AI JOB DISPLACEMENT INDEX

Within the next fifteen years, AI and automation will be able to do virtually all basic work tasks or nearly half of our total workload. We will now explain how you **survive and thrive in the AI Era**.

How will your job be affected by AI?

In order to see if your job will be affected by AI, we must take a look at several key factors based on what AI can easily do, and what AI cannot do.

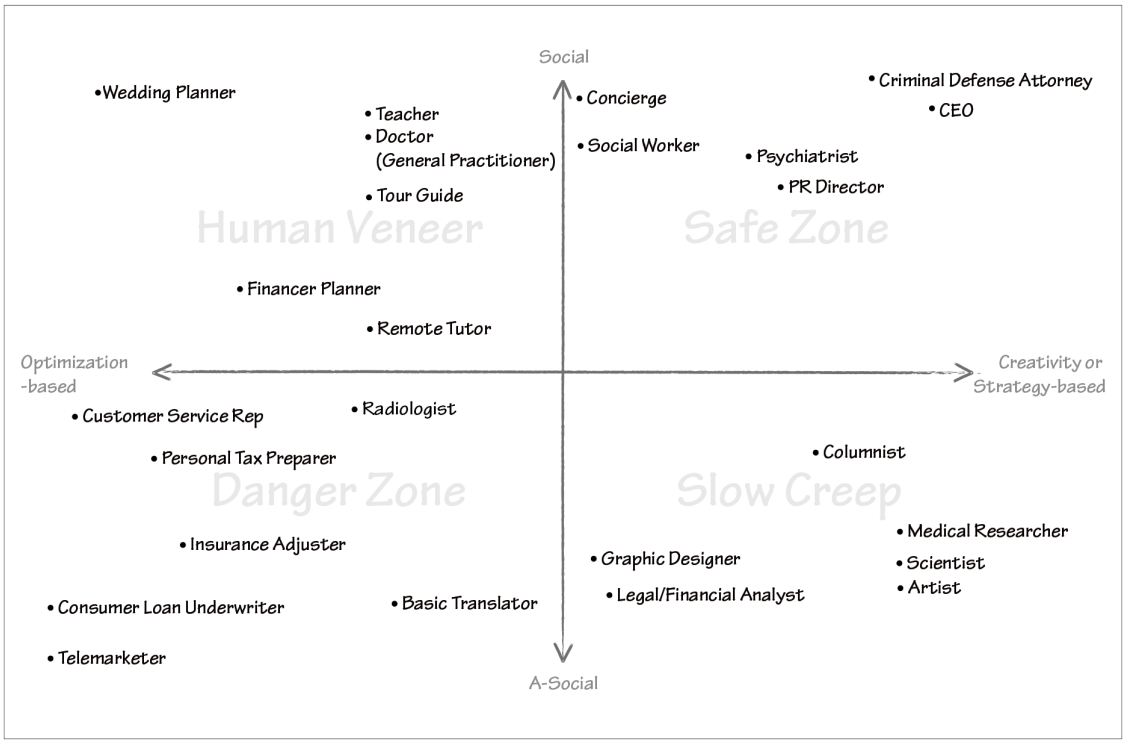
First, we separate jobs into cognitive (white collar) and physical (blue collar), and the questions tested for several things. If you had a cognitive job, we checked whether your job was:

- Fixed variants of interaction based on a script (e.g., telesales).
- Relatively simple classification of data or pattern recognition, or simpler decisions (e.g., filing)
- Repetitive in nature, and within the same narrow department (e.g., bookkeeping)
- Limited face-to-face interaction with people (e.g., assembler).

