-02
EAOSCI	4.93985E-02	2.59591E-02	1.903	0.0570	4.34093E-02	MATHCOM	5.79630E-02	3.01599E-02	1.922	0.0546	1.11187E-01
PSYCH	5.35642E-02	2.16932E-02	2.469	0.0135	9.95126E-02	PHYSOTH	1.26561E-02	3.41960E-02	0.370	0.7113	6.06370E-02
ECON	-6.11189E-03	3.06774E-02	-0.199	0.8421	3.15086E-02	CHEM	-6.36436E-02	3.47776E-02	-1.830	0.0672	6.49439E-02
POLYSCI	-2.14564E-02	3.16466E-02	-0.678	0.4978	2.83350E-02	EAOSCI	-4.66220E-03	3.63899E-02	-0.128	0.8981	4.34093E-02
SAD	-4.59326E-02	2.64539E-02	-1.736	0.0825	5.73501E-02	PSYCH	3.89143E-02	3.08307E-02	1.262	0.2069	9.95126E-02
OSSCI	-3.79956E-02	3.81243E-02	-0.997	0.3189	2.02879E-02	ECON	-3.27436E-02	4.09842E-02	-0.799	0.4243	3.15086E-02
WAVE97	-2.02991E-02	3.00478E-02	-0.676	0.4993	7.79780E-02	POLYSCI	2.67245E-02	4.20592E-02	0.635	0.5252	2.83350E-02
WAVE95	1.01015E-01	2.60146E-02	3.883	0.0001	8.61385E-02	SAD	6.76195E-02	3.42397E-02	1.975	0.0483	5.73501E-02
WAVE93	1.55793E-02	3.60712E-02	0.432	0.6658	9.89459E-02	OSSCI	3.61970E-02	4.66362E-02	0.776	0.4377	2.02879E-02
WAVE91	5.11102E-02	2.32893E-02	2.195	0.0282	7.62779E-02	WAVE97	1.68595E-01	4.67431E-02	3.607	0.0003	7.79780E-02
WAVE89	5.48857E-02	1.75676E-02	3.124	0.0018	1.49722E-01	WAVE95	1.39526E-01	3.84171E-02	3.632	0.0003	8.61385E-02
WAVE87	4.60586E-02	1.74378E-02	2.641	0.0083	1.49836E-01	WAVE93	1.59037E-01	6.25394E-02	2.543	0.0110	9.89459E-02
						WAVE91	7.59639E-02	3.23857E-02	2.346	0.0190	7.62779E-02

TABLE C-42. Maximum likelihood estimates for rank, logit model 2: 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	6.65014E-02	2.34274E-02	2.839	0.0045	1.49722E-01	MMARRIED	1.81481E-02	3.14022E-02	0.578	0.5633	4.05758E-02
WAVE87	9.04289E-02	2.27913E-02	3.968	0.0001	1.49836E-01	DEP6	-9.71506E-03	1.24163E-02	-0.782	0.4340	1.94945E-01
WAVE85	4.82652E-02	2.38442E-02	2.024	0.0430	1.30454E-01	DEP618	1.13888E-02	7.67960E-03	1.483	0.1381	7.64819E-01
WAVE83	3.14098E-02	2.65485E-02	1.183	0.2368	1.25581E-01	MDEP	3.95962E-02	2.08198E-02	1.902	0.0572	3.75496E-01
Marginal effects: full-professor rank											
Constant	2.92879E-01	7.78455E-02	3.762	0.0002		WATEACH	-2.21695E-02	1.40240E-02	-1.581	0.1139	4.89516E-01
FEMALE	-1.35092E-01	1.33138E-02	-10.147	0.0000	3.25513E-01	WAOTH	-4.37233E-02	1.82898E-02	-2.391	0.0168	1.65930E-01
YRPHD15	6.55926E-02	1.12354E-02	5.838	0.0000	4.90989E-01	EMPPRI	-7.25135E-02	1.33837E-02	-5.418	0.0000	2.59096E-01
TA	-1.31958E-02	3.27971E-02	-0.402	0.6874	5.83702E-02	MEMPPRI	-4.80807E-02	5.47135E-02	-0.879	0.3795	1.30568E-01
RA	3.09703E-02	3.05632E-02	1.013	0.3109	7.52578E-02	EMPRES	-1.69270E-02	1.42976E-02	-1.184	0.2364	2.94118E-01
