



AI Job Risk Report Singapore

Which occupations AI is reshaping — and which stay human

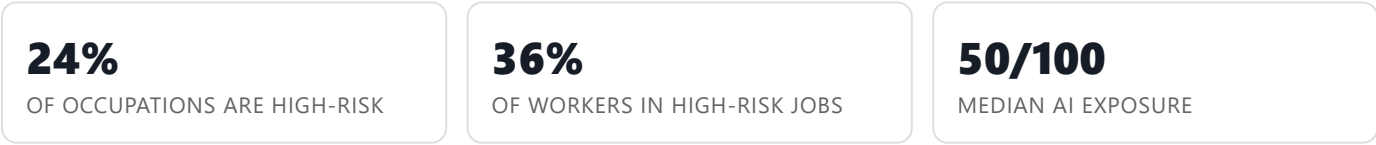
36% of Singapore's covered workforce is employed in occupations with high AI task exposure.

427 OCCUPATIONS	2.1M WORKFORCE COVERED	50/100 MEDIAN AI EXPOSURE	24% HIGH-RISK OCCUPATIONS
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Published: 2026-08-10 · **Data cutoff:** 2025 · **Web:** <https://aijobriskmap.com/reports/singapore/>

Executive summary

Across 427 occupations covering 2.1M workers in Singapore, median AI exposure is 50/100. 24% of occupations — and 36% of workers — fall in the high-exposure band.



Most exposed areas

- Business, Finance & Legal
- IT & Digital
- Education & Community

Most resilient areas

- Trades & Construction
- Agriculture & Environment
- Transport, Logistics & Mining

Risk & pay: Higher-paid, judgement-heavy roles cluster at lower risk, while many mid-pay administrative roles carry the highest exposure.

What to watch: Entry-level and routine administrative tasks are narrowing fastest; client-facing, accountability and hands-on work remain the human moat.

How to read this report

Every occupation is scored on how much of its work generative AI can touch, and how much of it stays hard for AI to do. Four ideas run through the report:

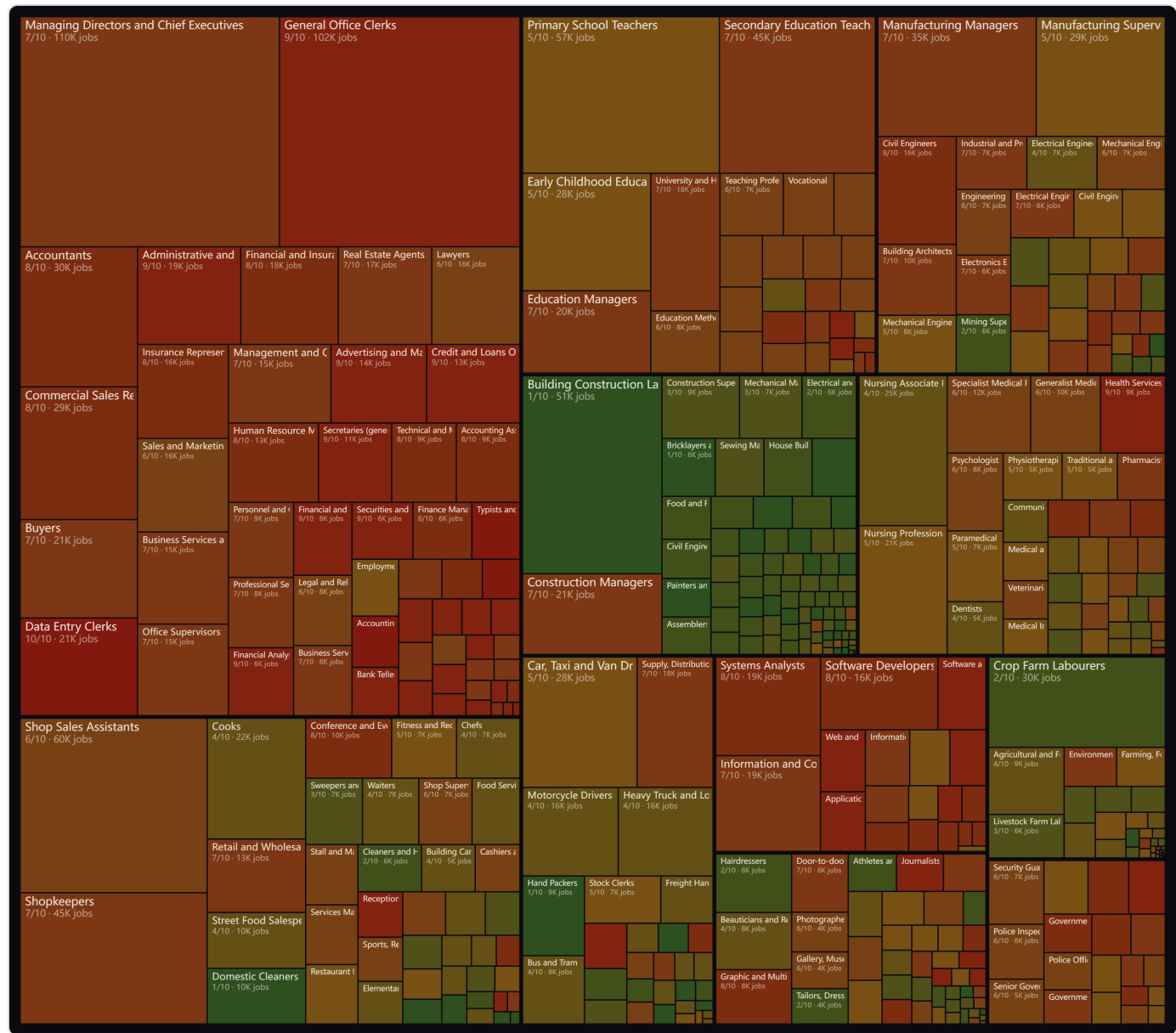
- **AI exposure** — how much of the day-to-day tasks AI can already perform.
- **Automation pressure** — how likely those tasks are to be automated in practice.
- **AI augmentation** — where AI makes the worker faster rather than redundant.
- **Job displacement risk** — the combined pressure on the *number* of jobs.