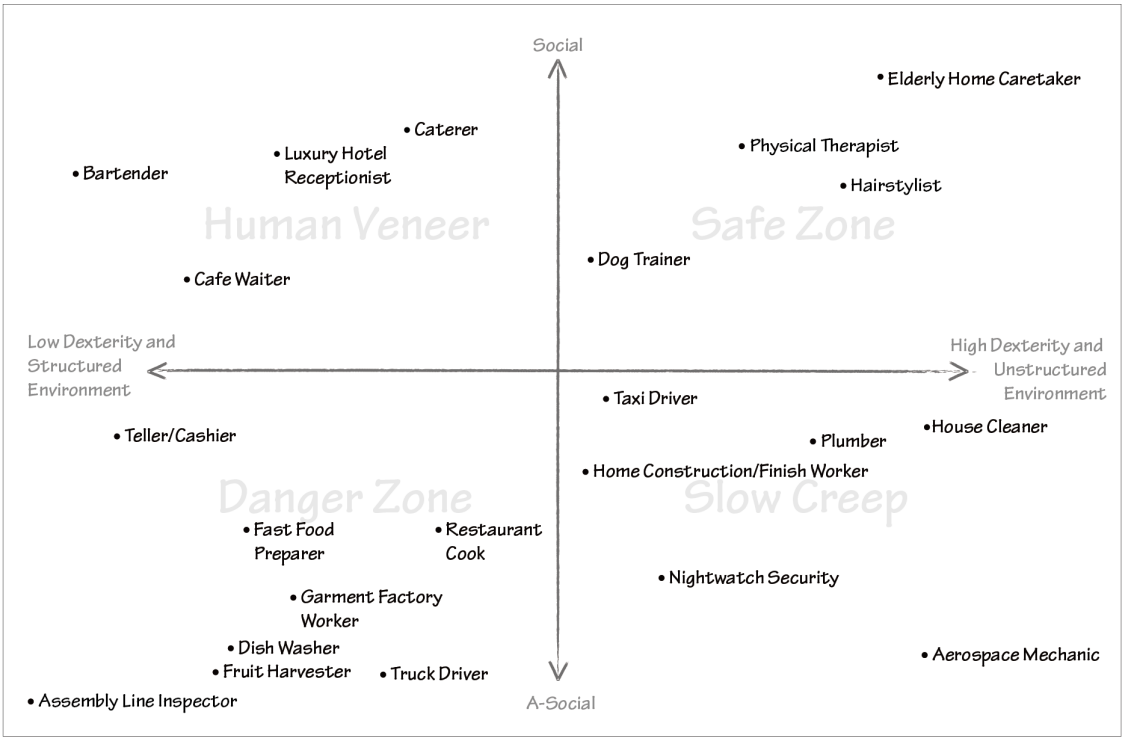
And if you had a physical job, we checked whether your job was:

- Based in the same or similar locations (e.g., dishwashing)
- Repetitive in nature, and based on structured environment (e.g., courier in a hotel)
- Simple in nature and not requiring high level of dexterity or training (e.g., assembly line inspection)
- Limited face-to-face interaction with people (e.g., fruit picker).

We also asked questions that categorized cognitive jobs, which can be put on two axes representing “creativity/strategy needed” and “compassion needed”:



We asked questions that categorized physical jobs, which can be put on two axes representing “dexterity/complexity needed” and “compassion needed”:



And the human-machine interaction is indicated below:

- Danger Zone: AI takes over
- Human Veneer: Human AI symbiosis
- Slow Creep: Human amplification with AI tools
- Safe Zone: Human prevails

A MORE DETAILED LOOK AT INDIVIDUAL JOBS

Another way to check the safety of your job, is to simply look it up in a list of 365 jobs. The jobs were assigned a technical probability that AI or other technologies can do the job within 15 years. The probabilities do not indicate that the job will be displaced, but just that large components of the job will be technical automatable. Also, it is important to realize that this list is simply the list of today, and that in the next 15 years, many new job types will be invented, so there will be many opportunities as well.

Category	Job Type	Likelihood of replacement in 10-15 years
Manager	Entrepreneurs	0.1%
Research	AI Scientist	0.1%
Healthcare	Psychologist	0.3%
Manager	Hotel and accommodation manager or owner	0.5%
Professional	Clergy member	0.5%

