

MASTER OF SCIENCE IN ANALYTICS

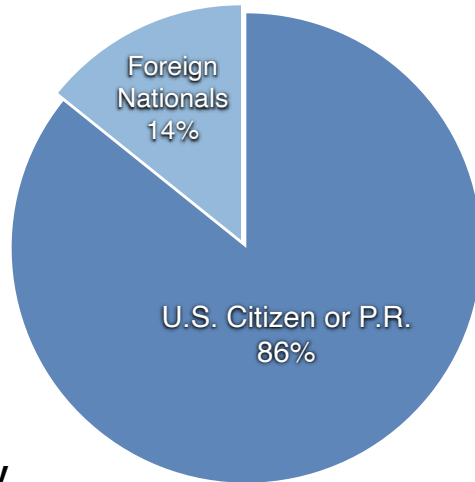
2024 ALUMNI COMMUNITY REPORT

Number of graduates (97% graduation rate):	1,409
Percent employed in the profession:	96%
Number of employers:	513
Percent employed in the U.S.:	97%
Percent employed in North Carolina:	51%
Average / median age:	34 / 32
Percent who are U.S. citizens or permanent residents:	86%
Percent who identify as female:	41%
Employed at graduation:	91%
Average starting salary (real dollars):	\$117,380
Average compensation in 2024 (survey-based estimate):	\$179,349
Promoted since graduation (within 3 years on the job):	43%
Average time to first job promotion (months):	27
Transitioned employer one or more times:	56%
Estimated contribution to U.S. GDP (in millions):	\$244.7

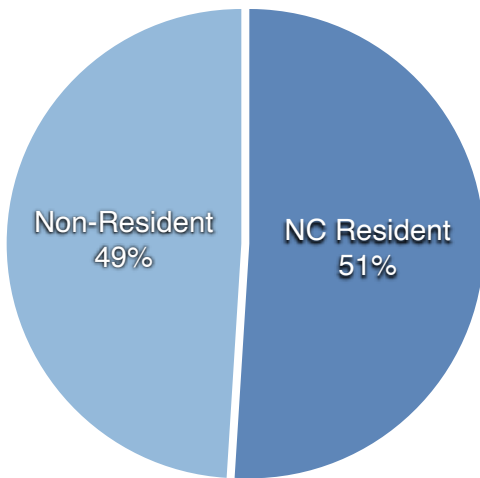
Reported as of December 31, 2024; Includes graduating classes of '08 through '24.