A risk score is not a probability that a job disappears. It is a composite of the occupation's task structure, how automatable those tasks are, workforce demand, and the human moat. High exposure often means AI *augments* the role, not that it vanishes.

Singapore labour-market snapshot

Occupations analysed	427
Workforce covered	2.1M
Median AI exposure	50/100
High-risk occupations	24%
High-risk workforce	36%
Typical annual pay (median)	\$50,784
Data year	2025

Singapore has a median AI exposure of 50/100. High-exposure work is concentrated in business, finance & legal and adjacent groups, while trades & construction stays most resilient.



- The largest tiles — Business, Finance & Legal and related groups — carry above-median exposure.
- 36% of employment sits in the high-exposure (red) band.
- Trades & Construction forms the biggest low-exposure (green) cluster.

Explore the interactive version at <https://ajobnlskip.com/country/singapore/>.

Risk distribution

Two views tell different stories: how risk spreads across *occupations*, and across *people employed*.

By occupation count		By workforce	
High	24%	High	36%
Medium	38%	Medium	45%
Low	39%	Low	18%

Median exposure 50/100 · quartiles Q1 29 / Q3 68. Occupation-count and workforce shares differ because high-employment jobs are not evenly spread across risk bands.

Highest-risk occupations

Ranked by AI task exposure. The right column shows tasks AI is most likely to take over.