Manager	CEO	0.6%
Manager	CMO	0.6%
Education	Special needs education teacher	0.7%
Education	Senior professional at educational establishment	0.7%
Healthcare	Health services and public health manager or director	0.7%
Education	Secondary education teaching professional	0.8%
Education	Teaching and educational professional	0.8%
Manager	CTO	0.9%
Manager	Manager of licensed premises	1.1%
Manager	Marketing and sales director	1.1%
Manager	Social services manager or director	1.1%
Manager	CFO	1.2%
Professional	Criminal defense lawyer	1.9%
Healthcare	Medical practitioner	2.0%
Manager	Advertising and public relations director	2.0%
Professional	M&A Expert	2.0%
Healthcare	Midwife	2.3%
Service	Social worker	2.3%
Healthcare	Welfare professional	2.4%
Engineer	IT business analyst, architect and system designer	2.5%
Healthcare	Nurse	2.5%
Healthcare	Physiotherapist	2.5%
Service	Bespoke tailor	2.5%
Engineer	Research and development manager	2.6%
Engineer	Civil engineer	2.8%
Professional	Chartered architectural technologist	2.8%
Education	Speech and language therapist	2.9%
Government	Probation officer	2.9%
Art	Playwrite and movie script writer	3.0%
Healthcare	Dentist	3.1%
Healthcare	Pediatrician / Gynecologist	3.1%
Education	Higher education teaching professional	3.2%
Engineer	Engineering professional	3.4%
Professional	Architect	3.4%
Engineer	IT and telecoms director	3.5%
Healthcare	Podiatrist	3.6%
Entertainment	Sports coach, instructor	4.0%
Healthcare	Health associate professional	4.0%
Healthcare	Senior/elderly care worker	4.0%
Service	High end restaurant chef	4.0%
Service	Marriage Counselor	4.0%
Government	judge	4.1%
Manager	Company secretary	4.4%

Art	Fiction Author	5.0%
Engineer	Design and development engineer	5.0%
Entertainment	Director / Producer / Screenplay	5.0%
Healthcare	Veterinarian	5.0%
Research	Biological scientist or biochemist	5.0%
Service	Fitness instructor	5.0%
Service	High-End Hotel Concierge	5.0%
Service	Night nanny, family nutritionist, custom family chef	5.0%
Education	Vocational and industrial instructor	5.5%
Research	Chemical scientist	5.5%
Engineer	Information security analyst	5.5%
Education	Primary and nursery education teaching professional	6.0%
Engineer	Telecommunications engineers	6.0%
Entertainment	Dancer or choreographer	6.0%
Professional	High-End Headhunter/recruiter	6.0%
Professional	Management consultant	6.5%
Manager	Financial manager or director	6.9%
Entertainment	Sports player	7.0%
Manager	Catering or high-end bar manager	7.0%
Manager	Conference and exhibition manager or organiser	7.0%
Manager	Residential, day and domiciliary care managers	7.0%
Professional	Natural and social science professional	7.0%
Research	Social and humanities scientist	7.0%
Service	High end travel agent	7.0%
Professional	Lawyer	7.1%
Art	Columnist	8.0%
Healthcare	Masseuse / chiropractor	8.0%
Healthcare	Paramedic	8.0%
Manager	Production manager or director in construction	8.0%
Service	Childminder	8.0%
Art	Arts officer, producer or director	9.0%
Entertainment	Musician	9.0%
Manager	Production manager or director in manufacturing	9.0%
Manager	Skilled metal, electrical and electronic trades supervisor	9.0%
Research	Physical scientist	9.0%
Service	Beauty consultant	9.0%
Service	Wedding Planner	9.0%
Service	Youth and community worker	9.0%
Entertainment	Actor, entertainer or singer	9.2%
Research	Economist	10.0%
Engineer	Electrical engineer	10.2%
Professional	Environmental health professional	10.5%

