

TABLE C-46. Maximum likelihood estimates for rank, logit model 6: 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	-2.56222E-01	4.32737E-02	-5.921	0.0000		WAVE85	3.54009E-02	1.40996E-02	2.511	0.0120	1.31389E-01
FEMALE	4.75964E-02	6.98047E-03	6.819	0.0000	3.13758E-01	WAVE83	-5.10262E-03	1.65153E-02	-0.309	0.7573	1.29582E-01
YRPHD15	-1.34272E-02	6.29544E-03	-2.133	0.0329	4.95870E-01	Marginal effects: associate-professor rank					
TA	2.73183E-02	1.74084E-02	1.569	0.1166	5.49819E-02	Constant	-3.16617E-02	8.37445E-02	-0.378	0.7054	
RA	3.62359E-03	1.71574E-02	0.211	0.8327	7.02117E-02	FEMALE	7.30146E-02	1.39780E-02	5.224	0.0000	3.13758E-01
FELLOW	1.23842E-02	2.79188E-02	0.444	0.6573	1.38100E-02	YRPHD15	-5.54202E-02	1.18765E-02	-4.666	0.0000	4.95870E-01
TRAIN	1.61139E-02	1.70819E-02	0.943	0.3455	5.48529E-02	TA	4.17094E-03	3.38771E-02	0.123	0.9020	5.49819E-02
MPSOURC	2.44398E-02	1.85408E-02	1.318	0.1874	7.37093E-01	RA	-1.13807E-02	3.20817E-02	-0.355	0.7228	7.02117E-02
TTD1	-6.77878E-04	1.49549E-03	-0.453	0.6503	8.14985E+00	FELLOW	-2.87108E-02	5.54965E-02	-0.517	0.6049	1.38100E-02
MTTD1	-1.39632E-02	3.73371E-02	-0.374	0.7084	1.62623E-02	TRAIN	2.02727E-02	3.46030E-02	0.586	0.5580	5.48529E-02
PDOCP	2.64244E-02	8.14499E-03	3.244	0.0012	3.03046E-01	MPSOURC	-1.10068E-02	3.57441E-02	-0.308	0.7581	7.37093E-01
MPDOCP	8.45115E-03	1.81746E-02	0.465	0.6419	4.33660E-02	TTD1	-5.26183E-03	2.97102E-03	-1.771	0.0766	8.14985E+00
FSWI	9.49940E-03	6.83600E-03	1.390	0.1646	3.71193E-01	MTTD1	-1.36020E-01	7.74299E-02	-1.757	0.0790	1.62623E-02
MFSWI	1.53188E-02	7.28572E-03	2.103	0.0355	3.36345E-01	PDOCP	1.08433E-01	1.59807E-02	6.785	0.0000	3.03046E-01
BAINT	-1.62422E-02	1.82214E-02	-0.891	0.3727	7.93753E-02	MPDOCP	4.05519E-02	3.61020E-02	1.123	0.2613	4.33660E-02
MBAINT	1.54777E-02	4.55060E-02	0.340	0.7338	9.03459E-03	FSWI	4.46335E-03	1.30223E-02	0.343	0.7318	3.71193E-01
AGEPHD	1.91682E-03	1.32752E-03	1.444	0.1488	3.08841E+01	MFSWI	1.86302E-02	1.41799E-02	1.314	0.1889	3.36345E-01
NATUPHD	-1.91580E-02	2.05383E-02	-0.933	0.3509	3.05885E-02	BAINT	1.89904E-02	3.62643E-02	0.524	0.6005	7.93753E-02
PERMPHD	2.49202E-02	1.88997E-02	1.319	0.1873	4.31079E-02	MBAINT	-2.13268E-02	9.64297E-02	-0.221	0.8250	9.03459E-03
TEMPPHD	9.88805E-03	1.92931E-02	0.513	0.6083	5.89830E-02	AGEPHD	-1.57203E-03	2.62372E-03	-0.599	0.5491	3.08841E+01
MCITPHD	2.62902E-02	2.69135E-02	0.977	0.3286	1.72948E-02	NATUPHD	4.50586E-02	3.50744E-02	1.285	0.1989	3.05885E-02
HISPAN	-4.05416E-03	1.95060E-02	-0.208	0.8354	2.98141E-02	PERMPHD	6.02699E-03	3.86551E-02	0.156	0.8761	4.31079E-02