ALUMNI DEMOGRAPHICS

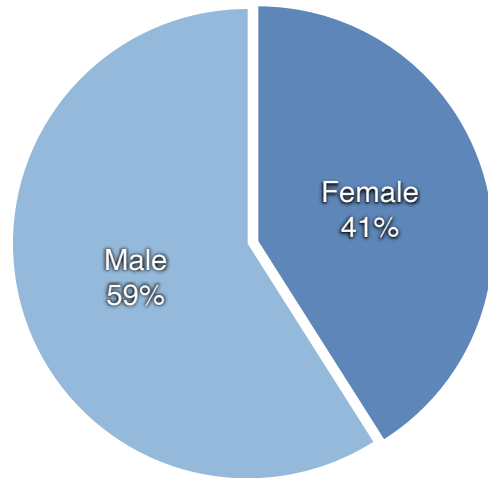
Citizenship



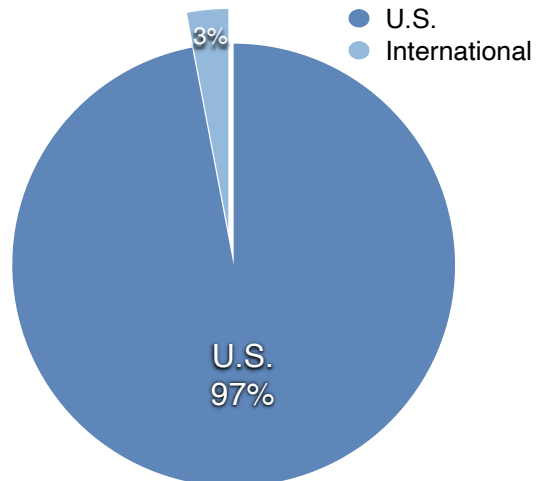
Current Residency



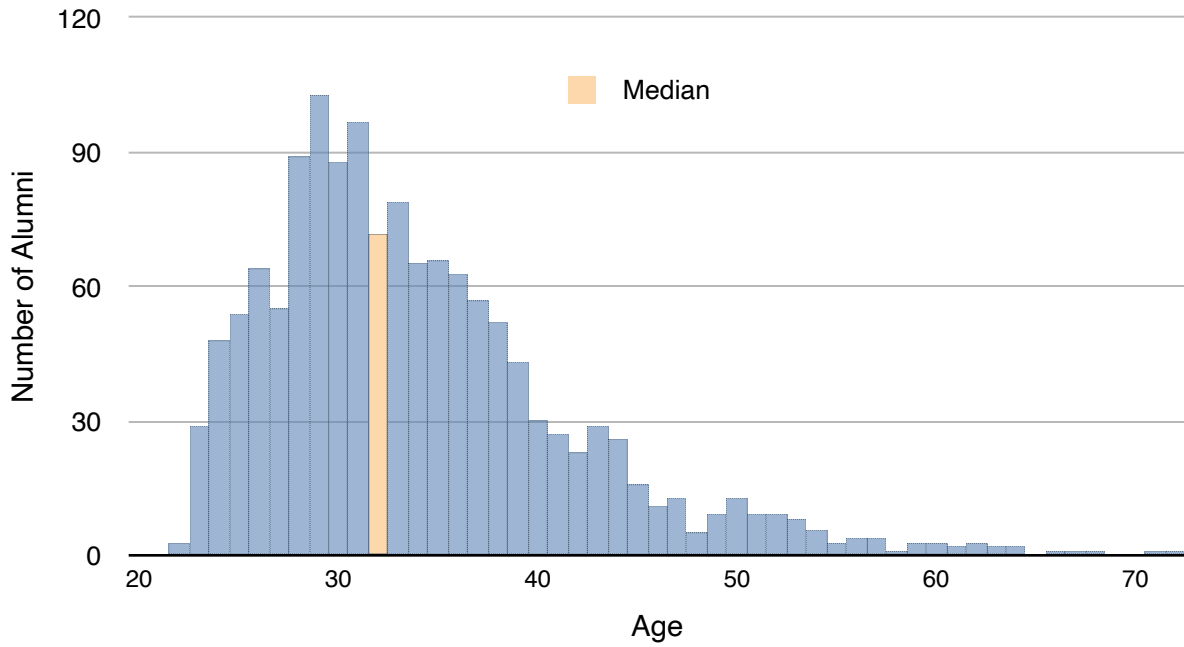
Gender ID



U.S. Employment



Distribution by Age

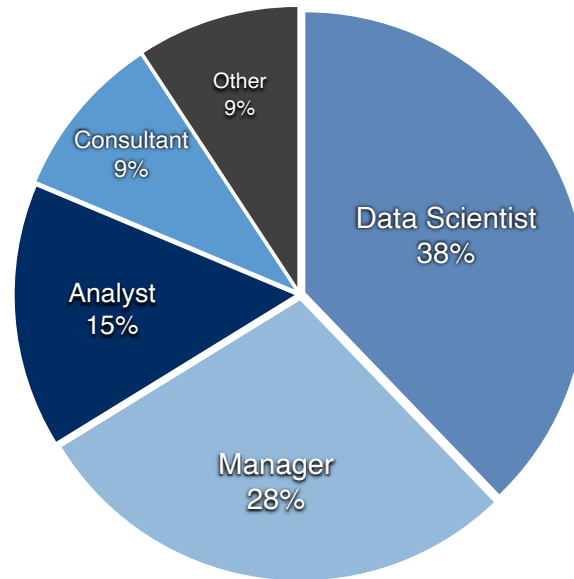


70 Countries of Origin

- | | | |
|--------------------|-------------|----------------|
| Afganistan | Georgia | Poland |
| Argentina | Germany | Romania |
| Armenia | Ghana | Russia |
| Australia | Greece | Saudi Arabia |
| Bangladesh | Guatemala | Serbia |
| Belarus | Hungary | Singapore |
| Belgium | India | South Korea |
| Belize | Indonesia | Spain |
| Bermuda | Iran | Sri Lanka |
| Brazil | Israel | Syria |
| Bulgaria | Italy | Taiwan |
| Cameroon | Jamaica | Thailand |
| Canada | Jordan | Turkey |
| China | Kenya | Turkmenistan |
| Colombia | Kyrgyzstan | Uganda |
| Costa Rica | Latvia | Ukraine |
| Croatia | Mexico | United Kingdom |
| Czech Republic | Myanmar | United States |
| Dominican Republic | Nepal | Uruguay |
| Ecuador | Nicaragua | Uzbekistan |
| Egypt | Nigeria | Venezuela |
| Eritrea | Pakistan | Vietnam |
| Ethiopia | Peru | |
| France | Philippines | |