Art	Artist	11.0%
Education	Child and early years education officer	11.0%
Engineer	Programmer and software development professional	11.0%
Healthcare	Ambulance staff (excluding paramedics)	11.0%
Healthcare	Care escort	11.0%
Manager	Advertising accounts manager or creative director	11.0%
Manager	Manager in forestry, fishing or related services	11.0%
Service	Human resource manager or director	11.0%
Service	Sales accounts and business development manager	11.0%
Technician	IT user support technician	11.0%
Art	Product or clothing designer	11.3%
Government	Fire service officer (watch manager and below)	12.0%
Manager	CEO's assistant	12.0%
Manager	Construction project manager or related professional	12.0%
Manager	Manager in agriculture and horticulture	12.0%
Service	High End Pastry Chef	12.0%
Service	High-end restaurant waiter or waitress	12.0%
Service	Nanny	12.0%
Engineer	Electronics engineer	12.5%
Engineer	Quality control and planning engineer	13.0%
Manager	Sales director	13.0%
Service	Careers adviser and vocational guidance specialist	13.0%
Service	Prison service officer (below principal officer)	13.0%
Engineer	Mechanical engineer	13.1%
Government	Welfare and housing associate professional	13.1%
Service	Housing officer	13.1%
Education	Further education teaching professional	13.3%
Engineer	IT project and programme manager	14.0%
Engineer	IT specialist manager	14.0%
Manager	Financial institution manager or director	14.0%
Manager	Hairdressing and beauty salon manager	14.0%
Art	Interior decorator	15.0%
Manager	Customer service manager and supervisor	15.0%
Manager	Office supervisor	15.0%
Professional	Public relations professional	15.0%
Professional	Venture capitalist	15.0%
Research	Data Scientist	15.0%
service	Human resources and industrial relations officer	15.0%
Service	High-End Bartender	15.0%
Service	High-end restaurant waiter or waitress	15.0%
Service	Housekeeper	15.0%
Entertainment	Leisure and sports manager	16.0%
Government	Senior police officer	16.0%

Professional	Air traffic controller	16.0%
Government	Senior officer in fire, ambulance, prison or related services	17.0%
Manager	Office manager	17.0%
Professional	Actuary or statistician	17.0%
Government	Town planning officer	18.0%
Physical / Manual	Plumber, heating or ventilating engineer	18.0%
Engineer	IT and telecoms professionals	19.0%
Healthcare	Ophthalmic optician	19.0%
Manager	Functional manager or director	19.0%
Physical / Manual	Electricians and electrical fitters	19.0%
Service	Restaurant and catering establishment manager or owner	19.0%
Service	Beautician / Manicurist	19.0%
Engineer	Industrial engineer	20.0%
Art	Non-Fiction Author	21.0%
Service	Hairdresser or barber	21.0%
Engineer	Web design and development professional	22.0%
Healthcare	Pharmacist	22.0%
Manager	Manager or director in retail and wholesale	22.0%
Manager	Property, housing and estate manager	22.0%
Government	Police community support officer	22.4%
Engineer	Air-conditioning and refrigeration engineer	23.0%
Service	High End Real Estate Broker	23.0%
Service	Tour Guide	23.0%
Physical / Manual	Precision instrument maker and repairer	24.0%
Healthcare	Radiologist	25.0%
Healthcare	Veterinary nurse	25.0%
Physical / Manual	Construction site worker (finish)	25.0%
Physical / Manual	Aircraft maintenance and related trades	25.0%
Physical / Manual	Hospital porter	25.0%
Engineer	Aircraft pilot or flight engineer	25.2%
Manager	Production manager or director in mining and energy	25.2%
Manager	Waste disposal and environmental services manager	25.2%
Entertainment	Leisure and travel service worker	29.0%
Technician	Quality assurance and regulatory professional	29.0%
Professional	Statistician	30.0%
Manager	E-Commerce shop owner	30.0%