BLACK	2.42988E-03	1.48727E-02	0.163	0.8702	4.65927E-02	TEMPPHD	-1.32489E-01	3.86499E-02	-3.428	0.0006	5.89830E-02
ASIAN	1.40134E-02	1.35729E-02	1.032	0.3019	7.56324E-02	MCITPHD	7.66183E-02	5.72842E-02	1.338	0.1811	1.72948E-02
NATAMER	4.79827E-02	4.64088E-02	1.034	0.3012	3.48477E-03	HISPAN	-3.89253E-02	3.57515E-02	-1.089	0.2763	2.98141E-02
MARRIED	-5.89148E-04	8.50904E-03	-0.069	0.9448	7.55421E-01	BLACK	3.51791E-02	2.86561E-02	1.228	0.2196	4.65927E-02
MMARRIED	3.76229E-03	1.82726E-02	0.206	0.8369	4.33660E-02	ASIAN	-3.08320E-02	2.78316E-02	-1.108	0.2679	7.56324E-02
DEP6	-9.92704E-03	6.89882E-03	-1.439	0.1502	1.92695E-01	NATAMER	1.17573E-01	1.01623E-01	1.157	0.2473	3.48477E-03
DEP618	-3.77576E-03	4.33023E-03	-0.872	0.3832	7.72457E-01	MARRIED	-4.00389E-02	1.63238E-02	-2.453	0.0142	7.55421E-01
MDEP	-1.54630E-02	1.14741E-02	-1.348	0.1778	3.84874E-01	MMARRIED	-2.24805E-02	3.32712E-02	-0.676	0.4992	4.33660E-02
WATEACH	-1.47284E-02	7.99765E-03	-1.842	0.0655	5.33299E-01	DEP6	2.58127E-02	1.27966E-02	2.017	0.0437	1.92695E-01
WAOOTH	5.85805E-02	9.08471E-03	6.448	0.0000	1.45070E-01	DEP618	-4.13195E-03	8.07898E-03	-0.511	0.6090	7.72457E-01
EMPPRI	3.50794E-02	7.20768E-03	4.867	0.0000	2.52839E-01	MDEP	-1.85264E-02	2.19818E-02	-0.843	0.3993	3.84874E-01
MEMPPRI	-1.74149E-02	2.92149E-02	-0.596	0.5511	1.23258E-01	WATEACH	9.46797E-02	1.49677E-02	6.326	0.0000	5.33299E-01
EMPRES	2.16018E-03	8.26547E-03	0.261	0.7938	2.87171E-01	WAOOTH	-2.59308E-02	2.01362E-02	-1.288	0.1978	1.45070E-01
EMPDOC	-4.52805E-02	1.42984E-02	-3.167	0.0015	9.96386E-02	EMPPRI	2.95799E-02	1.41112E-02	2.096	0.0361	2.52839E-01
MEMPCARN	1.07873E-01	2.80788E-02	3.842	0.0001	2.16185E-01	MEMPPRI	1.60154E-02	7.23071E-02	0.221	0.8247	1.23258E-01
BIO	1.36912E-02	1.55696E-02	0.879	0.3792	2.98012E-01	EMPRES	-4.19292E-03	1.53218E-02	-0.274	0.7843	2.87171E-01
HEALTH	-3.72058E-02	1.93958E-02	-1.918	0.0551	6.47909E-02	EMPDOC	9.69077E-02	2.10021E-02	4.614	0.0000	9.96386E-02
ENG	-6.80116E-02	2.41166E-02	-2.820	0.0048	5.54982E-02	MEMPCARN	6.10323E-03	7.13922E-02	0.085	0.9319	2.16185E-01
MATHCOM	-1.79103E-02	1.75769E-02	-1.019	0.3082	1.20547E-01	BIO	8.82032E-02	2.89685E-02	3.045	0.0023	2.98012E-01
PHYSOTH	3.04099E-02	1.83950E-02	1.653	0.0983	5.40785E-02	HEALTH	1.97448E-02	3.50569E-02	0.563	0.5733	6.47909E-02
CHEM	5.64572E-03	1.90640E-02	0.296	0.7671	6.14352E-02	ENG	-7.11863E-03	3.69825E-02	-0.192	0.8474	5.54982E-02
EAOSCI	-8.98165E-03	2.16760E-02	-0.414	0.6786	4.34951E-02	MATHCOM	6.20379E-02	3.10523E-02	1.998	0.0457	1.20547E-01
