

# Supplementary Materials

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Table 1: Discipline statistics and mean values on variables, part 1

discipline	field	n	h-index	% female
Accounting	Professional	44	24.1	24.6%
Acoustics	STEM	212	31.4	13.2%
Aerospace & Aeronautics	STEM	551	24.4	9.1%
Agricultural Economics & Policy	Social Sciences	63	32.4	17.3%
Agronomy & Agriculture	STEM	312	35.2	12.2%
Allergy	Medical	118	51.9	21.1%
Analytical Chemistry	STEM	374	41.7	16.2%
Anatomy & Morphology	Medical	34	27.7	44.1%
Anesthesiology	Medical	284	40.2	15.0%
Anthropology	Humanities	104	29.7	29.3%
Applied Ethics	Humanities	67	30.9	25.0%
Applied Mathematics	STEM	113	37.8	11.6%
Applied Physics	STEM	1198	44.7	10.6%
Archaeology	Humanities	87	24.8	26.3%
Architecture	Professional	8	9.9	32.0%
Art Practice, History & Theory	Humanities	15	8.0	59.6%
Arthritis & Rheumatology	Medical	212	57.4	26.5%
Artificial Intelligence & Image Processing	STEM	1160	33.0	16.4%
Astronomy & Astrophysics	STEM	759	54.9	13.0%
Automobile Design & Engineering	STEM	1	13.0	0.4%
Behavioral Science & Comparative Psychology	Social Sciences	154	37.1	34.9%
Biochemistry & Molecular Biology	Medical	1325	54.3	18.3%
Bioinformatics	STEM	171	45.6	15.5%
Biomedical Engineering	STEM	416	44.6	21.7%
Biophysics	Medical	133	46.2	17.3%
Biotechnology	STEM	234	41.5	14.5%
Building & Construction	Professional	105	29.9	10.2%
Business & Management	Professional	460	31.6	22.2%

Cardiovascular System & Hematology	Medical	1380	62.3	15.9%
Chemical Engineering	STEM	228	38.3	10.5%
Chemical Physics	STEM	638	51.0	12.6%
Civil Engineering	STEM	221	25.5	10.4%
Classics	Humanities	14	11.9	13.0%
Clinical Psychology	Social Sciences	177	46.4	25.1%
Communication & Media Studies	Humanities	117	25.5	38.0%
Complementary & Alternative Medicine	Medical	55	22.2	32.8%
Computation Theory & Mathematics	STEM	136	34.6	10.7%
Computer Hardware & Architecture	STEM	199	33.7	8.1%
Criminology	Social Sciences	124	34.7	25.2%
Cultural Studies	Social Sciences	38	13.7	32.3%
Dairy & Animal Science	STEM	258	34.0	12.4%
Demography	Social Sciences	26	31.5	38.6%
Dentistry	Medical	320	36.1	14.6%
Dermatology & Venereal Diseases	Medical	255	46.9	26.0%
Design Practice & Management	Professional	76	28.2	14.4%
Development Studies	Professional	22	27.9	28.3%
Developmental & Child Psychology	Social Sciences	402	45.2	43.8%
Developmental Biology	Medical	1597	59.3	21.6%
Distributed Computing	STEM	116	29.3	8.2%
Drama & Theater	Humanities	6	8.0	62.6%
Ecology	STEM	677	42.8	18.5%
Econometrics	Social Sciences	39	33.1	9.0%
Economic Theory	Social Sciences	13	26.2	8.3%
Economics	Social Sciences	459	30.2	12.7%
Education	Social Sciences	552	25.1	38.6%
Electrical & Electronic Engineering	STEM	355	28.9	11.7%
Emergency & Critical Care Medicine	Medical	255	45.4	9.7%
Endocrinology & Metabolism	Medical	847	56.8	25.7%
Energy	STEM	888	31.9	12.0%
Entomology	STEM	191	34.8	13.7%
Environmental & Occupational Health	Medical	81	34.4	32.3%
Environmental Engineering	STEM	288	35.8	11.4%
Environmental Sciences	STEM	355	37.4	17.2%
Epidemiology	Medical	133	63.8	36.1%
Evolutionary Biology	STEM	353	42.0	15.4%
Experimental Psychology	Social Sciences	480	41.3	30.4%
Family Studies	Social Sciences	42	33.0	43.0%
Finance	Professional	127	27.0	11.6%
Fisheries	STEM	160	34.0	7.9%
Fluids & Plasmas	STEM	336	42.7	7.0%
Folklore	Humanities	5	10.6	0.4%