Current Position by Major Category



Selected Positions

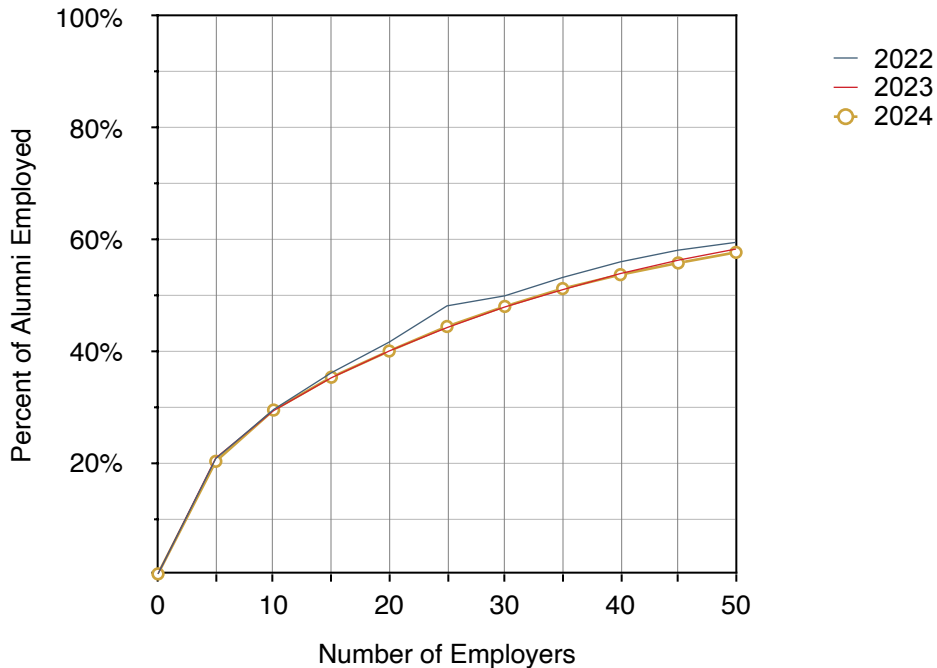
AI Consultant	Head of Data Science
AI Technology Lead	Lead Data Engineer
AI/ML Data Scientist	Lead Data Scientist
AI/ML Health Data Science Consultant	Lead Machine Learning Engineer
Analytics Consultant	Manager, Advanced Analytics
Applied AI/ML Lead	Manager, Analytical Consulting
Associate Data Scientist	Manager, Data Engineering
Associate Director of Data Science and AI	Manager, Data Science
Business Analytics Manager	Manager, Decision Analytics
Chief Data Officer	Manager, Machine Learning
Chief Data Scientist	Principal Analytics Engineer
Chief Financial Officer	Principal Data Scientist
Chief Product Officer	Research Data Scientist
Consultant	Senior Analytics Consultant
Data & Applied Scientist	Senior Analytics Manager
Data Analytics Manager	Senior Associate Data Scientist
Data Engineer	Senior Consultant
Data Science Manager	Senior Data Scientist
Data Science Senior Manager	Senior Data Science Consultant
Data Scientist	Senior Director of Data Science
Data Scientist Consultant	Senior Machine Learning Engineer
Data Scientist Lead	Senior Manager, Artificial Intelligence
Data Scientist Senior Consultant	Senior Manager, Data & Analytics
Director, Advanced Analytics	Senior Manager, Data Science
Director, Data Science	Senior Manager, Global Data Science
Director, Football Research	Senior VP, Compliance Governance
Director, Fraud Strategy & Analytics	Senior VP, Model Scoring & Data Analytics
Director, Innovation & Data Science	Vice President, Analytics
Executive Director, Distribution & Geospatial Data Science	Vice President, Data Scientist
Expert Senior Manager, Data Science	Vice President, Decision Science
Head of AI	Vice President, Lead Data Scientist
	Vice President, Head of Business Intelligence

Top-40 Employers of Alumni

Accenture	Duke University	Microsoft
Ally	Elder Research	NC Joint Underwriters Assoc.
Amazon	Elevate	Pendo
Ankura	EY	Red Hat
Apple	Fidelity Investments	RTI International
Bain & Company	Fifth Third Bank	SAS
Bank of America	Google	The Home Depot
Capital One	Guidehouse	The Walt Disney Company
Cigna/Evernorth	JPMorgan Chase	Truist
Cisco	LendingTree	UNC Chapel Hill
Credit Karma	Lowe's Companies	US Government
Databricks	M&T Bank	Verizon
Dataiku	Meta	Wells Fargo
Deloitte		