Healthcare	Care worker and home carer	31.0%
Manager	Cleaning and housekeeping manager and supervisor	32.0%
Manager	Business and financial project management professional	33.0%
Physical / Manual	Cleaner or domestic helper	33.0%
Engineer	IT engineers	34.0%
Government	Health and safety officer	34.0%
Physical / Manual	Protective service associate professional	34.0%
Professional	Journalist, newspaper or periodical editor	34.0%
Technician	Quality assurance technician	34.3%
Government	leisure and travel service worker	35.0%
Healthcare	Nursing auxiliary and assistant	35.0%
Healthcare	Dental nurse	35.0%
Office / Clerical	Horticultural professional	35.0%
Physical / Manual	Pipe fitter	35.0%
Service	Undertaker, mortuary and crematorium assistant	35.0%
Service	Animal care services worker	36.0%
Service	Travel assistant	39.1%
Service	Business sales executive	39.3%
Technician	Building and civil engineering technician	40.0%
Professional	Conservation and environmental associate professional	41.5%
Manager	Importer and/or exporter	43.0%
Manager	Average Travel agency manager	43.0%
Service	window dresser	43.0%
Professional	Chartered surveyor	44.0%
Technician	Science, engineering and production technician	44.0%
Engineer	TV, video and audio engineers	45.0%
Manager	Shopkeeper or store owner in wholesale and retail	45.0%
Manager	Financial accounts manager	45.0%
Service	Debt, rent and other cash collector	45.0%
Physical / Manual	Glass and ceramics maker, decorator or finisher	46.8%
Technician	Engineering technician	47.7%
Manager	Florist	48.0%
Manager	Purchasing manager or director	50.0%
Physical / Manual	Gardener	50.0%
Professional	Photographer or audio-visual and broadcasting equipment operator	50.3%
Physical / Manual	Weaver and knitter	52.2%

Professional	Business, research and administrative professional	53.0%
Professional	Taxation expert	54.0%
Physical / Manual	Scaffolder, stager or rigger	54.5%
Manager	Manager or director in storage and warehousing	55.0%
Physical / Manual	Boat and ship builders	55.0%
Physical / Manual	Cleaner (non-domestic)	55.0%
Professional	Fund manager and researcher	55.0%
Service	Marketing associate professional	55.0%
Physical / Manual	Forestry worker	56.0%
Professional	Business tax preparer	56.0%
Office / Clerical	Sports and leisure assistant	57.0%
Professional	Sales related worker	57.0%
Physical / Manual	Taxi and cab driver or chauffeur	58.0%
Professional	Chartered and certified accountant	59.0%
Physical / Manual	Construction worker (general)	60.0%
Physical / Manual	Bus and coach driver	61.2%
Physical / Manual	Metal working production and maintenance fitter	62.3%
Physical / Manual	Driver and transport Operator	63.0%
Manager	Manager or director in transport and distribution	64.0%
Physical / Manual	Water and sewerage plant Operator	64.0%
Technician	Vehicle technician, mechanic or electrician	64.6%
Physical / Manual	Leisure and theme park attendant	65.0%
Physical / Manual	Vehicle valeter and/or cleaner	65.0%
Physical / Manual	Air transport operators	66.0%
Professional	Rail transport Operator	66.0%
Technician	IT operations technician	66.0%
Technician	Pre-press technician	66.0%
Professional	Housing Property caretaker	66.3%
Physical / Manual	Energy plant Operator	67.0%
Professional	Market research professional	67.0%
Office / Clerical	Office secretary	68.1%

Physical / Manual	Electrical and electronic sales	69.0%
Physical / Manual	Estimator, valuer or assessor	69.0%
Physical / Manual	Footwear or leather worker	69.0%
Physical / Manual	Tire, exhaust and windscreen fitter	70.0%
Office / Clerical	Legal secretary	71.0%
Physical / Manual	Metal plate worker or riveter	71.0%
Physical / Manual	Rail and rolling stock builders	71.0%
Physical / Manual	Steel erector	71.0%
Professional	Buyer and procurement officer	71.0%
Physical / Manual	Coal mine Operator	72.0%
Physical / Manual	Large goods vehicle driver	72.0%
Physical / Manual	Glazier, window fabricator or fitter	72.8%
Physical / Manual	Street cleaner	73.0%
Professional	Credit controller	73.0%
Technician	Laboratory technician	73.0%
Physical / Manual	Quarry worker and related Operator	73.1%
Physical / Manual	Pest control officer	73.4%
Physical / Manual	Packer, bottler, canner or filler	74.0%
Physical / Manual	Vehicle and parts salesperson and adviser	74.0%
Physical / Manual	Plasterer	74.7%
Office / Clerical	Operational staff	75.0%
Physical / Manual	Farmer	75.8%
Office / Clerical	Retail salesperson	76.0%
Physical / Manual	Shelf filler	76.0%
Professional	Librarian	76.0%
Office / Clerical	Business and related associate professional	76.6%
Office / Clerical	Dispensing optician	77.0%
Office / Clerical	Records clerk	77.0%