Food Science	STEM	174	37.4	19.8%
Forestry	STEM	148	28.4	10.0%
Gastroenterology & Hepatology	Medical	524	53.7	13.8%
Gender Studies	Social Sciences	13	18.3	63.1%
General & Internal Medicine	Medical	643	40.4	25.5%
General Chemistry	STEM	222	50.2	18.7%
General Clinical Medicine	Medical	61	29.4	14.3%
General Mathematics	STEM	330	25.1	7.7%
General Physics	STEM	302	39.9	9.6%
General Psychology & Cognitive Sciences	Social Sciences	44	29.2	42.0%
Genetics & Heredity	Medical	265	58.5	32.7%
Geochemistry & Geophysics	STEM	698	42.7	10.0%
Geography	Social Sciences	82	27.7	20.9%
Geological & Geomatics Engineering	STEM	292	33.3	16.5%
Geology	STEM	45	32.8	13.8%
Geriatrics	Medical	76	54.7	34.5%
Gerontology	Medical	102	46.7	45.9%
Health Policy & Services	Medical	176	43.6	22.5%
History	Humanities	65	11.1	22.7%
History of Science, Technology & Medicine	Humanities	5	15.6	60.0%
History of Social Sciences	Social Sciences	19	19.5	5.7%
Horticulture	STEM	51	25.9	24.5%
Human Factors	Social Sciences	141	35.5	28.5%
Immunology	Medical	1186	62.9	21.4%
Industrial Engineering & Automation	STEM	503	34.3	11.6%
Industrial Relations	Professional	9	18.3	33.6%
Information & Library Sciences	Social Sciences	75	20.0	42.7%
Information Systems	STEM	180	33.1	22.7%
Inorganic & Nuclear Chemistry	STEM	175	47.1	14.2%
International Relations	Social Sciences	60	20.6	15.2%
Languages & Linguistics	Humanities	82	20.2	51.7%
Law	Social Sciences	113	17.3	13.3%
Legal & Forensic Medicine	Medical	28	24.4	7.0%
Literary Studies	Humanities	100	9.7	42.4%
Logistics & Transportation	Professional	159	28.4	24.8%
Marine Biology & Hydrobiology	STEM	265	42.2	16.4%
Marketing	Professional	124	31.1	22.9%
Materials	STEM	713	37.9	13.6%
Mathematical Physics	STEM	15	31.7	0.4%
Mechanical Engineering & Transports	STEM	484	31.2	9.2%
Medical Informatics	STEM	104	33.2	18.4%
Medicinal & Biomolecular Chemistry	STEM	419	38.2	17.3%
Meteorology & Atmospheric Sciences	STEM	814	47.5	11.9%

Microbiology	Medical	1028	52.6	21.6%
Microscopy	Medical	26	37.7	5.8%
Mining & Metallurgy	STEM	43	21.7	17.7%
Music	Humanities	21	12.5	19.5%
Mycology & Parasitology	Medical	79	37.9	20.0%
Nanoscience & Nanotechnology	STEM	449	57.2	20.0%
Networking & Telecommunications	STEM	1153	31.5	14.3%
Neurology & Neurosurgery	Medical	2849	56.1	20.3%
Nuclear & Particle Physics	STEM	666	49.1	9.2%
Nuclear Medicine & Medical Imaging	Medical	842	44.8	17.1%
Numerical & Computational Mathematics	STEM	94	29.6	14.0%
Nursing	Medical	318	27.7	87.3%
Nutrition & Dietetics	Medical	251	49.1	43.8%
Obstetrics & Reproductive Medicine	Medical	461	46.4	26.5%
Oceanography	STEM	146	38.6	10.1%
Oncology & Carcinogenesis	Medical	2155	61.5	24.4%
Operations Research	STEM	168	31.8	11.3%
Ophthalmology & Optometry	Medical	529	45.3	19.1%
Optics	STEM	388	40.6	13.9%
Optoelectronics & Photonics	STEM	636	29.7	10.6%
Organic Chemistry	STEM	421	49.5	10.5%
Ornithology	STEM	26	30.3	4.3%
Orthopedics	Medical	519	45.0	6.1%
Otorhinolaryngology	Medical	308	35.7	19.5%
Paleontology	STEM	154	39.8	16.4%
Pathology	Medical	198	54.8	26.0%
Pediatrics	Medical	480	41.2	27.5%
Pharmacology & Pharmacy	Medical	475	40.5	17.4%
Philosophy	Humanities	100	17.2	16.8%
Physical Chemistry	STEM	69	50.4	9.5%
Physiology	Medical	193	44.2	11.7%
Plant Biology & Botany	STEM	571	43.0	23.6%
Political Science & Public Administration	Social Sciences	186	26.2	14.2%
Polymers	STEM	335	45.5	11.4%
Psychiatry	Medical	751	58.9	25.8%
Psychoanalysis	Social Sciences	28	20.0	22.7%
Public Health	Medical	530	46.9	39.0%
Rehabilitation	Medical	160	36.9	37.9%
Religions & Theology	Humanities	68	13.3	16.5%
Respiratory System	Medical	428	54.8	10.6%
Science Studies	Social Sciences	20	26.2	10.9%
Social Psychology	Social Sciences	371	40.2	27.2%
Social Sciences Methods	Social Sciences	57	31.9	12.4%

