

TABLE C-45. Maximum likelihood estimates for rank, logit model 5: 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						RA	-1.20746E-02	3.17937E-02	-0.380	0.7041	7.02117E-02
Constant	-2.62900E-01	4.47296E-02	-5.878	0.0000		FELLOW	-3.65748E-02	5.48364E-02	-0.667	0.5048	1.38100E-02
FEMALE	4.94174E-02	7.29213E-03	6.777	0.0000	3.13758E-01	TRAIN	1.29493E-02	3.42500E-02	0.378	0.7054	5.48529E-02
YRPHD15	-1.68983E-02	6.60848E-03	-2.557	0.0106	4.95870E-01	MPSOURC	-1.26141E-02	3.54298E-02	-0.356	0.7218	7.37093E-01
TA	2.27353E-02	1.82762E-02	1.244	0.2135	5.49819E-02	TTD1	-5.34781E-03	2.93597E-03	-1.821	0.0685	8.14985E+00
RA	-1.21025E-03	1.80269E-02	-0.067	0.9465	7.02117E-02	MTTD1	-1.39567E-01	7.65871E-02	-1.822	0.0684	1.62623E-02
FELLOW	1.41224E-02	2.92536E-02	0.483	0.6293	1.38100E-02	PDOCP	8.74631E-02	1.54360E-02	5.666	0.0000	3.03046E-01
TRAIN	1.62073E-02	1.79536E-02	0.903	0.3667	5.48529E-02	MPDOCP	3.73026E-02	3.56488E-02	1.046	0.2954	4.33660E-02
MPSOURC	2.48668E-02	1.94212E-02	1.280	0.2004	7.37093E-01	FSWI	-1.70645E-03	1.28804E-02	-0.132	0.8946	3.71193E-01
TTD1	-4.93269E-04	1.56439E-03	-0.315	0.7525	8.14985E+00	MFSWI	1.33386E-02	1.39664E-02	0.955	0.3396	3.36345E-01
MTTD1	-1.42595E-02	3.90190E-02	-0.365	0.7148	1.62623E-02	BAINT	1.83752E-02	3.57674E-02	0.514	0.6074	7.93753E-02
PDOCP	2.94470E-02	8.31128E-03	3.543	0.0004	3.03046E-01	MBAINT	-2.14321E-02	9.52487E-02	-0.225	0.8220	9.03459E-03
MPDOCP	1.36273E-02	1.90126E-02	0.717	0.4735	4.33660E-02	AGEPHD	-7.25856E-04	2.59212E-03	-0.280	0.7795	3.08841E+01
FSWI	1.02176E-02	7.18465E-03	1.422	0.1550	3.71193E-01	NATUPHD	4.99600E-02	3.47435E-02	1.438	0.1504	3.05885E-02
MFSWI	1.67171E-02	7.61673E-03	2.195	0.0282	3.36345E-01	PERMPHD	7.21568E-03	3.83344E-02	0.188	0.8507	4.31079E-02
BAINT	-2.77012E-03	1.90047E-02	-0.146	0.8841	7.93753E-02	TEMPPHD	-1.32182E-01	3.81067E-02	-3.469	0.0005	5.89830E-02
MBAINT	2.50015E-02	4.71590E-02	0.530	0.5960	9.03459E-03	MCITPHD	6.92969E-02	5.66653E-02	1.223	0.2214	1.72948E-02
AGEPHD	1.97452E-03	1.38745E-03	1.423	0.1547	3.08841E+01	HISPAN	-4.25706E-02	3.53361E-02	-1.205	0.2283	2.98141E-02
NATUPHD	-2.42182E-02	2.16749E-02	-1.117	0.2638	3.05885E-02	BLACK	2.98470E-02	2.82542E-02	1.056	0.2908	4.65927E-02
PERMPHD	2.37324E-02	1.99740E-02	1.188	0.2348	4.31079E-02	ASIAN	-2.83800E-02	2.75253E-02	-1.031	0.3025	7.56324E-02
TEMPPHD	2.65879E-02	1.99419E-02	1.333	0.1824	5.89830E-02	NATAMER	1.24103E-01	1.00645E-01	1.233	0.2175	3.48477E-03
MCITPHD	2.27409E-02	2.83208E-02	0.803	0.4220	1.72948E-02	MARRIED	-4.61327E-02	1.61476E-02	-2.857	0.0043	7.55421E-01
HISPAN	-4.71925E-03	2.03581E-02	-0.232	0.8167	2.98141E-02	MMARRIED	-2.66774E-02	3.29458E-02	-0.810	0.4181	4.33660E-02
BLACK	5.81813E-03	1.56789E-02	0.371	0.7106	4.65927E-02	DEP6	2.48455E-02	1.26878E-02	1.958	0.0502	1.92695E-01
ASIAN	5.45024E-03	1.43434E-02	0.380	0.7040	7.56324E-02	DEP618	-2.69678E-03	7.98838E-03	-0.338	0.7357	7.72457E-01
NATAMER	4.54579E-02	4.83888E-02	0.939	0.3475	3.48477E-03	MDEP	-1.90062E-02	2.17733E-02	-0.873	0.3827	3.84874E-01