#	Occupation	Risk	Workforce	Pay	Main exposed tasks
1	Data Entry Clerk	98	21,112	\$24,612	Manually enter data from paper or electronic documents into databases or spreadsheets; Check format and basic accuracy of input data
2	Typist and Word Processing Operator	96	5,036	\$32,400	Generating documents via speech recognition and automatic transcription; Use templates and AI tools to batch create standardized reports and letters
3	Accounting and Bookkeeping Clerk	95	4,394	\$39,888	Automatically classify and enter transaction data; Automated reconciliation and variance report generation
4	Statistical, Finance and Insurance Clerk	95	2,737	\$57,828	Extracting and entering data from formatted tables or documents; Preliminary review and basic information verification of insurance claims
5	Financial Analyst	94	8,153	\$110,136	Automatically generate periodic financial reports and market briefs; Basic data cleaning, standardization, and visualization
6	Securities and Finance Dealer and Broker	94	6,381	—	Automatically execute stock, bond, and commodity orders through algorithms, no manual order placement; AI automatically generates market analysis reports and investment briefs
7	General Clerical Support Worker	94	3,695	—	Manual data entry and copy-paste operations; Document Classification, Filing, and Retrieval
8	General Office Clerk	93	101,860	\$30,012	Manual data entry: OCR and automated form parsing can directly extract information without manual typing; Paper file archiving: Automatic classification, tagging, and storage via electronic document management systems
9	Credit and Loans Officer	93	13,487	\$57,912	Automatically extract and verify income and asset information from loan applications; Rule engine-based preliminary credit scoring and risk classification
10	Personnel Clerk	93	1,359	—	Employee file data entry and updates; Standard recruitment notices and onboarding document generation
11	Payroll Clerk	93	648	—	Attendance data entry and work hour calculation; Single Touch Payroll (STP) data auto-reporting
12	Contact Centre Salesperson	93	1,807	\$30,756	AI auto-dials and screens potential customers (reduces manual outbound calls); Real-time recommendation of optimal scripts/products based on customer data analysis
13	Web and Multimedia Developer	93	5,194	—	Repetitive UI component writing and style debugging; CRUD code generation for standard REST APIs
14	Advertising and Public Relations Manager	92	2,180	\$104,412	Automatically generate standardized press releases and social media posts; Analyze advertising performance data and generate reports
15	Translator and Interpreter	92	639	\$82,068	Standard conference interpreting (e.g., business negotiations); Simple telephone interpreting or community interpreting

#	Occupation	Risk	Workforce	Pay	Main exposed tasks
16	Secretary (General)	91	10,701	\$52,920	Automated meeting schedule coordination and conflict detection; Call screening and standard response generation
17	Bank Teller	91	4,147	\$48,240	Standard transaction processing such as cash deposits, withdrawals, and transfers; Account inquiry and balance reconciliation
18	Contact Centre Information Clerk	91	1,962	—	Answer standard FAQ questions (e.g. account balance, business hours); Handling simple order changes, returns, and exchange requests

Most AI-resilient occupations

Lower task exposure and a stronger human moat. Resilient, not "AI-proof".

Occupation	Risk	Workforce	Pay	Human moat
Craft and Related Workers Not Elsewhere Classified	4	89	—	Highly customized artistic creation and aesthetic judgment; Experience and tactile feel of handling rare materials
Bricklayer and Related Worker	6	5,728	—	Complex irregular masonry (curved, hollow, historical building restoration) cannot be standardized; Flexible operation in unstructured environments such as bad weather and confined spaces
Painter and Related Worker	6	3,503	\$19,200	Fine manual skills (e.g., French polishing, wood staining cannot be fully automated); On-site adaptability (handling irregular surfaces and unexpected issues)
Domestic Cleaners and Helpers	7	10,142	—	Fine manual cleaning (e.g., antiques, silk, and other special materials); Building long-term trust relationships and personalized services with employers
Kitchen Helper	7	1,783	—	Adaptability in emergency situations; Sensory assessment of ingredient quality
Floor Layer and Tile Setter	7	531	\$19,200	Manual cutting and fine placement in irregular areas and corners; Removal of old flooring, base treatment, and leveling judgment for uneven floors
Concrete Placer and Finisher	7	189	—	Manual finishing of complex curves, artistic shapes, or special textures; Making real-time decisions on unpredictable construction sites
Window Cleaner	7	76	—	Handle emergency situations in complex high-altitude work; Fine cleaning of antiques or special material windows
Mining and Quarrying Labourer	7	850	—	Emergency judgment in complex geological environments; On-site coordination for collaborative operation of multiple devices
Potters and Related Workers	8	280	—	Irreproducible personal style and artistic expression in handmade pottery; Ability for manual adjustments to handle customized, non-standard requirements
Structural Metal Erector	8	301	—	Physical operation and assembly in complex construction site environments; Flexible judgment for handling non-standard or damaged materials
Glass Maker, Cutter, Grinder and Finisher	8	103	—	Art carving and manual finishing: unique patterns, engraving, etc. rely on creativity and manual dexterity, difficult to automate; On-site installation and repair: architectural glass must adapt to site conditions, requiring flexible adjustments and judgment
Vehicle Cleaner	8	757	\$32,400	Fine interior cleaning: handling special materials such as leather, fabric, and electronic screens; Odor treatment: requires experience to identify pollution source and choose appropriate method
Fishery and Aquaculture Labourer	9	462	—	On-site response capability for sudden equipment failures, extreme weather, and other abnormal conditions; Manual experience-based judgement of fish and shrimp behaviour and health (e.g., abnormal swimming, colour changes)