Social Work	Social Sciences	69	22.3	49.2%
Sociology	Social Sciences	140	26.2	23.5%
Software Engineering	STEM	197	34.0	19.2%
Speech-Language Pathology & Audiology	Medical	94	32.4	44.8%
Sport Sciences	Medical	136	39.1	16.2%
Sport, Leisure & Tourism	Professional	41	29.8	28.1%
Statistics & Probability	STEM	196	39.6	11.5%
Strategic, Defence & Security Studies	STEM	148	24.9	18.0%
Substance Abuse	Medical	254	47.7	28.1%
Surgery	Medical	737	47.8	14.3%
Toxicology	Medical	385	43.8	23.0%
Tropical Medicine	Medical	151	39.5	16.1%
Urban & Regional Planning	Professional	53	25.8	26.8%
Urology & Nephrology	Medical	591	52.5	11.8%
Veterinary Sciences	STEM	393	32.5	28.7%
Virology	Medical	563	55.7	21.8%
Zoology	STEM	86	24.7	13.4%

Table 2: Discipline statistics and mean values on variables, part 2

discipline	% sole auth,	career len.	spec.	uni. count
Accounting	22.0%	31.6	0.944	171.9
Acoustics	11.6%	37.2	0.581	228.6
Aerospace & Aeronautics	11.2%	35.0	0.723	186.6
Agricultural Economics & Policy	19.3%	34.7	0.649	295.2
Agronomy & Agriculture	6.0%	35.2	0.617	175.6
Allergy	11.7%	38.4	0.904	154.7
Analytical Chemistry	6.3%	35.6	0.599	189.9
Anatomy & Morphology	11.2%	32.0	0.521	105.2
Anesthesiology	10.7%	33.8	0.901	195.1
Anthropology	41.5%	40.4	0.546	279.5
Applied Ethics	36.1%	36.9	0.480	172.0
Applied Mathematics	15.1%	37.4	0.616	252.6
Applied Physics	6.1%	36.6	0.714	205.4
Archaeology	30.6%	33.7	0.740	246.9
Architecture	37.3%	31.9	0.576	202.6
Art Practice, History & Theory	90.3%	29.5	0.584	280.7
Arthritis & Rheumatology	8.9%	36.7	0.880	184.3
Artificial Intelligence & Image Processing	9.8%	29.1	0.750	200.4
Astronomy & Astrophysics	7.1%	33.5	0.896	201.0
Automobile Design & Engineering	7.1%	40.0	0.929	1.0