Physical / Manual	Tool maker and tool fitter	77.2%
Physical / Manual	Sheet metal worker	77.8%
Office / Clerical	Medical secretary	78.0%
Physical / Manual	Carpenter and joiner	78.0%
Physical / Manual	Painter	78.0%
Physical / Manual	Vehicle body builders and repairers	78.0%
Physical / Manual	Window cleaner	78.0%
Office / Clerical	Legal associate professional	79.0%
Office / Clerical	Receptionist	79.0%
Physical / Manual	Groundsman or greenkeeper	79.0%
Physical / Manual	Marine and waterways transport Operator	79.0%
Physical / Manual	School midday and crossing patrol worker	79.0%
Physical / Manual	Welder	79.0%
Technician	Electrical or electronic technician	79.0%
Physical / Manual	Agriculture or fishing professional	79.2%
Physical / Manual	Agricultural machinery driver	79.4%
Physical / Manual	Crane driver	80.0%
Physical / Manual	Truck driver	80.0%
Professional	Insurance underwriter	81.0%
Technician	Medical and dental technician	81.0%
Physical / Manual	Industrial cleaning process worker	81.3%
Physical / Manual	Food, drink and tobacco process Operator	81.7%
Physical / Manual	Floorer or wall tiler	82.0%
Physical / Manual	Regular cook	82.0%
Professional	Finance and investment analyst	82.0%
Service	Sales and retail assistant	82.0%
Physical / Manual	Assembler (vehicles and metal goods)	83.0%

Physical / Manual	Baker and flour confectioner	83.0%
Physical / Manual	Printer	83.1%
Physical / Manual	Tailor and dressmaker	84.0%
Physical / Manual	Textiles, garments and related worker	84.0%
Physical / Manual	Butcher	84.6%
Physical / Manual	Fishmonger or poultry dresser	84.6%
Physical / Manual	Chemical and related process Operator	84.7%
Office / Clerical	Sales administrator	85.0%
Physical / Manual	Refuse and salvage worker	85.0%
Physical / Manual	Kitchen and catering assistant	85.1%
Physical / Manual	Glass and ceramics process Operator	86.0%
Physical / Manual	Moulder, core maker or die caster	86.0%
Physical / Manual	Farm worker	86.5%
Physical / Manual	Process plant worker	87.0%
Professional	Insurance adjuster	87.0%
Technician	Vehicle paint technicians	87.0%
Physical / Manual	Metal working machine Operator	87.2%
Office / Clerical	Parking or civil enforcement worker	88.0%
Office / Clerical	Pensions and insurance clerk	88.0%
Office / Clerical	Stock control clerk	88.0%
Physical / Manual	Furniture maker or other craft woodworker	88.0%
Physical / Manual	Process Operator	88.0%
Physical / Manual	Storage worker	88.0%
Physical / Manual	Electroplater	88.1%
Physical / Manual	Metal making and treating process Operator	88.2%
Physical / Manual	Rail construction and maintenance Operator	88.3%
Physical /	Road construction Operator	88.3%