PSYCH	8.93552E-03	1.70559E-02	0.524	0.6004	9.69282E-02	PHYSOTH	5.60896E-02	3.63275E-02	1.544	0.1226	5.40785E-02
ECON	-4.97826E-02	2.66491E-02	-1.868	0.0618	3.23955E-02	CHEM	-2.65590E-02	3.65348E-02	-0.727	0.4673	6.14352E-02
POLYSCI	-3.79931E-02	2.51491E-02	-1.511	0.1309	2.99432E-02	EAOSCI	1.95501E-02	3.80659E-02	0.514	0.6075	4.34951E-02
SAD	-4.73667E-02	2.09052E-02	-2.266	0.0235	6.06608E-02	PSYCH	4.88681E-02	3.22283E-02	1.516	0.1294	9.69282E-02
OSSCI	-2.73620E-02	2.84839E-02	-0.961	0.3367	2.19411E-02	ECON	-2.59553E-02	4.28194E-02	-0.606	0.5444	3.23955E-02
WAVE97	-1.98656E-02	2.43221E-02	-0.817	0.4141	7.36964E-02	POLYSCI	2.38483E-02	4.35440E-02	0.548	0.5839	2.99432E-02
WAVE95	4.84481E-02	2.16197E-02	2.241	0.0250	8.01497E-02	SAD	6.14213E-02	3.54268E-02	1.734	0.0830	6.06608E-02
WAVE93	-4.88154E-02	3.43449E-02	-1.421	0.1552	9.04750E-02	OSSCI	2.75012E-02	4.77080E-02	0.576	0.5643	2.19411E-02
WAVE91	2.75060E-02	1.87624E-02	1.466	0.1426	7.69231E-02	WAVE97	1.57863E-01	4.99582E-02	3.160	0.0016	7.36964E-02
WAVE89	3.56925E-02	1.37327E-02	2.599	0.0093	1.51910E-01	WAVE95	1.78575E-01	4.11159E-02	4.343	0.0000	8.01497E-02
WAVE87	3.60026E-02	1.34349E-02	2.680	0.0074	1.55008E-01	WAVE93	1.52595E-01	8.01732E-02	1.903	0.0570	9.04750E-02
						WAVE91	9.13892E-02	3.41012E-02	2.680	0.0074	7.69231E-02

TABLE C-46. Maximum likelihood estimates for rank, logit model 6: 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	8.16802E-02	2.44798E-02	3.337	0.0008	1.51910E-01	MMARRIED	1.87182E-02	3.32541E-02	0.563	0.5735	4.33660E-02
WAVE87	9.96872E-02	2.37091E-02	4.205	0.0000	1.55008E-01	DEP6	-1.58856E-02	1.31929E-02	-1.204	0.2286	1.92695E-01
WAVE85	6.07151E-02	2.49404E-02	2.434	0.0149	1.31389E-01	DEP618	7.90771E-03	8.25044E-03	0.958	0.3378	7.72457E-01
WAVE83	3.70325E-02	2.77320E-02	1.335	0.1818	1.29582E-01	MDEP	3.39894E-02	2.23052E-02	1.524	0.1276	3.84874E-01
Marginal effects: full-professor rank											
Constant	2.87883E-01	8.43085E-02	3.415	0.0006		WATEACH	-7.99513E-02	1.52168E-02	-5.254	0.0000	5.33299E-01
FEMALE	-1.20611E-01	1.43335E-02	-8.415	0.0000	3.13758E-01	WATH	-3.26497E-02	2.02039E-02	-1.616	0.1061	1.45070E-01
YRPHD15	6.88474E-02	1.20338E-02	5.721	0.0000	4.95870E-01	EMPPRI	-6.46594E-02	1.43819E-02	-4.496	0.0000	2.52839E-01
TA	-3.14893E-02	3.52004E-02	-0.895	0.3710	5.49819E-02	MEMPPRI	1.39951E-03	7.42405E-02	0.019	0.9850	1.23258E-01
RA	7.75713E-03	3.30093E-02	0.235	0.8142	7.02117E-02	EMPRES	2.03274E-03	1.53876E-02	0.132	0.8949	2.87171E-01
FELLOW	1.63266E-02	5.79925E-02	0.282	0.7783	1.38100E-02	EMPDOC	-5.16272E-02	2.14146E-02	-2.411	0.0159	9.96386E-02
