



AI | Exploring Impact

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CHARLOTTE
REGIONAL BUSINESS
ALLIANCE



CHARLOTTE
WORKS

AI Impact | Local Economic Exposure¹

15th CHARLOTTE
Amongst Major Metros for Most AI Exposure

OTHER NEARBY METROS WITH HIGH EXPOSURE

3rd Greenville

9th Greensboro

12th Durham

1. Brookings Top 100 Metros ranking of AI Exposure

AI Impact | CELC Company Exposure¹

60%

Honeywell

5%

LOWE'S

33%



DUKE
ENERGY®

24%

Coca-Cola®

1. Inclusive Percentile rank of NBER Table C8: Generative AI exposure for the Largest 100 U.S. Firms

AI Impact | Education Level

B Brookings Institution
MURO ET AL. (2019)

4X Impact on
Bachelors +
Workers

Goldman Sachs
Research BRIGGS ET AL. (2023)

2X Impact on
Bachelors +
Workers

AI Impact | Local Industry Exposure

INDUSTRIES	2023 JOBS ¹	EARNINGS	AI EXPOSURE
		Average Job Salary ¹	Industry Percentile ²
INFORMATION	26,260	\$130,957	79%
FINANCE AND INSURANCE	105,921	\$161,621	74%
MANUFACTURING	114,640	\$86,557	68%
ADMINISTRATIVE SUPPORT	100,670	\$60,324	58%
RETAIL TRADE	136,103	\$47,515	53%
CONSTRUCTION	74,814	\$85,739	39%
TRANSPORTATION AND WAREHOUSING	77,857	\$72,322	34%
HEALTH CARE	112,314	\$73,818	29%
GOVERNMENT	160,180	\$85,679	21%
ACCOMMODATION AND FOOD SERVICES	117,251	\$29,022	5%

AI Impact | Demographic Exposure



71% of occupations most impacted by AI are held by **MEN**¹

*“AI looks most destined to affect **MEN**, prime-age workers, and white and Asian American workers” – Mark Muro*

B Brookings Institution
MURO ET AL. (2019)



56% of occupations most impacted by AI are held by **WOMEN**¹

Goldman Sachs
Research BRIGGS ET AL. (2023)

81% of occupations most impacted by AI are held by **WOMEN**¹

NBER | NATIONAL BUREAU of
ECONOMIC RESEARCH

EISFELDT ET AL. (2023)

AI Impact | Occupational Group Exposure

OCCUPATIONS	2023 JOBS¹	EARNINGS Median Hourly Rate ¹	AI EXPOSURE Occupation Group Percentile ²
Computer and Mathematical	58,576	\$52.38	91%
Production	82,344	\$19.50	82%
Business and Financial Operations	110,678	\$38.88	77%
Transportation and Material Moving	150,801	\$17.25	64%
Healthcare Practitioners	69,661	\$36.35	50%
Management	92,278	\$55.52	45%
Office and Administrative Support	166,156	\$19.92	32%
Educational Instruction and Library	63,986	\$22.74	27%
Sales	135,935	\$18.23	14%
Food Preparation and Serving	109,464	\$12.82	5%

1. Lightcast Charlotte MSA 2. Brookings AI Exposure Scores by Occupational Group translated from standard deviations into a percentile when ranked amongst all listed occupations on Table A1

AI Impact | Occupations Exposure

OCCUPATIONS	2023 JOBS ¹	EARNINGS	AI EXPOSURE
		Median Salary ¹	Occupation Exposure Percentile ²
Telemarketers	1,161	\$30,591	96%
Proofreaders and copy markers	30	\$42,283	95%
Bookkeeping	14,686	\$45,194	87%
Mathematicians	<10	N/A	86%
Computer programmers	968	\$108,885	85%
Word processors and typists	253	\$43,915	85%
Bill and account collectors	3,102	\$37,982	83%
Interpreters and translators	364	\$46,343	82%
Statistical assistants	163	\$43,498	82%
Web developers	656	\$76,442	81%
Executive secretaries	3,282	\$71,759	77%
Payroll Clerks	1,026	\$50,765	77%
Secretaries	13,520	\$41,225	77%
Production Clerks	2,904	\$47,639	76%
Information Security Analysts	2,444	\$136,070	75%