FELLOW	4.67843E-02	5.44233E-02	0.860	0.3900	1.41675E-02	EMPDOC	-3.59919E-02	2.06015E-02	-1.747	0.0806	9.23722E-02
TRAIN	1.68586E-03	3.39811E-02	0.050	0.9604	5.80301E-02	MEMPCARN	-7.78285E-02	5.44420E-02	-1.430	0.1528	2.31327E-01
MPSOURC	1.28392E-02	3.42177E-02	0.375	0.7075	7.19030E-01	BIO	-1.27913E-01	2.65703E-02	-4.814	0.0000	3.11232E-01
TTD1	4.16090E-03	2.73616E-03	1.521	0.1283	8.19925E+00	HEALTH	1.94578E-02	3.23367E-02	0.602	0.5474	6.24504E-02
MTTD1	1.13825E-01	7.12752E-02	1.597	0.1103	1.60943E-02	ENG	5.37426E-02	3.32992E-02	1.614	0.1065	5.24765E-02
PDOCP	-1.31146E-01	1.50619E-02	-8.707	0.0000	3.24039E-01	MATHCOM	-5.33385E-02	2.87614E-02	-1.855	0.0637	1.11187E-01
MPDOCP	-5.66157E-02	3.38381E-02	-1.673	0.0943	4.32959E-02	PHYSOTH	-1.30740E-01	3.33523E-02	-3.920	0.0001	6.06370E-02
FSWI	-1.26219E-02	1.23366E-02	-1.023	0.3062	3.69829E-01	CHEM	-3.52107E-02	3.33978E-02	-1.054	0.2918	6.49439E-02
MFSWI	-3.02110E-02	1.34638E-02	-2.244	0.0248	3.42627E-01	EAOSCI	-4.47363E-02	3.47877E-02	-1.286	0.1985	4.34093E-02
BAINT	-9.24125E-03	3.34844E-02	-0.276	0.7826	7.97915E-02	PSYCH	-9.24785E-02	2.97084E-02	-3.113	0.0019	9.95126E-02
MBAINT	2.21087E-02	8.71232E-02	0.254	0.7997	8.84053E-03	ECON	3.88555E-02	3.85118E-02	1.009	0.3130	3.15086E-02
AGEPHD	-5.19062E-04	2.42177E-03	-0.214	0.8303	3.09349E+01	POLYSCI	-5.26812E-03	4.06119E-02	-0.130	0.8968	2.83350E-02
NATUPHD	-3.50376E-02	3.32341E-02	-1.054	0.2918	3.23019E-02	SAD	-2.16869E-02	3.31031E-02	-0.655	0.5124	5.73501E-02
PERMPHD	-2.03436E-02	3.65419E-02	-0.557	0.5777	4.31826E-02	OSSCI	1.79856E-03	4.50445E-02	0.040	0.9682	2.02879E-02
TEMPPHD	1.17667E-01	3.53347E-02	3.330	0.0009	5.90502E-02	WAVE97	-1.48296E-01	4.74013E-02	-3.129	0.0018	7.79780E-02
MCITPHD	-8.01771E-02	5.50392E-02	-1.457	0.1452	1.70010E-02	WAVE95	-2.40541E-01	3.91832E-02	-6.139	0.0000	8.61385E-02
HISPAN	4.90069E-02	3.35607E-02	1.460	0.1442	2.89017E-02	WAVE93	-1.74616E-01	6.42607E-02	-2.717	0.0066	9.89459E-02
BLACK	-2.21747E-02	2.75853E-02	-0.804	0.4215	4.51094E-02	WAVE91	-1.27074E-01	3.21128E-02	-3.957	0.0001	7.62779E-02
ASIAN	-2.70525E-03	2.58201E-02	-0.105	0.9166	7.96781E-02	WAVE89	-1.21387E-01	2.26913E-02	-5.350	0.0000	1.49722E-01
NATAMER	-1.57987E-01	1.04015E-01	-1.519	0.1288	3.40020E-03	WAVE87	-1.36488E-01	2.20996E-02	-6.176	0.0000	1.49836E-01
MARRIED	3.43369E-02	1.55175E-02	2.213	0.0269	7.54052E-01	WAVE85	-1.08446E-01	2.30025E-02	-4.715	0.0000	1.30454E-01
						WAVE83	-3.54699E-02	2.54642E-02	-1.393	0.1636	1.25581E-01

NOTES: Dependent variable: RANK1; 8823 observations; 6 iterations; log likelihood function = -8357.985; restricted log likelihood = -9190.100; Chi-squared =1664.232; d.f. = 112; significance = .0000000.