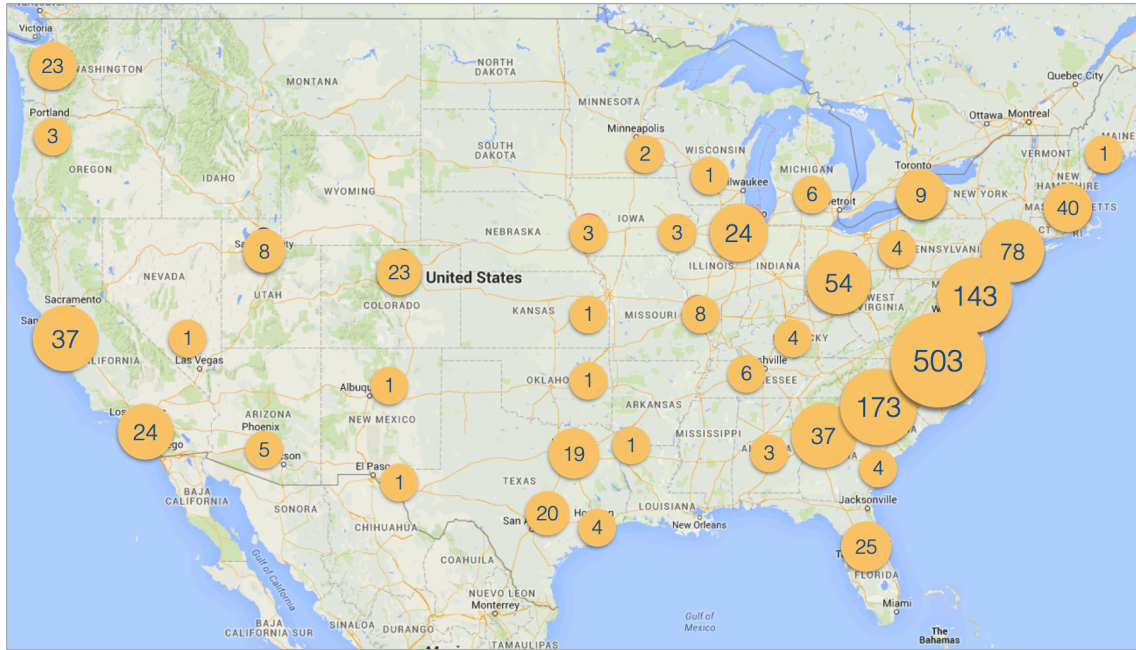
Note: There are 477 employers of alumni in total.

Alumni Concentration Among the Top-50 Employers

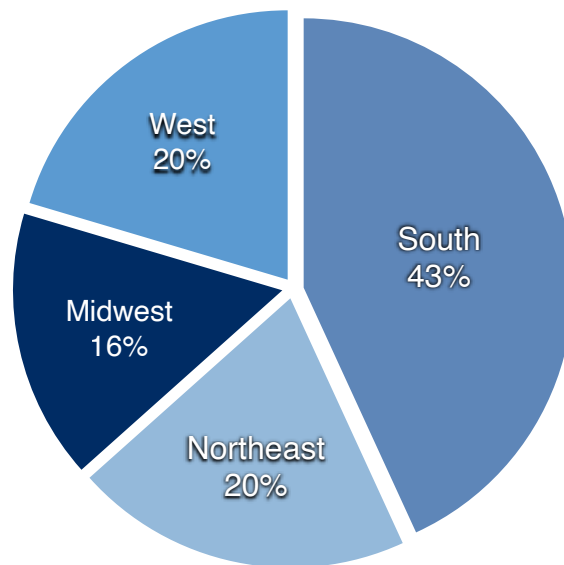


Note: The top-20 employers account for 40% of all employment among alumni.

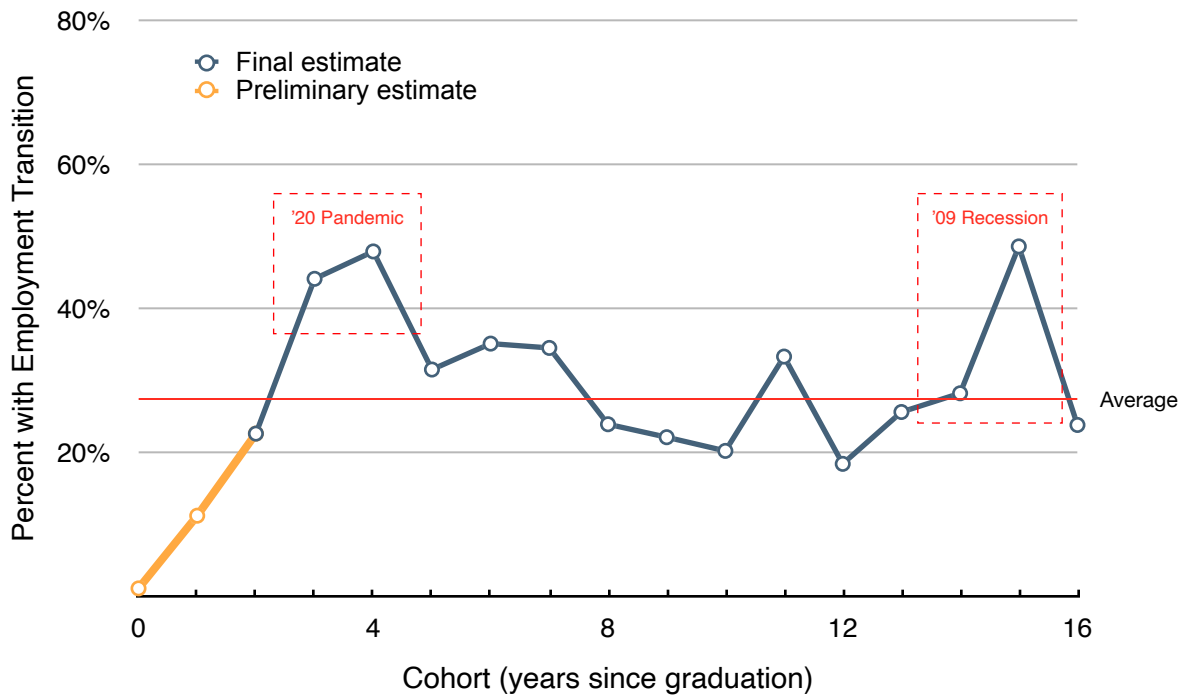
Geographic Distribution of Employment within U.S.