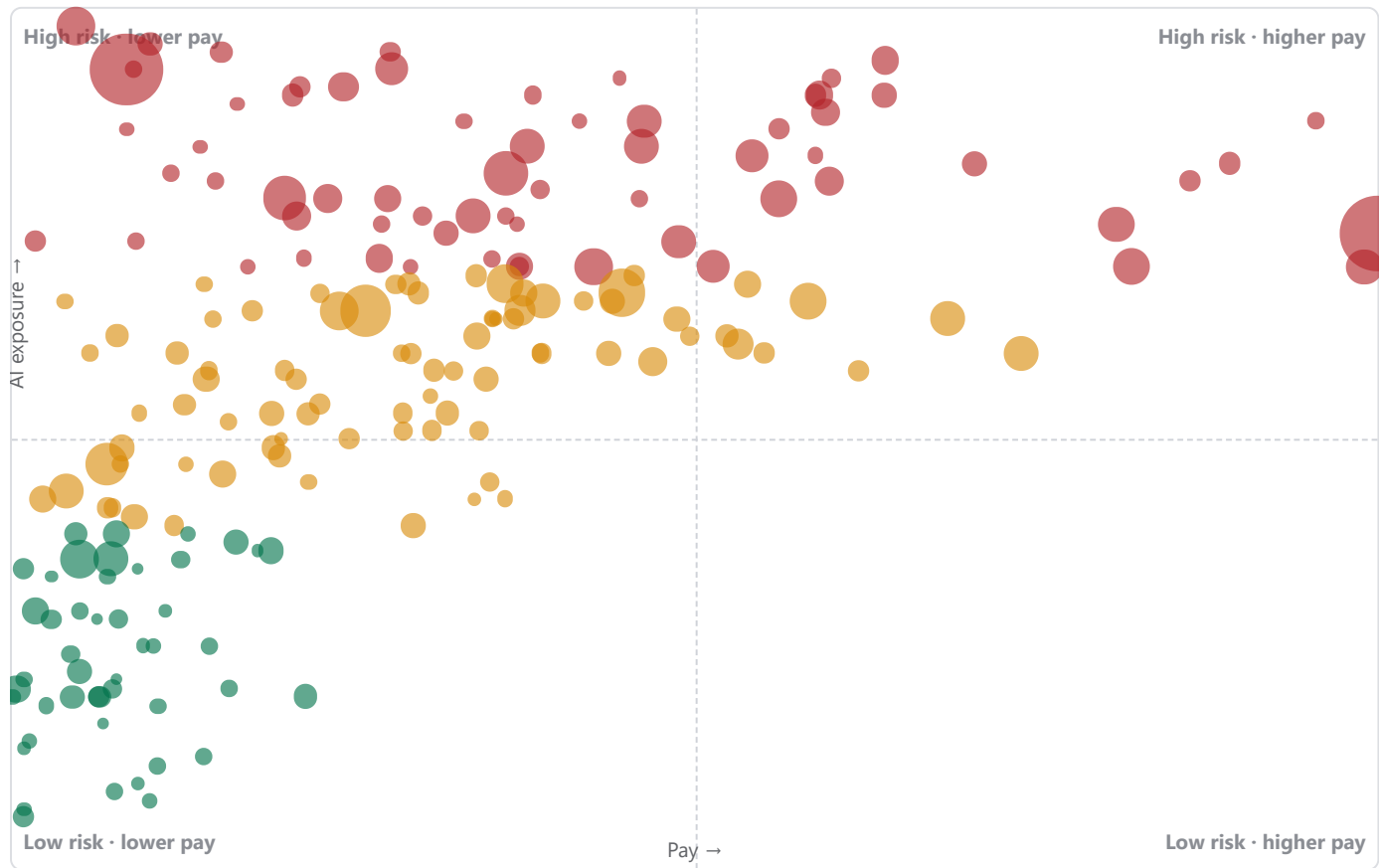
Occupation	Risk	Workforce	Pay	Human moat
Lifting Truck Operator	9	1,635	\$28,620	Precision handling of unstable cargo or non-standard items; Manual Judgment and Adjustment in Confined or Cluttered Environments
Cement, Stone and Other Mineral Products Machine Operator	10	694	—	Quick diagnosis and repair of on-site sudden faults; Experience with special materials (e.g., irregular stone) in craftsmanship
Stonemason	10	227	—	Artistic judgment for complex stone carving and hand modeling; Adaptive skills for integrated on-site stone and structure installation
Ship's Deck Crew and Related Worker	10	327	\$31,188	Rapid decision-making and team coordination skills in emergency situations; Complex manual operations, such as cable mooring and maintenance

