



Appendix

How much is *your* job changing? See where specific occupations fit, relative to each other, along our Skill Disruption Index, from 100 (data engineer) to 0 (mystery shopper).

The Skill Disruption Index by Occupation

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Data engineer	100	Biomedical engineer	78
Data scientist	95	Director of rehabilitation	78
Web developer	94	Accounting supervisor	78
Validation engineer	90	Sustainability specialist	78
Network engineer/architect	88	Medical transcriptionist	78
Business intelligence architect/ developer	88	Business intelligence analyst	78
Database architect	88	IT project manager	78
Industrial designer	87	Sales engineer	77
Software developer/engineer	86	Interior designer	77
Computer systems engineer/architect	83	Mechatronics engineer	77
Advertising/promotions manager	83	Chief information officer/director of information technology	76
Computer programmer	83	Marketing assistant/associate	76
Robotics engineer	83	Quality inspector/technician	76
UI/UX designer/developer	83	Web designer	76
Mobile applications developer	82	Customer service manager	75
Industrial-organizational psychologist	82	Product manager	75
Database administrator	82	Test technician	75
Financial quantitative analyst	82	Mathematician	75
Data/data mining analyst	81	Aerospace engineer	75
Computer scientist	81	Technology consultant	75
Webmaster/administrator	81	Solar sales representative	75
Data warehousing specialist	80	Community health worker	74
Printer/copier/scanner operator	79	Fitness/wellness manager	74
Cyber/information security engineer/analyst	79	Product development engineer	74
Biostatistician	79	Multimedia designer/ animator	74
Statistician	79	Market research analyst	74
Engineering manager	79	Network/systems support specialist	74
Marketing specialist	79	Network/systems administrator	74
Solar engineer	79	Ergonomist	73
Technical sales representative	78	E-commerce analyst	73

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Systems analyst	73	Alternative energy manager	71
Food and agricultural scientist/technologist	73	Energy analyst/suditor	71
Epidemiologist	73	Geographer/GIS specialist	70
Business continuity planner/analyst	73	Compensation/benefits analyst	70
Security manager	72	Investment underwriter	70
Securities/commodities trader	72	Corporate development analyst/manager	70
Advertising sales representative	72	Medical coder	70
Clinical data systems specialist/manager	72	Energy engineer	70
Marketing manager	72	Audio/visual technician	70
Night auditor	72	RF engineer	70
Risk manager/analyst	72	Security/defense intelligence analyst	70
Pricing analyst	72	Medical office/practice manager	70
Medical/pharmaceutical sales representative	72	Media planner/buyer	70
Talent acquisition/recruiting manager	71	EKG technician	70
Software QA engineer/tester	71	Operations and maintenance specialist	70
Physicist	71	Nuclear engineer	70
Reservoir/petroleum engineer	71	Mining engineer	69
Public relations/communications specialist	71	Natural science research manager	69
Product demonstrator	71	Medical records/coding supervisor	69
Actuary	71	Telecommunications engineering specialist	69
Treasurer/controller	71	Technical writer	69
Operations analyst	71	General engineering technician/technologist	69
Social science researcher	71	Banking branch manager	69
Document control/management specialist	71	Hydrologist	69
Intensive/critical care nurse	71	Hardware engineer	69
Forest/conservation technician	71	Art director	69
Search engine optimization specialist	71	Health information manager/director	68
Telemarketer	71	Social media strategist/specialist	68
Economist	71	Veterinary assistant	68

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Account executive	68	Geologist	66
Clinical analyst/clinical documentation and improvement specialist	68	Sales assistant	66
Energy efficiency specialist	67	Merchandising manager	65
Communications/public relations manager	67	Logistics/supply chain analyst	65
Soil/plant scientist	67	Copywriter	65
Electronics engineer	67	Electrical/electronic designer	65
Graphic designer/desktop publisher	67	Accountant	65
Water/wastewater engineer	67	Travel agent	65
Financial services sales agent	67	Office manager	65
Biological technician	67	Vocational rehabilitation counselor	65
Physical/geoscience technician	67	Environmental engineer	65
Artist/illustrator	67	Automotive electronics installer	65
Satellite/broadband technician	67	Financial manager	65
Payroll manager	67	Lawn care/pesticide technician	65
Event planner	67	Geophysicist	65
Nursing home/home health administrator	66	Legal support specialist	65
Veterinary technician/technologist	66	Solar installer	65
Financial analyst	66	Sound engineering technician	65
Financial reporting manager	66	Fundraising manager	65
Personal financial advisor	66	Behavior analyst	65
Emergency management director	66	Grants manager/administrator	65
Optical/laser engineer	66	Wind turbine technician	64
Business/management analyst	66	Supply chain/logistics manager	64
Cytogenetic technologist/cytotechnologist	66	Conservation scientist/park ranger	64
Wildlife biologist	66	Biomedical equipment technician	64
Environmental engineering technician	66	Personal banker/banking sales staff	64
Materials engineer	66	Controls/valve technician	64
Computer support specialist	66	Telemetry technician	64
Human resources manager	66	Patient advocate/navigator	64
		Radio technician	64
		Crime scene/forensic science technician	64
		Fish hatchery manager/technician	64
		Fire chief/marshal	64