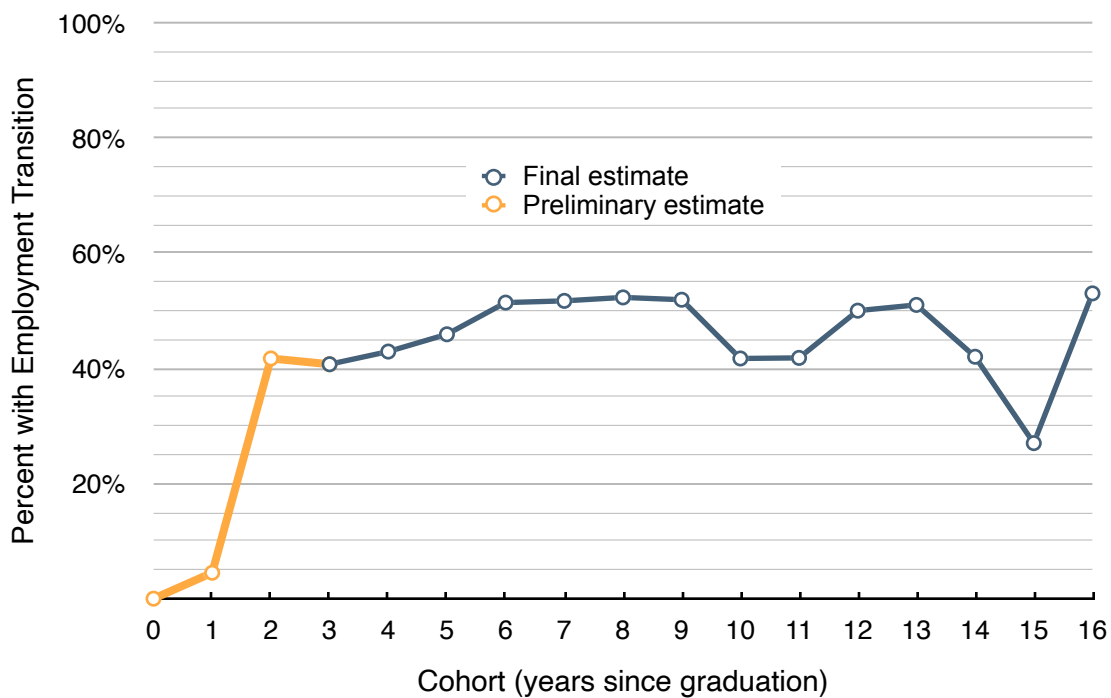
Distribution of Employment Outside North Carolina by U.S. Geographic Region



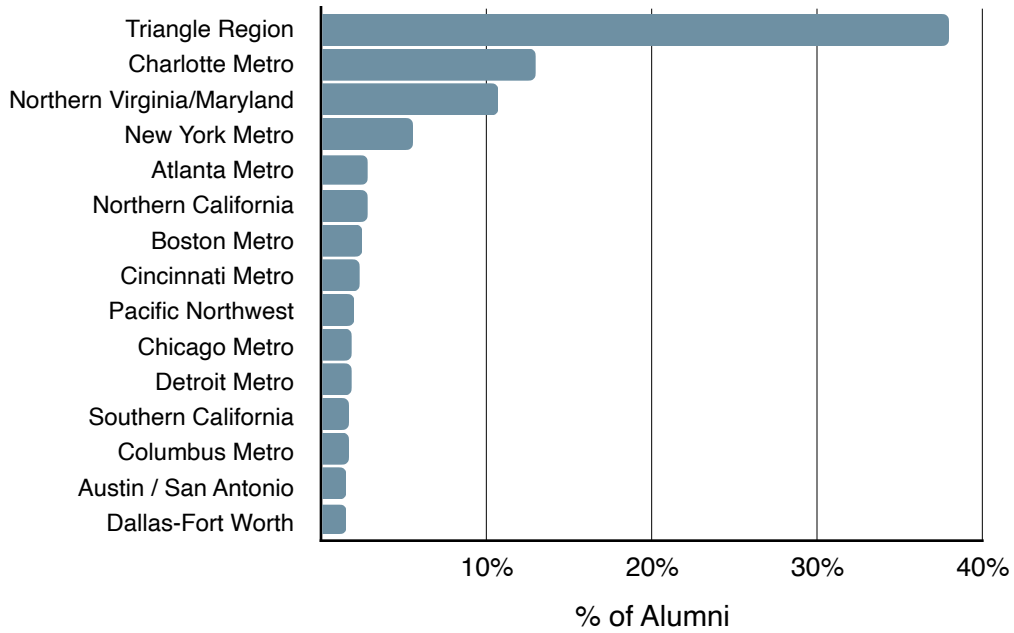
First Employment Transition Occurring Within 2 Years of Graduation