MARRIED	3.84823E-03	8.90742E-03	0.432	0.6657	7.55421E-01	BIO	1.00973E-01	2.82974E-02	3.568	0.0004	2.98012E-01
MMARRIED	2.91697E-03	1.91975E-02	0.152	0.8792	4.33660E-02	HEALTH	2.98325E-02	3.45652E-02	0.863	0.3881	6.47909E-02
DEP6	-9.13429E-03	7.31103E-03	-1.249	0.2115	1.92695E-01	ENG	3.00014E-02	3.64906E-02	0.822	0.4110	5.54982E-02
DEP618	-2.08996E-03	4.52553E-03	-0.462	0.6442	7.72457E-01	MATHCOM	1.00666E-01	3.03832E-02	3.313	0.0009	1.20547E-01
MDEP	-1.34237E-02	1.20243E-02	-1.116	0.2643	3.84874E-01	PHYSOTH	8.42354E-02	3.56925E-02	2.360	0.0183	5.40785E-02
BIO	1.86017E-02	1.61183E-02	1.154	0.2485	2.98012E-01	CHEM	1.46651E-02	3.54868E-02	0.413	0.6794	6.14352E-02
HEALTH	-2.73369E-02	2.02496E-02	-1.350	0.1770	6.47909E-02	EAOSCI	5.19002E-02	3.75579E-02	1.382	0.1670	4.34951E-02
ENG	-7.31964E-02	2.53412E-02	-2.888	0.0039	5.54982E-02	PSYCH	7.79161E-02	3.14961E-02	2.474	0.0134	9.69282E-02
MATHCOM	-2.08894E-02	1.83169E-02	-1.140	0.2541	1.20547E-01	ECON	1.27928E-02	4.22786E-02	0.303	0.7622	3.23955E-02
PHYSOTH	3.43003E-02	1.91312E-02	1.793	0.0730	5.40785E-02	POLYSCI	6.53664E-02	4.28246E-02	1.526	0.1269	2.99432E-02
CHEM	4.58325E-03	1.97263E-02	0.232	0.8163	6.14352E-02	SAD	9.91494E-02	3.48035E-02	2.849	0.0044	6.06608E-02
EAOSCI	-1.64520E-02	2.26649E-02	-0.726	0.4679	4.34951E-02	OSSCI	6.59797E-02	4.70905E-02	1.401	0.1612	2.19411E-02
PSYCH	1.62181E-02	1.76980E-02	0.916	0.3595	9.69282E-02	WAVE97	1.46812E-01	4.12196E-02	3.562	0.0004	7.36964E-02
ECON	-5.09016E-02	2.79865E-02	-1.819	0.0689	3.23955E-02	WAVE95	1.58926E-01	4.04922E-02	3.925	0.0001	8.01497E-02
POLYSCI	-3.60085E-02	2.62715E-02	-1.371	0.1705	2.99432E-02	WAVE93	1.35989E-01	4.00409E-02	3.396	0.0007	9.04750E-02
SAD	-5.02849E-02	2.18381E-02	-2.303	0.0213	6.06608E-02	WAVE91	8.04750E-02	3.37458E-02	2.385	0.0171	7.69231E-02
OSSCI	-3.84454E-02	2.99217E-02	-1.285	0.1988	2.19411E-02	WAVE89	6.84362E-02	2.42463E-02	2.823	0.0048	1.51910E-01
WAVE97	6.20355E-02	2.26352E-02	2.741	0.0061	7.36964E-02	WAVE87	8.90560E-02	2.35047E-02	3.789	0.0002	1.55008E-01
WAVE95	5.70922E-02	2.24323E-02	2.545	0.0109	8.01497E-02	WAVE85	5.58009E-02	2.47402E-02	2.255	0.0241	1.31389E-01
WAVE93	6.38074E-02	2.20854E-02	2.889	0.0039	9.04750E-02	WAVE83	3.40396E-02	2.75314E-02	1.236	0.2163	1.29582E-01
WAVE91	3.32295E-02	1.96418E-02	1.692	0.0907	7.69231E-02	Marginal effects: full-professor rank					
WAVE89	3.94077E-02	1.44150E-02	2.734	0.0063	1.51910E-01	Constant	2.54491E-01	8.27426E-02	3.076	0.0021	
WAVE87	3.98705E-02	1.41111E-02	2.825	0.0047	1.55008E-01	FEMALE	-1.27022E-01	1.42056E-02	-8.942	0.0000	3.13758E-01
WAVE85	3.63441E-02	1.48298E-02	2.451	0.0143	1.31389E-01	YRPHD15	6.99557E-02	1.19498E-02	5.854	0.0000	4.95870E-01
WAVE83	-4.32726E-04	1.73547E-02	-0.025	0.9801	1.29582E-01	TA	-3.50825E-02	3.49527E-02	-1.004	0.3155	5.49819E-02
Marginal effects: associate-professor rank						RA	1.32849E-02	3.28051E-02	0.405	0.6855	7.02117E-02
Constant	8.40931E-03	8.19973E-02	0.103	0.9183		FELLOW	2.24524E-02	5.74483E-02	0.391	0.6959	1.38100E-02