TRAIN	-3.63867E-02	3.62283E-02	-1.004	0.3152	5.48529E-02	MEMPCARN	-1.13977E-01	7.34060E-02	-1.553	0.1205	2.16185E-01
MPSOURC	-1.34330E-02	3.67121E-02	-0.366	0.7144	7.37093E-01	BIO	-1.01894E-01	2.84251E-02	-3.585	0.0003	2.98012E-01
TTD1	5.93971E-03	2.97207E-03	1.999	0.0457	8.14985E+00	HEALTH	1.74610E-02	3.44297E-02	0.507	0.6120	6.47909E-02
MTTD1	1.49983E-01	7.68617E-02	1.951	0.0510	1.62623E-02	ENG	7.51303E-02	3.58480E-02	2.096	0.0361	5.54982E-02
PDOCP	-1.34857E-01	1.63005E-02	-8.273	0.0000	3.03046E-01	MATHCOM	-4.41276E-02	3.04608E-02	-1.449	0.1474	1.20547E-01
MPDOCP	-4.90030E-02	3.64332E-02	-1.345	0.1786	4.33660E-02	PHYSOTH	-8.64995E-02	3.61233E-02	-2.395	0.0166	5.40785E-02
FSWI	-1.39627E-02	1.31860E-02	-1.059	0.2896	3.71193E-01	CHEM	2.09133E-02	3.59943E-02	0.581	0.5612	6.14352E-02
MFSWI	-3.39489E-02	1.44565E-02	-2.348	0.0189	3.36345E-01	EAOSCI	-1.05684E-02	3.73979E-02	-0.283	0.7775	4.34951E-02
BAINT	-2.74819E-03	3.63928E-02	-0.076	0.9398	7.93753E-02	PSYCH	-5.78036E-02	3.17766E-02	-1.819	0.0689	9.69282E-02
MBAINT	5.84907E-03	9.47029E-02	0.062	0.9508	9.03459E-03	ECON	7.57379E-02	4.16368E-02	1.819	0.0689	3.23955E-02
AGEPHD	-3.44786E-04	2.63276E-03	-0.131	0.8958	3.08841E+01	POLYSCI	1.41449E-02	4.30679E-02	0.328	0.7426	2.99432E-02
NATUPHD	-2.59006E-02	3.59262E-02	-0.721	0.4709	3.05885E-02	SAD	-1.40546E-02	3.50436E-02	-0.401	0.6884	6.06608E-02
PERMPHD	-3.09472E-02	3.93251E-02	-0.787	0.4313	4.31079E-02	OSSCI	-1.39165E-04	4.71481E-02	-0.003	0.9976	2.19411E-02
TEMPPHD	1.22601E-01	3.85584E-02	3.180	0.0015	5.89830E-02	WAVE97	-1.37998E-01	5.08695E-02	-2.713	0.0067	7.36964E-02
MCITPHD	-1.02909E-01	5.90118E-02	-1.744	0.0812	1.72948E-02	WAVE95	-2.27023E-01	4.20339E-02	-5.401	0.0000	8.01497E-02
HISPAN	4.29794E-02	3.57172E-02	1.203	0.2288	2.98141E-02	WAVE93	-1.03780E-01	8.22262E-02	-1.262	0.2069	9.04750E-02
BLACK	-3.76090E-02	2.91545E-02	-1.290	0.1971	4.65927E-02	WAVE91	-1.18895E-01	3.42394E-02	-3.472	0.0005	7.69231E-02
ASIAN	1.68186E-02	2.80524E-02	0.600	0.5488	7.56324E-02	WAVE89	-1.17373E-01	2.42830E-02	-4.834	0.0000	1.51910E-01
NATAMER	-1.65556E-01	1.07849E-01	-1.535	0.1248	3.48477E-03	WAVE87	-1.35690E-01	2.35241E-02	-5.768	0.0000	1.55008E-01
MARRIED	4.06281E-02	1.66910E-02	2.434	0.0149	7.55421E-01	WAVE85	-9.61160E-02	2.46615E-02	-3.897	0.0001	1.31389E-01
						WAVE83	-3.19299E-02	2.73257E-02	-1.168	0.2426	1.29582E-01

NOTES: Dependent variable: RANK1; 7748 observations; 7 iterations; log likelihood function = -6903.793; restricted log likelihood = -7384.218; Chi-squared = 960.8496; d.f. = 112; significance = .0000000.