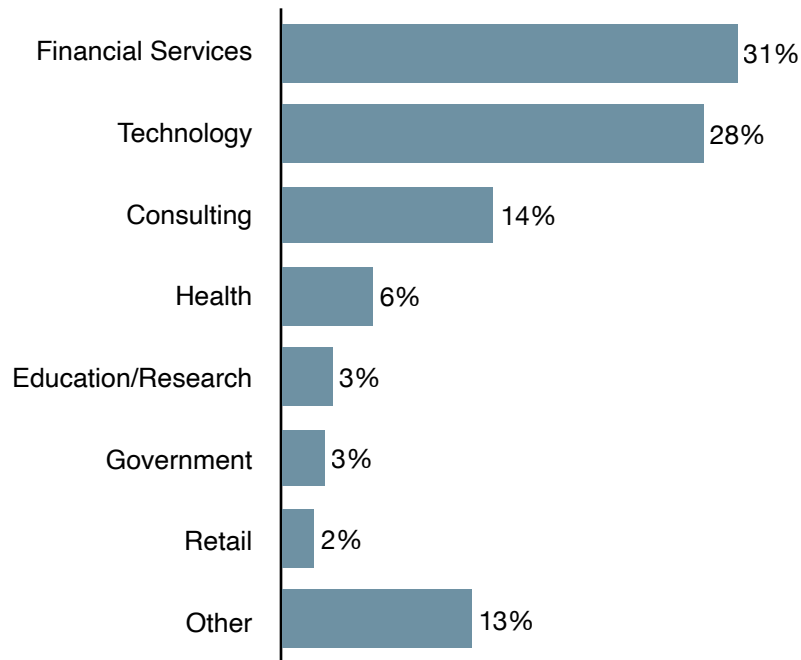
Percent of Cohort with the First Job Promotion Occurring Within 3 Years of Graduation



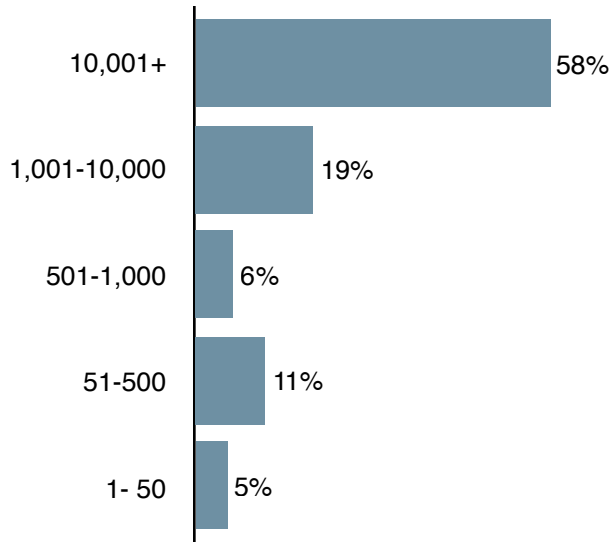
Distribution of Alumni Across by Top Metropolitan Areas