Manual		
Office / Clerical	Clerical and administrative worker	88.7%
Office / Clerical	Call and contact centre worker	89.0%
Office / Clerical	Consumer tax preparer	89.0%
Office / Clerical	Other administrative worker	89.0%
Office / Clerical	Pharmacy and other dispensing assistant	89.0%
Physical / Manual	Fast Food worker	89.0%
Physical / Manual	Launderer, dry cleaner or presser	89.0%
Physical / Manual	Postal worker, mail sorter, messenger or courier	89.0%
Physical / Manual	Printing machine assistant	89.0%
Physical / Manual	Rubber process Operator	89.0%
Physical / Manual	Sewing machinist	89.2%
Physical / Manual	Mobile machine driver and Operator	89.3%
Physical / Manual	Security guard	89.3%
Office / Clerical	Human resources administrative worker	89.7%
Physical / Manual	Fork-lift truck driver	90.0%
Professional	Translator / interpreter	90.0%
Office / Clerical	Retail cashier and check-out operator	90.2%
Office / Clerical	Customer service representative	91.0%
Office / Clerical	Fruit picker	91.0%
Technician	Pharmaceutical technician	91.7%
Office / Clerical	Bricklayer and mason	92.0%
Office / Clerical	Regular Restaurant Waiter or waitress	92.0%
Office / Clerical	Plant and machine Operator	92.1%
Office / Clerical	Assembler (electrical and electronic products)	92.4%
Office / Clerical	Library clerk	93.0%
Office / Clerical	Plastics process Operator	93.0%
Office / Clerical	Roofer, roof tiler and slater	93.0%
Office / Clerical	Warehouse worker	93.0%
Office / Clerical	Smith and forge worker	93.5%
Office / Clerical	Inspector of standards and regulations	94.5%
Office / Clerical	Print finishing and binding worker	95.1%
Office / Clerical	Fishing or agricultural manual worker	95.4%
Office / Clerical	Transport and distribution clerk	95.5%
Office / Clerical	Financial and accounting technician	95.9%
Office / Clerical	Dish washer	96.0%

Physical / Manual	Textile process operator	96.1%
Office / Clerical	Telephone Operator/Answerer	96.5%
Physical / Manual	Paper and wood machine Operator	96.5%
Office / Clerical	Assembler and routine Operator	96.7%
Office / Clerical	Bank or post office clerk / teller	96.8%
Office / Clerical	Financial administrative worker	96.8%
Office / Clerical	Book-keeper, payroll manager or wages clerk	97.0%
Physical / Manual	Assembly line inspection	97.0%
Physical / Manual	Routine inspector and tester	97.6%
Physical / Manual	Weigher, grader or sorter	97.6%
Office / Clerical	Typist or related keyboard worker	98.5%
Office / Clerical	Telephone salesperson / telemarketing	99.0%

The table of 365 jobs was created by combining work done at Oxford University, McKinsey, Bain & Co, PWC, and Sinovation Ventures.

What should I do if my job is likely to be displaced by AI? What can AI not do?

As you can see from the above analysis, there are still many opportunities for human & AI to work together, helping to amplify and increase human contributions.

If your likelihood of displacement is high, there is no need to panic. It will be a while before the massive job displacements begin to happen (technology needs to be perfected, cost-reduced, fit into process, and your CEO, labor union, and the government have to all approve).

But it is certainly not too soon to start thinking about safer jobs, lasting skillsets, and getting some training. Even if your job appears safe for now, AI will continue to improve, so should you.

To ensure your professional career is not interrupted by AI displacement, you need to understand: What can AI not do today? These would be the types of jobs that may be safe (at least for now) from AI displacement. There are several main areas:

1. Creativity (e.g., medical researcher, AI scientist, award winning script writer, PR expert, entrepreneur). AI is not good at coming up with new concepts.
2. Complexity / strategy (e.g., CEO, negotiation expert, merger & acquisition expert) – jobs that combine understanding of multiple domains and require strategic decisions. For AI, even common sense is very difficult.
3. Dexterity (e.g., oral surgeon, airplane mechanic, chiropractor). Robotics and mechanics actually advance slower than software AI. Robots are still very clumsy – watch a robot pick up a pencil and you'll see what I mean.
4. Learning new, unknown, and unstructured environments (e.g., geological survey, cleaning after conventions). Robotics work well in fixed environments (like assembly line) and are not good with new environments (like a different home every day).
5. Compassion / human touch (e.g., social worker, special ed teacher, marriage counselor) – AI does not have the kind of EQ that humans have. Nor are people willing to "trust" a machine for many tasks that require a human touch.

Finding our place in the Era of AI

We should embrace life-long learning, because new technologies will create new opportunities, as well as eliminate existing positions. We should have a discipline of independent learning, including using online resources.

We should treasure our creativity, our conceptual thinking, our strategic thinking, our dexterity, and most of all, our compassion. These are things that AI cannot do and makes humanity shine.

We should accept that the routine jobs are going away. For young people in these routine jobs, start now by finding careers that fit your strengths and that are not easily replaced by AI. For older people, when early retirement is offered to you, consider accepting, with gig economy and volunteering to make some income and live a life you enjoy.