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Robotics technician	64	Brokerage clerk	63
Loss prevention/asset protection specialist	64	Video game designer	63
Enrollment/eligibility specialist	64	Contract administrator	63
Program manager	64	Curriculum and instructional designer/developer	63
Marine engineer/architect	64	Budget analyst	63
Fraud examiner/analyst	64	Industrial engineer	63
Probation officer/correctional treatment specialist	64	Financial examiner	63
Physical scientist	64	Recruiter	63
Auditor	64	Training and development manager	63
Administrative manager	64	Food/agricultural inspector	63
Hearing screener/technician	64	Regulatory affairs specialist	63
Power distributor/plant operator	64	Architect	63
Policy analyst	64	Survey researcher	62
Acupuncturist	64	Chemical/process engineer	62
Transportation security officer	63	Biochemist	62
Health and safety engineer	63	Physical therapy aide	62
Forester	63	Meteorologist	62
Chief executive officer	63	Clinical auditor/utilization reviewer	62
Legal secretary	63	Security management specialist	62
Biologist	63	Compliance manager	62
Archeologist	63	Curator/museum director	62
Business development/sales manager	63	Account manager/representative	62
Manufacturing engineer	63	Physician assistant	61
Call center manager	63	Occupational therapy assistant	62
Accounts payable/receivable manager	63	Writer	62
Etcher/engraver	63	Medical records clerk/technician	62
Nursery/greenhouse manager	63	General manager	62
Tower climber/technician	63	Field service technician	62
Cable technician/installer	63	Surveillance officer/investigator	61
Financial operations specialist	63	Fashion designer	61
Compensation and benefits manager	63	Fish/game warden	61
		Auto damage appraiser	61

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Teller	61	Safety manager	60
Credit analyst/authorizer	61	Medical director	60
Immigration/customs inspector	61	Operations manager/supervisor	60
Laboratory manager	61	Landscape architect	60
Dental assistant	61	Midwife/nurse midwife	60
Administrative supervisor	61	Data entry clerk	60
Clinical research coordinator/manager	61	Medical biller	60
Payroll specialist	61	Career counselor	60
Transportation engineer	61	Quality control systems manager	60
Mechanical engineer	61	Tax analyst/specialist	60
Electrical engineer	61	Judge	60
Sales supervisor	61	Medical secretary	60
Human resources/labor relations specialist	61	Clinical nurse educator	60
Health information technician/cancer registrar	61	Refrigeration technician	60
Recycling coordinator	61	Underwriting assistant	60
Water resource specialist	61	Director of instruction/curriculum specialist	59
Fundraising/development specialist	61	Oil/Gas field service technician	59
Public administrator	61	Nurse practitioner	59
Civil engineering technician	61	Bookkeeper/accounting clerk	59
Collections manager	61	Floral designer	59
Radio/television announcer	61	Producer	59
Environmental compliance specialist	60	Procurement/sourcing manager	59
Ophthalmic technician	60	Estimator	59
Editor	60	Dialysis technician	59
Customs broker	60	Proofreader	59
Childcare/preschool director	60	Credit/loan counselor	59
Surveyor	60	Logistician/supply chain specialist	59
Purchasing assistant	60	Dietitian/nutritionist	59
Project manager	60	Genetic counselor	59
Computer operator	60	Quality control analyst	59
Microbiologist	60	Executive assistant	59
		Youth counselor/worker	59

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Dental hygienist	59	Civil engineer	57
Paralegal/legal assistant	59	Credit checker/clerk	57
Mental health/psychiatric technician	59	Avionics technician	57
Loan officer	59	Facilities manager	57
Health educator/coach	59	Alarm/security system technician	57
Compliance officer/analyst	58	Researcher/research associate	57
Production plant manager	58	Weatherization installer	57
Orthoptist	58	Billing clerk/specialist	57
Energy broker	58	Millwright	57
Inventory/supply specialist	58	Tutor	57
Mental health assistant	58	Health care administrator	57
Mechanical/electrical drafter	58	Social/human service assistant	57
Video editor	58	Chemical technician	57
Hotel manager	58	Electrical substation/relay repairer	56
Vocational education instructor	58	Nurse anesthetist	56
Tax manager	58	Nursing instructor/professor	56
Archivist	58	Quarry worker/blaster	56
Substance abuse counselor	58	Landfill gas technician	56
Transportation inspector	58	Chemist	56
Physical therapist	58	Civil/architectural designer/drafter	56
Property appraiser/assessor	58	Membership sales representative	56
Urban/transportation planner	58	Licensed practical/vocational nurse	56
Human resources assistant	58	Buyer/purchasing agent	56
Safety specialist/coordinator	58	Air traffic controller	56
Clinical case manager	58	CAD designer/drafter	56
Training and development specialist	58	Medical/clinical social worker	56
Criminal investigator	58	Stage manager	56
Transportation manager	58	Municipal/license/court clerk	56
Sheriff	58	Law clerk	56
Parts specialist/salesperson	58	Medical scientist	56
Case worker	57	Sales representative	56
		Residential assistant/advisor	56