Distribution of Employment by Major Industry Sector

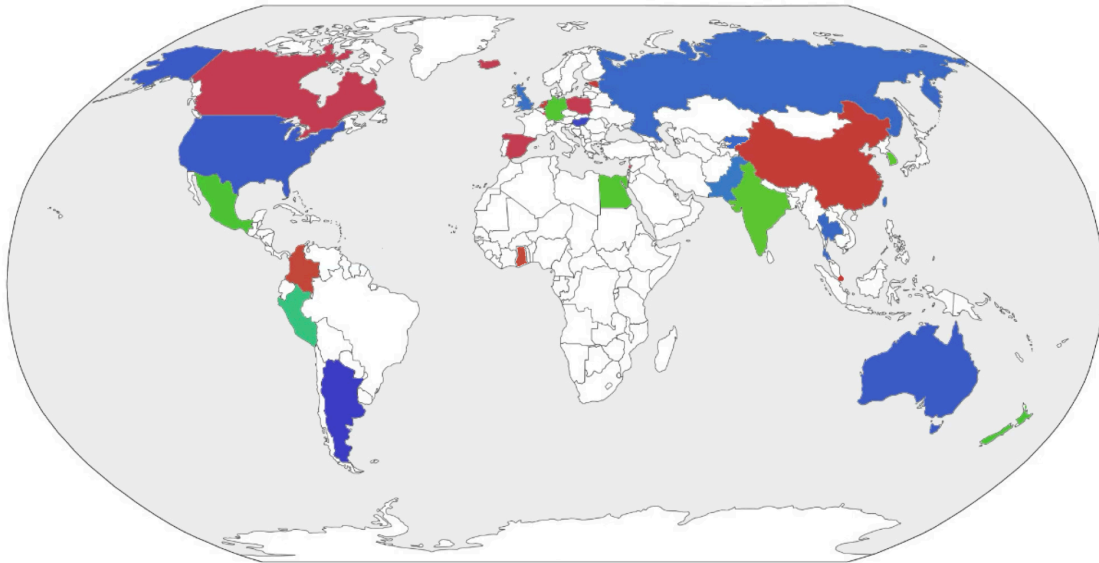


Distribution of Alumni By Size of Employer

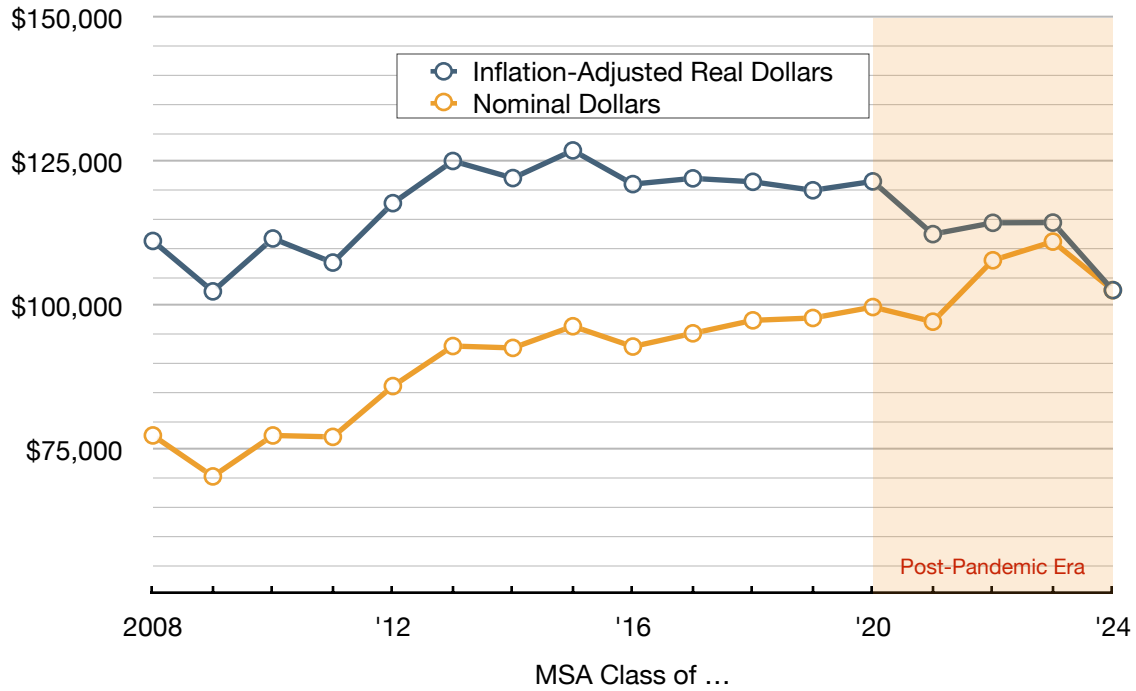