Behavioral Science & Comparative Psychology	17.6%	39.1	0.570	232.4
Biochemistry & Molecular Biology	5.8%	40.1	0.655	176.9
Bioinformatics	7.1%	31.3	0.427	223.1
Biomedical Engineering	4.9%	33.2	0.493	256.3
Biophysics	8.4%	38.1	0.628	216.7
Biotechnology	6.0%	32.9	0.472	189.6
Building & Construction	10.1%	32.0	0.595	286.1
Business & Management	18.9%	32.5	0.794	128.2
Cardiovascular System & Hematology	7.6%	36.7	0.848	175.8
Chemical Engineering	6.8%	36.6	0.570	191.1
Chemical Physics	7.2%	39.1	0.598	216.7
Civil Engineering	12.5%	35.1	0.658	234.2
Classics	92.0%	34.0	0.731	360.8
Clinical Psychology	12.5%	35.3	0.671	187.6
Communication & Media Studies	26.4%	29.8	0.596	277.5
Complementary & Alternative Medicine	26.8%	30.1	0.773	138.3
Computation Theory & Mathematics	14.8%	34.1	0.834	277.6
Computer Hardware & Architecture	6.2%	30.6	0.766	290.4
Criminology	19.8%	35.1	0.704	188.0
Cultural Studies	80.9%	33.8	0.700	312.3
Dairy & Animal Science	5.9%	37.7	0.746	198.6
Demography	27.6%	39.9	0.625	256.6
Dentistry	13.9%	38.0	0.859	187.8
Dermatology & Venereal Diseases	11.7%	37.5	0.884	177.2
Design Practice & Management	10.1%	31.5	0.494	239.0
Development Studies	33.8%	33.6	0.621	192.0
Developmental & Child Psychology	11.1%	36.7	0.637	223.9
Developmental Biology	6.7%	34.8	0.721	244.0
Distributed Computing	7.6%	32.1	0.842	199.4
Drama & Theater	78.5%	35.3	0.590	247.5
Ecology	10.8%	34.3	0.734	217.2
Econometrics	22.5%	33.6	0.849	290.1
Economic Theory	34.6%	42.8	0.778	284.3
Economics	31.5%	34.1	0.831	253.2
Education	25.1%	33.2	0.781	249.6
Electrical & Electronic Engineering	8.4%	29.3	0.710	179.9
Emergency & Critical Care Medicine	9.1%	33.2	0.857	139.7
Endocrinology & Metabolism	7.1%	37.9	0.746	186.0
Energy	8.8%	34.5	0.646	169.7
Entomology	10.0%	36.7	0.723	190.2
Environmental & Occupational Health	11.1%	37.2	0.602	187.5
Environmental Engineering	9.4%	36.1	0.592	218.1
Environmental Sciences	8.1%	33.5	0.530	175.2

Epidemiology	5.7%	36.7	0.479	175.7
Evolutionary Biology	12.9%	33.3	0.710	247.2
Experimental Psychology	14.0%	36.5	0.698	257.6
Family Studies	16.4%	36.0	0.637	233.3
Finance	21.9%	32.8	0.934	98.5
Fisheries	7.5%	36.7	0.579	140.7
Fluids & Plasmas	11.5%	39.9	0.732	217.4
Folklore	50.4%	42.8	0.463	226.2
Food Science	8.1%	35.7	0.628	214.6
Forestry	7.5%	32.4	0.562	144.2
Gastroenterology & Hepatology	9.9%	35.6	0.861	177.3
Gender Studies	57.3%	38.1	0.624	207.0
General & Internal Medicine	13.9%	31.9	0.696	212.3
General Chemistry	3.5%	32.7	0.656	269.7
General Clinical Medicine	14.0%	36.1	0.840	150.0
General Mathematics	30.1%	39.0	0.837	267.6
General Physics	11.5%	37.8	0.882	217.0
General Psychology & Cognitive Sciences	16.3%	32.8	0.758	220.4
Genetics & Heredity	5.7%	37.9	0.566	201.7
Geochemistry & Geophysics	10.3%	38.8	0.845	209.8
Geography	39.6%	33.0	0.608	280.0
Geological & Geomatics Engineering	11.4%	35.2	0.630	210.6
Geology	17.1%	40.5	0.875	142.2
Geriatrics	10.3%	37.8	0.723	215.2
Gerontology	13.2%	36.1	0.539	240.0
Health Policy & Services	12.4%	33.6	0.577	211.6
History	77.6%	36.0	0.645	228.7
History of Science, Technology & Medicine	57.1%	38.6	0.566	202.4
History of Social Sciences	47.9%	39.7	0.536	313.8
Horticulture	10.7%	31.4	0.628	174.0
Human Factors	10.3%	30.3	0.583	270.4
Immunology	5.4%	36.1	0.780	190.9
Industrial Engineering & Automation	8.4%	32.0	0.718	252.6
Industrial Relations	39.4%	33.2	0.756	75.2
Information & Library Sciences	31.7%	28.1	0.714	223.7
Information Systems	14.6%	31.5	0.769	146.3
Inorganic & Nuclear Chemistry	4.3%	39.8	0.755	183.5
International Relations	59.7%	34.5	0.733	221.0
Languages & Linguistics	54.3%	32.5	0.760	283.3
Law	63.0%	26.6	0.797	160.6
Legal & Forensic Medicine	14.8%	32.6	0.749	96.6
Literary Studies	86.5%	27.3	0.687	290.1
Logistics & Transportation	11.7%	31.1	0.666	224.8