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Salon/spa manager	56	Veterinarian	54
Registrar/patient service representative	56	Home appliance repairer	54
Medical assistant	56	Pilot instructor	54
Office technician/typist	56	Scheduler/operations coordinator	54
Concierge	55	Industrial/mechanical engineering technician	54
Chef	55	Maintenance/service supervisor	54
Physical therapy assistant	55	Clinical nurse specialist	54
Attorney	55	Flight attendant	54
Set/exhibit designer	55	Surveying/mapping technician	54
Occupational therapy aide	55	Pipeline worker/operator	54
Emergency room/department technician	55	College professor/instructor	54
Construction manager	55	Actor	54
Director of nursing	55	Food production worker	54
Health technician/technologist (other)	55	Family/behavioral therapist	54
Title examiner/clerk	55	Pharmacist/pharmacy director	53
Chiropractor	55	Librarian	53
Property/real estate/community manager	55	Construction foreman	53
Fire inspector/investigator	55	Optician	53
Occupational therapist	55	Home health aide	53
Phlebotomist	55	Environmental technician	53
Environmental planner/scientist	55	Aviation/aircraft inspector	53
Exercise physiologist/specialist	55	Elementary and secondary school administrator	53
Real estate agent/broker	55	Customer service representative	53
Hotel desk clerk	55	Nondestructive testing specialist	53
Broadcast technician	55	Police chief/sergeant	53
Office/administrative assistant	55	Orthotist/prosthetist	53
Social/human services manager	54	Food/agricultural technician	53
Art/music/recreational therapist	54	Bailiff	53
Audiologist	54	Prepress technician	53
Funeral director/embalmer	54	Patient transporter	53
		Insurance sales agent	53
		Automotive glass installer	53

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Transportation supervisor	53	Landscaping/grounds supervisor	51
Director of religious education	53	Claims specialist/adjuster/examiner	51
Housekeeping/environmental services supervisor	53	Stationary engineer/boiler operator	51
Reporter	52	Umpire/referee	51
Repair/service technician	52	Travel/tour guide	51
Cargo coordinator/freight forwarder	52	Plumber	51
Dental laboratory technician	52	Tailor/seamstress	51
Heat-treating technician	52	Academic/guidance counselor	51
Aircraft/A&P mechanic	52	EMT/paramedic	51
Pest control technician	52	File clerk	51
Retail store manager/supervisor	52	Merchandiser/ad set associate	51
Locksmith	52	Production supervisor	51
Athletic trainer	52	Electrician	51
Insurance claims/policy clerk	52	Driller/drill operator	51
Boilermaker	52	Maintenance helper/assistant	51
Farm/ranch manager	52	Security officer	50
Makeup artist	52	Loan processor/assistant	50
Enrollment/admission counselor	52	Tire changer/technician	50
Animal control officer	52	Retail sales associate	50
Small engine mechanic	52	Jeweler	50
Endoscopy technician	52	Pharmacy technician	50
College/university administrator	52	Pilot	50
Fuel service attendant	52	Butcher/meat cutter	50
Mental health/behavioral counselor	52	Financial aid counselor/specialist	50
Railroad conductor	52	Interpreter/translator	50
Electrical and electronics technician	52	Videographer	50
Hazardous materials worker	52	Chemical operator	50
Storage/distribution manager	52	Family/school/general social worker	49
Nursing manager/supervisor	51	Inventory associate	49
CNC programmer	51	Restaurant/food service manager	49
Pharmacy aide	51	Insurance underwriter	49
Receptionist	51	Water treatment specialist/wastewater operator	49