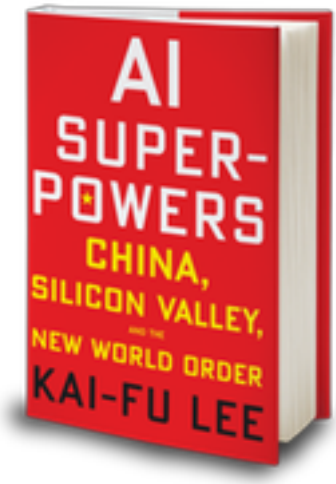
We should encourage more people to go into service careers, choosing jobs into which they can pour their hearts and souls, spreading their love and experiences.

We should embrace AI tools, especially for professionals, understanding that they will get better with more data and use. We should use these tools to do

parts of our jobs, allowing them to do more of our routine tasks, freeing us to move into areas that are more suitable for humans.

We should enhance education with encouragement for curiosity, critical thinking, creativity. Education should place greater importance on emotional intelligence, including practice of communication, persuasion, and teamwork. And children should be encouraged to follow their passion and talent.

While AI will cause job displacement, and some temporary challenges to our society, in the long-term, AI will undoubtedly be a boon. By replacing most/all of the routine jobs, AI will liberate us to spend time on what we love, what we are good at, and give us much free time to think, to love, and to enjoy our lives



Dr. Kai-Fu Lee—one of the world's most respected experts on AI and China—reveals that China has suddenly caught up to the US at an astonishingly rapid and unexpected pace.

In *AI Superpowers*, Kai-fu Lee argues powerfully that because of these unprecedented developments in AI, dramatic changes will be happening much sooner than many of us expected. Indeed, as the US-Sino AI competition begins to heat up, Lee urges the US and China to both accept and to embrace the great responsibilities that come with significant technological power. Most experts already say that AI will have a devastating impact on blue-collar jobs. But Lee predicts that Chinese and American AI will have a strong impact on white-collar jobs as well. Is universal basic income the solution? In Lee's opinion, probably not. But he provides a clear description of which jobs will be affected and how soon, which jobs can be enhanced with AI, and most importantly, how we can provide solutions to some of the most profound changes in human history that are coming soon.

LEARN MORE AT AISUPERPOWERS.COM.

About Dr. Kai-Fu Lee

Dr. Kai-Fu Lee is the Chairman and CEO of Sinovation Ventures and President of Sinovation Venture's Artificial Intelligence Institute. Sinovation Ventures, managing US$2 billion dual currency investment funds, is a leading venture capital firm focusing on developing the next generation of Chinese high-tech companies. Prior to founding Sinovation in 2009, Dr. Lee was the President of Google China. Previously, he held executive positions at Microsoft, SGI, and Apple. Dr. Lee received his Bachelor degree from Computer Science from Columbia University, Ph.D. from Carnegie Mellon University, as well as Honorary Doctorate Degrees from both Carnegie Mellon and the City University of Hong Kong. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), Times 100 in 2013, WIRED 25 Icons, Asian Business Leader 2018 by Asia House, and followed by over 50 million audience on social media.

In the field of artificial intelligence, Dr. Lee built one of the first game playing programs to defeat a world champion (1988, Othello), as well as the world's first large-vocabulary, speaker-independent continuous speech recognition system. Dr. Lee founded Microsoft Research China, which was named as the hottest research lab by MIT Technology Review. Later renamed Microsoft Research Asia, this institute trained the great majority of AI leaders in China, including CTOs or AI heads at Baidu, Tencent, Alibaba, Lenovo, Huawei, and Haier. While with Apple, Dr. Lee led AI projects in speech and natural language, which have been featured on Good Morning America on ABC Television and the front page of Wall Street Journal. He has authored 10 U.S. patents, and more than 100 journal and conference papers. Altogether, Dr. Lee has been in artificial intelligence research, development, and investment for more than 30 years. His New York Time and Wall Street Journal bestselling book *AI Superpowers* discusses US-China co-leadership in the age of AI as well as the greater societal impacts brought upon by the AI technology revolution.