Risk by occupational group

Group	Median risk	High-risk %	Workforce	Median pay
Business, Finance & Legal	82	71%	646,804	\$68,604
IT & Digital	81	82%	94,372	\$91,602
Education & Community	62	35%	214,024	\$65,082
Government & Public Sector	60	30%	45,192	\$73,656
Engineering & Infrastructure	52	21%	193,017	\$63,768
Creative, Media & Personal Services	50	19%	99,486	\$62,382
Healthcare & Care	50	10%	160,150	\$63,876
Hospitality, Retail & Tourism	44	21%	269,981	\$30,822
Transport, Logistics & Mining	39	10%	135,029	\$30,342
Agriculture & Environment	34	3%	76,572	\$50,400
Trades & Construction	21	0%	171,047	\$28,500

Salary vs AI risk

Each bubble is an occupation: horizontal = pay, vertical = AI exposure, area = workforce.



Priority now: high pay · high risk

- Managing Director and Chief Executive
- University and Higher Education Teacher
- Economist
- Policy and Planning Manager
- Research and Development Manager
- Information and Communications Technology Services Manager

Most exposed: lower pay · high risk

- Valuer and Loss Assessor
- Bank Teller
- Conference and Event Planner
- Clearing and Forwarding Agent
- Commercial Sales Representative
- Production Clerk

Tasks AI is likely to automate

Representative automatable tasks drawn from the most-exposed occupations. Tasks are an occupation-level characteristic, shared across countries.

Data Entry Clerk

Typist and Word Processing Operator

Accounting and Bookkeeping Clerk

Statistical, Finance and Insurance Clerk

Financial Analyst

Securities and Finance Dealer and Broker

General Clerical Support Worker

General Office Clerk

Credit and Loans Officer

Personnel Clerk

Human advantages

What still needs people, even in the most-exposed occupations — the balance to the risk numbers above.

Data Entry Clerk

Typist and Word Processing Operator

Accounting and Bookkeeping Clerk

Statistical, Finance and Insurance Clerk

Financial Analyst

Securities and Finance Dealer and Broker

General Clerical Support Worker

General Office Clerk

Credit and Loans Officer

Personnel Clerk

Career transition opportunities

Adjacent, more-resilient roles for people in exposed occupations. Detailed transition plans live on the occupation pages.