FEMALE	7.76046E-02	1.38132E-02	5.618	0.0000	3.13758E-01	TRAIN	-2.91566E-02	3.60153E-02	-0.810	0.4182	5.48529E-02
YRPHD15	-5.30574E-02	1.17643E-02	-4.510	0.0000	4.95870E-01	MPSOURC	-1.22526E-02	3.64910E-02	-0.336	0.7370	7.37093E-01
TA	1.23472E-02	3.35411E-02	0.368	0.7128	5.49819E-02	TTD1	5.84108E-03	2.94816E-03	1.981	0.0476	8.14985E+00

TABLE C-45. Maximum likelihood estimates for rank, logit model 5: 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
MTTD1	1.53826E-01	7.61777E-02	2.019	0.0435	1.62623E-02	BIO	-1.19575E-01	2.77411E-02	-4.310	0.0000	2.98012E-01
PDOCP	-1.16910E-01	1.57746E-02	-7.411	0.0000	3.03046E-01	HEALTH	-2.49563E-03	3.39372E-02	-0.074	0.9414	6.47909E-02
MPDOCP	-5.09299E-02	3.60403E-02	-1.413	0.1576	4.33660E-02	ENG	4.31950E-02	3.53378E-02	1.222	0.2216	5.54982E-02
FSWI	-8.51114E-03	1.30722E-02	-0.651	0.5150	3.71193E-01	MATHCOM	-7.97764E-02	2.97838E-02	-2.679	0.0074	1.20547E-01
MFSWI	-3.00557E-02	1.42781E-02	-2.105	0.0353	3.36345E-01	PHYSOTH	-1.18536E-01	3.55270E-02	-3.336	0.0008	5.40785E-02
BAINT	-1.56050E-02	3.58985E-02	-0.435	0.6638	7.93753E-02	CHEM	-1.92483E-02	3.49470E-02	-0.551	0.5818	6.14352E-02
MBAINT	-3.56943E-03	9.34564E-02	-0.038	0.9695	9.03459E-03	EAOSCI	-3.54481E-02	3.68406E-02	-0.962	0.3359	4.34951E-02
AGEPHD	-1.24866E-03	2.61051E-03	-0.478	0.6324	3.08841E+01	PSYCH	-9.41342E-02	3.10693E-02	-3.030	0.0024	9.69282E-02
NATUPHD	-2.57418E-02	3.56351E-02	-0.722	0.4701	3.05885E-02	ECON	3.81088E-02	4.10579E-02	0.928	0.3533	3.23955E-02
PERMPHD	-3.09481E-02	3.90321E-02	-0.793	0.4278	4.31079E-02	POLYSCI	-2.93579E-02	4.23729E-02	-0.693	0.4884	2.99432E-02
TEMPPHD	1.05594E-01	3.79697E-02	2.781	0.0054	5.89830E-02	SAD	-4.88645E-02	3.44460E-02	-1.419	0.1560	6.06608E-02
MCITPHD	-9.20378E-02	5.85070E-02	-1.573	0.1157	1.72948E-02	OSSCI	-2.75343E-02	4.65927E-02	-0.591	0.5545	2.19411E-02
HISPAN	4.72899E-02	3.54000E-02	1.336	0.1816	2.98141E-02	WAVE97	-2.08848E-01	4.22952E-02	-4.938	0.0000	7.36964E-02
BLACK	-3.56651E-02	2.88762E-02	-1.235	0.2168	4.65927E-02	WAVE95	-2.16018E-01	4.15333E-02	-5.201	0.0000	8.01497E-02
ASIAN	2.29298E-02	2.77797E-02	0.825	0.4091	7.56324E-02	WAVE93	-1.99796E-01	4.10043E-02	-4.873	0.0000	9.04750E-02
NATAMER	-1.69561E-01	1.07342E-01	-1.580	0.1142	3.48477E-03	WAVE91	-1.13704E-01	3.39429E-02	-3.350	0.0008	7.69231E-02
MARRIED	4.22844E-02	1.65565E-02	2.554	0.0107	7.55421E-01	WAVE89	-1.07844E-01	2.40680E-02	-4.481	0.0000	1.51910E-01
MMARRIED	2.37604E-02	3.29992E-02	0.720	0.4715	4.33660E-02	WAVE87	-1.28927E-01	2.33405E-02	-5.524	0.0000	1.55008E-01
DEP6	-1.57112E-02	1.31077E-02	-1.199	0.2307	1.92695E-01	WAVE85	-9.21449E-02	2.44736E-02	-3.765	0.0002	1.31389E-01
DEP618	4.78674E-03	8.17284E-03	0.586	0.5581	7.72457E-01	WAVE83	-3.36069E-02	2.71358E-02	-1.238	0.2155	1.29582E-01
MDEP	3.24299E-02	2.21348E-02	1.465	0.1429	3.84874E-01						

NOTES: Dependent variable: RANK1; 7748 observations; 6 iterations; log likelihood function = -7020.747; restricted log likelihood = -7384.218; Chi-squared = 726.9426; d.f. = 98; significance = .0000000.