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Bill and account collector	49	Self-enrichment teacher	48
Gaming supervisor	49	Optometrist	48
Registered nurse	49	Tool and die maker	48
Warehouse/distribution supervisor	49	Pipe fitter	48
Counter/rental clerk	49	Postal service/mail room worker	48
Laboratory technologist	49	Glazier	48
Manufacturing/production technician	49	Radiologic technician/technologist	47
Neurodiagnostic technician/technologist	49	Respiratory therapist	47
Construction/building inspector	49	Entertainment/recreation attendant	47
Carpenter	49	Meat and seafood processor/packager	47
Speech language pathologist	49	Chaplain/pastor/priest	47
Tax preparer	49	Anesthesia technician	47
Railroad service worker	49	Personal trainer/fitness instructor	47
Firefighter	49	Television/satellite television installer	47
Beautician	49	Radiation therapist	47
Diesel mechanic	49	Oilfield/rig worker	47
Pump worker/operator	48	Medication aide/technician	47
Pet care worker/manager	48	Massage therapist	47
Surgical technician/technologist	48	Electrician's assistant	47
Medical assembler	48	Plasterer/stucco mason	47
Switchboard/telephone operator	48	Dispatcher	47
Electronic/electrical assembler	48	Sheet metal fabricator/mechanic	47
Physician	48	Construction helper/worker	47
Restaurant/food service supervisor	48	Preschool/childcare teacher	47
Automotive service technician/mechanic	48	Miner/mining worker	47
Psychologist	48	Caregiver/personal care aide	46
Correctional officer/jailer	48	Dentist/orthodontist/prosthodontist	46
Plant operator	48	Upholsterer	46
HVAC mechanic/installer	48	Barista	46
Parking enforcement officer	48	Door-to-door sales worker	46
Bike technician	48	Photographer	46
		Histotechnologist/histotechnician	46

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Order processor/order entry clerk	46	Sales delivery driver	44
Meter reader	46	Reservation/ticket agent	44
Rigger	46	Costume/wardrobe attendant	44
Cardiovascular technician/ technologist	46	Stocking clerk/sales floor support	44
Laboratory technician	46	Food service team member	44
Ship/boat captain	46	Farm/nursery/greenhouse worker	43
Nursing assistant	46	Recycling/sanitation worker	43
Pet trainer	46	English/language arts teacher	43
Nuclear medicine technologist	46	Light-truck delivery driver	43
Iron/steel worker	46	Molding/casting worker	43
MRI/CT technician/technologist	45	Sewing machine operator	43
Recreation/activities worker	45	Print bindery/finishing worker	43
Building and general maintenance technician	45	Transportation maintenance worker	43
Utility line locator/technician	45	Insulation worker	43
Nutrition/dietetic technician	45	Cashier	43
Heavy equipment mechanic	45	Bilingual/ESL/foreign language teacher	42
Coach	45	Arborist/faller	42
Printing press operator	45	Dance teacher	42
Sterile processing technician	45	Industrial mechanic	42
Crane operator	45	Library assistant/technician	42
Baker	45	Waiter/waitress	41
Tattoo artist	44	Gaming worker	41
Manicurist/pedicurist	44	Golf course worker	41
CNC operator	44	Reading teacher	41
Sailor/deckhand/marine oiler	44	Laundry worker	41
Adult basic education/literacy instructor	44	Music director	41
Finisher/polisher/buffer	44	Auto body technician	41
Shipping/receiving clerk	44	Dietary aide	41
Tile/granite worker	44	Host/hostess	40
Ultrasound technologist/sonographer	44	Physical education teacher	40
Roofing/siding worker	44	Valet/parking lot attendant	40
		Special education teacher	40

Occupation	Skill Disruption Index	Occupation	Skill Disruption Index
Speech language pathology assistant	40	Brick/stone mason	37
Bartender	40	Cook	37
Kitchen staff	40	Bell person/baggage attendant	37
Motor vehicle operator/transporter	40	Barber/hair stylist/cosmetologist	37
Composer	40	Busser/banquet worker/cafeteria attendant	37
History/social studies teacher	40	Detailer	36
Courier/messenger	40	DJ/announcer	36
Police officer	39	Production worker	36
Manufacturing machine operator	39	Landscaping/groundskeeping worker	36
Teacher assistant	39	Nanny/babysitter	36
Flooring installer	39	Carpet installer	36
Maid/housekeeping staff	39	Welder/solderer	35
Coating/industrial painter	39	Janitor/cleaner	35
Math teacher	39	Casino dealer	34
Science teacher	39	Tree climber/trimmer	34
Logging worker/supervisor	39	Dishwasher	34
Drywall installer/finisher	39	Lifeguard	33
Tractor-trailer truck driver	39	Substitute teacher	33
Cabinetmaker	39	Packager	33
Asphalt/screed worker/paver	38	Laborer/warehouse worker	33
Choreographer	38	Painter	32
Drama teacher	38	Forklift/pallet jack operator	32
Music teacher	38	Concrete finisher	31
Press/press brake operator	38	Musician/singer	27
Art teacher	38	Bus driver	24
Van/taxi/shuttle driver	38	Mystery shopper	0
Grinder/sharpener	38		
Elementary school teacher	38		
Operating engineer/heavy equipment operator	38		
Furniture finisher	38		
Machinist	38		
Middle/high school teacher	37		