Exposed occupation	Adjacent, more-resilient roles
Data Entry Clerk	Filing and Copying Clerk · Accounting and Bookkeeping Clerk · Typist and Word Processing Operator
Typist and Word Processing Operator	Data Entry Clerk · Administrative and Executive Secretary · Coding, Proofreading and Related Clerk
Statistical, Finance and Insurance Clerk	Statistical Associate Professional · Financial Analyst · Accounting Associate Professional
General Clerical Support Worker	Policy and Planning Manager · Government Social Benefits Official · Policy Administration Professional
General Office Clerk	Office Supervisor · Data Entry Clerk · Filing and Copying Clerk
Contact Centre Salesperson	Commercial Sales Representative · Contact Centre Information Clerk · Insurance Representative
Advertising and Public Relations Manager	Advertising and Marketing Professional · Sales and Marketing Manager · Management and Organization Analyst
Secretary (General)	Administrative and Executive Secretary · Legal Secretary · Office Supervisor
Bank Teller	Credit and Loans Officer · Financial and Investment Adviser · Insurance Representative
Contact Centre Information Clerk	Inquiry Clerk · Contact Centre Salesperson · Client Information Worker
Scribe and Related Worker	Typist and Word Processing Operator · Data Entry Clerk · Coding, Proofreading and Related Clerk
Financial and Investment Adviser	Financial Analyst · Securities and Finance Dealer and Broker · Finance Manager

What workers can do

Next 30 days

- Map which of your weekly tasks are most exposed to AI.
- Start using an AI assistant on one recurring task and measure the time saved.

Next 6 months

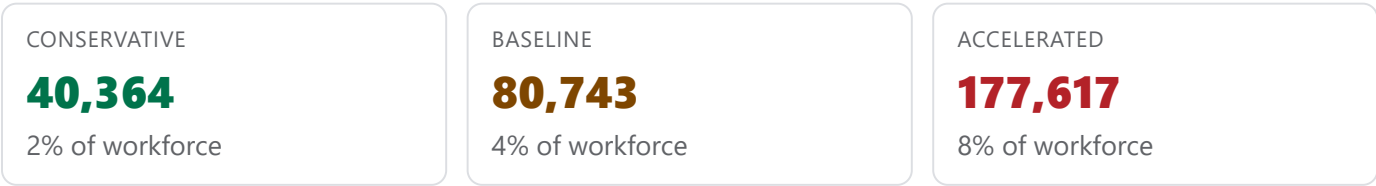
- Shift effort toward client-facing, judgement and accountability work.
- Earn a recognised credential in your field or an adjacent one.

Next 2 years

- Move toward an adjacent, more-resilient role (see chapter 13).
- Build a verifiable portfolio of outcomes AI cannot claim on its own.

Outlook & scenarios

Rather than a single prediction, we model three AI-adoption scenarios for job displacement by 2030 across Singapore's covered workforce.



Scenario estimates, not forecasts. They express how much of the theoretically-automatable exposure converts to job loss under slow, central and fast adoption — the true path depends on policy, investment and job creation this figure does not net out.

Methodology

- **AI exposure** — generative-AI task-exposure percentile (ILO Working Paper 140, calibrated with Eloundou et al.), mapped to occupations.
- **Occupation classification** — ISCO-08.
- **Workforce & pay** — Singapore official statistics office; median annual pay, 2025 basis (the more granular of the source's average/median measures is used).
- **Displacement scenarios** — workforce × exposure × automation share × realisation rate (low/mid/high).
- **Tasks, human moat & adjacent roles** — occupation-level AI analysis, shared across countries by occupation code.
- **Cross-country comparability** — classification and pay years differ by country; compare within a country first.

Version 2026.1 · missing values are left blank rather than imputed.

Sources & citation

- Singapore official statistics office
- ILO Working Paper 140 — Generative AI and Jobs: A Refined Global Index of Occupational Exposure.
- Eloundou et al. (2023) — GPTs are GPTs: labor-market impact potential of LLMs. arxiv.org/abs/2303.10130

Suggested citation

AI Job Risk Map (2026). AI Job Risk Report: Singapore 2026. <https://aijobriskmap.com/reports/singapore/>

Appendix

The full occupation-level dataset for all countries — one row per occupation with exposure, pay, workforce and displacement scenarios — is available for download:

<https://aijobriskmap.com/dataset.csv> (CSV, CC BY 4.0)

Risk bands

- High: exposure 70–100
- Medium: 40–69
- Low: 0–39

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