1. Lightcast Charlotte MSA data, Median Salary above Mecklenburg County Per Capita Median of \$43,919 highlighted in green, median salaries below this are highlighted in red 2. AI Exposure Scores by Occupational Group translated from standard deviations into a percentile when ranked amongst all listed occupations on Table A1

AI Impact | Occupation Exposure

30% of working hours
could be automated
by 2030

AI Impact | Occupation Exposure

Since 2015, skills for
jobs have changed by

25%

AI can accelerate
shifts by 2030

65%

AI Impact | Productivity

 **2-3%**

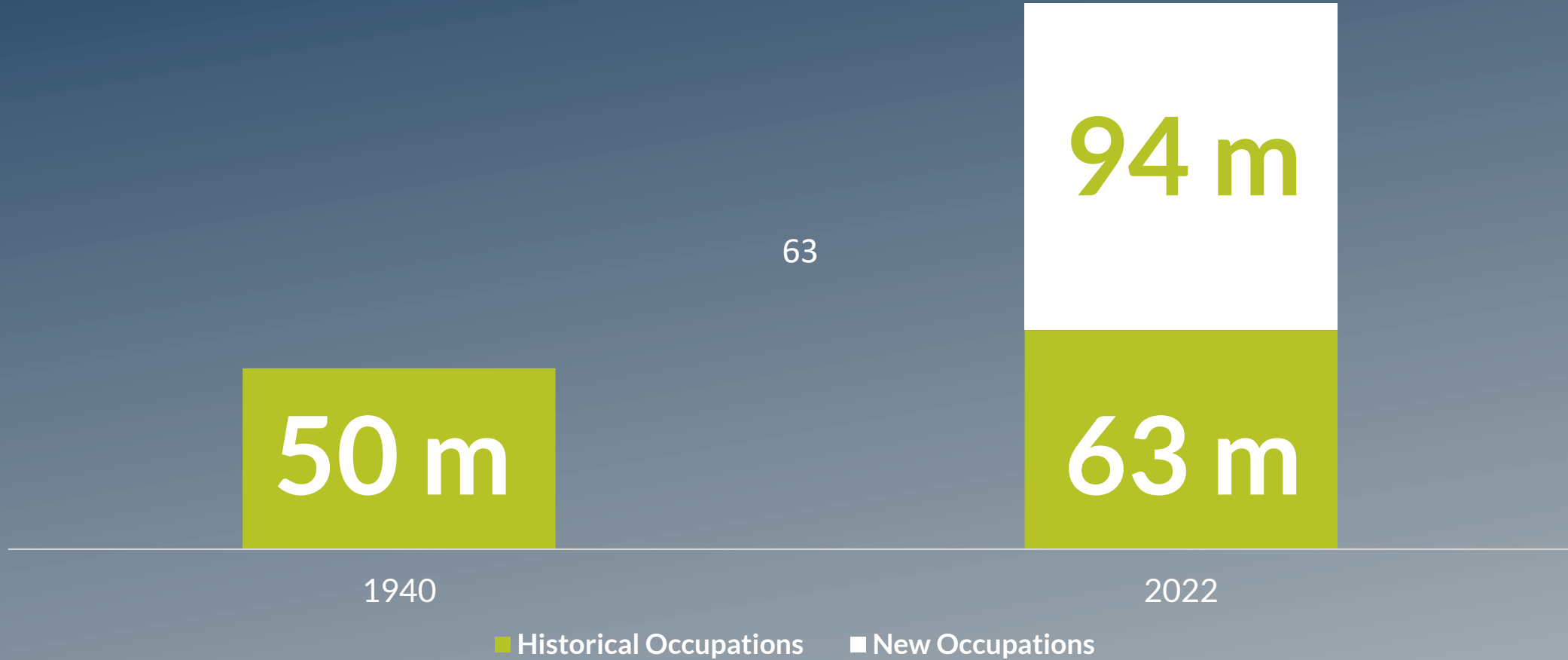
**AI Adoption Increases
Annual Worker Productivity¹**

AI Impact | Projecting Job Creation

60% 2022 Jobs Did
Not Exist in 1940

↳ **85%** of job growth over the last 80
years is technology-driven job creation

AI Impact | Projecting Job Creation



AI Impact | Call to Action

- **Build a resilient workforce:** upskilling talent enables individuals to adapt and take on new roles
- **Support policies that enhance access to talent:** includes improvements to school systems, childcare options for working parents, and access to transportation services