Marine Biology & Hydrobiology	9.0%	39.1	0.659	115.0
Marketing	15.6%	32.0	0.836	102.6
Materials	7.2%	36.1	0.626	193.1
Mathematical Physics	19.9%	44.4	0.779	261.1
Mechanical Engineering & Transports	12.7%	38.3	0.646	199.4
Medical Informatics	9.8%	32.4	0.588	213.5
Medicinal & Biomolecular Chemistry	4.9%	34.2	0.605	102.4
Meteorology & Atmospheric Sciences	8.0%	36.9	0.788	191.7
Microbiology	6.4%	36.6	0.672	176.3
Microscopy	9.7%	39.3	0.458	179.8
Mining & Metallurgy	11.4%	40.2	0.705	142.1
Music	54.7%	31.6	0.719	258.2
Mycology & Parasitology	7.2%	38.5	0.653	115.1
Nanoscience & Nanotechnology	3.1%	25.2	0.495	265.4
Networking & Telecommunications	8.2%	29.9	0.805	218.5
Neurology & Neurosurgery	7.7%	36.7	0.771	202.5
Nuclear & Particle Physics	13.1%	36.5	0.968	213.9
Nuclear Medicine & Medical Imaging	7.0%	34.9	0.863	224.0
Numerical & Computational Mathematics	18.5%	39.1	0.734	201.5
Nursing	23.2%	33.8	0.717	206.6
Nutrition & Dietetics	9.7%	37.7	0.568	170.5
Obstetrics & Reproductive Medicine	9.3%	37.4	0.837	169.3
Oceanography	11.9%	40.3	0.740	140.5
Oncology & Carcinogenesis	5.4%	34.9	0.783	174.8
Operations Research	16.2%	36.4	0.671	189.6
Ophthalmology & Optometry	8.7%	38.6	0.852	167.2
Optics	7.1%	30.4	0.580	212.0
Optoelectronics & Photonics	8.4%	34.9	0.552	132.0
Organic Chemistry	5.0%	36.2	0.794	220.4
Ornithology	11.8%	36.3	0.775	169.0
Orthopedics	9.2%	34.4	0.896	139.9
Otorhinolaryngology	9.2%	36.3	0.875	173.3
Paleontology	14.5%	38.1	0.754	190.2
Pathology	6.7%	35.4	0.928	180.1
Pediatrics	9.9%	36.2	0.773	137.1
Pharmacology & Pharmacy	7.6%	35.3	0.704	151.8
Philosophy	82.1%	36.3	0.708	271.6
Physical Chemistry	4.7%	34.4	0.524	171.3
Physiology	9.2%	39.0	0.587	187.2
Plant Biology & Botany	6.3%	34.6	0.651	232.1
Political Science & Public Administration	38.8%	33.7	0.775	293.9
Polymers	6.3%	36.6	0.595	196.9
Psychiatry	8.5%	37.0	0.745	192.3



Psychoanalysis	68.3%	42.1	0.883	132.6
Public Health	8.5%	34.5	0.549	199.2
Rehabilitation	10.3%	35.4	0.629	175.1
Religions & Theology	63.1%	30.9	0.616	168.1
Respiratory System	8.4%	36.7	0.844	187.2
Science Studies	49.9%	39.9	0.511	279.4
Social Psychology	15.1%	36.4	0.729	236.9
Social Sciences Methods	23.1%	37.7	0.566	262.1
Social Work	23.3%	30.4	0.673	251.3
Sociology	39.8%	34.5	0.718	325.7
Software Engineering	10.8%	30.6	0.846	239.5
Speech-Language Pathology & Audiology	13.6%	35.8	0.611	212.6
Sport Sciences	10.0%	32.2	0.728	179.2
Sport, Leisure & Tourism	17.7%	28.2	0.805	119.3
Statistics & Probability	14.4%	35.6	0.566	301.0
Strategic, Defence & Security Studies	27.4%	34.1	0.508	172.3
Substance Abuse	7.7%	36.9	0.591	159.5
Surgery	8.8%	34.8	0.927	161.6
Toxicology	7.4%	38.7	0.566	135.8
Tropical Medicine	6.3%	35.1	0.563	133.9
Urban & Regional Planning	41.3%	35.5	0.564	320.0
Urology & Nephrology	10.6%	36.2	0.885	172.4
Veterinary Sciences	8.8%	35.9	0.744	218.3
Virology	5.1%	36.9	0.690	175.5
Zoology	15.0%	35.0	0.795	111.4

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