Percent of Alumni

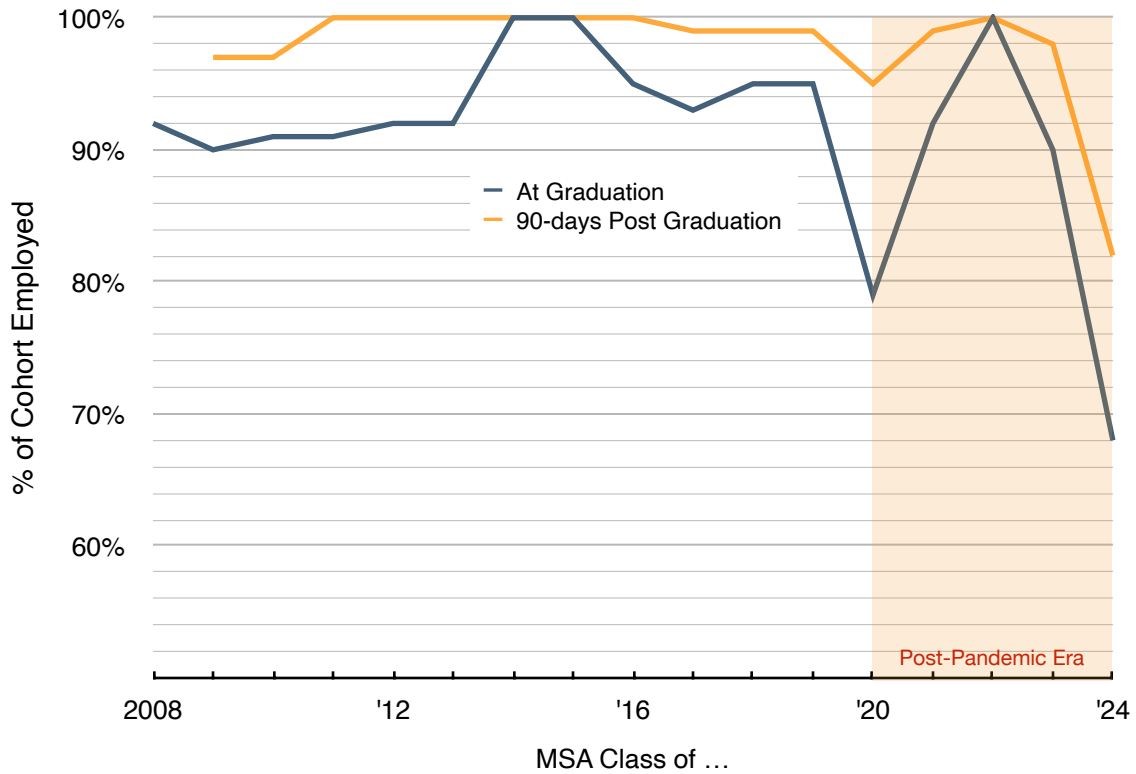
Global Employment Locations



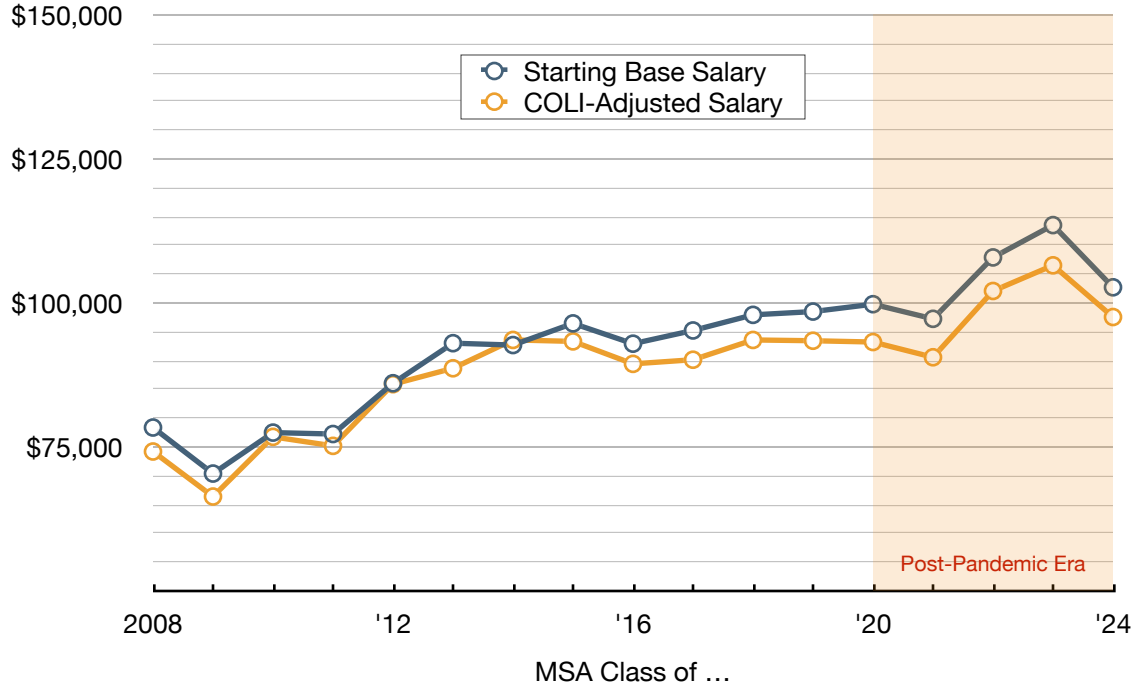
INFLATION-ADJUSTED AVERAGE STARTING BASE SALARY BY COHORT YEAR



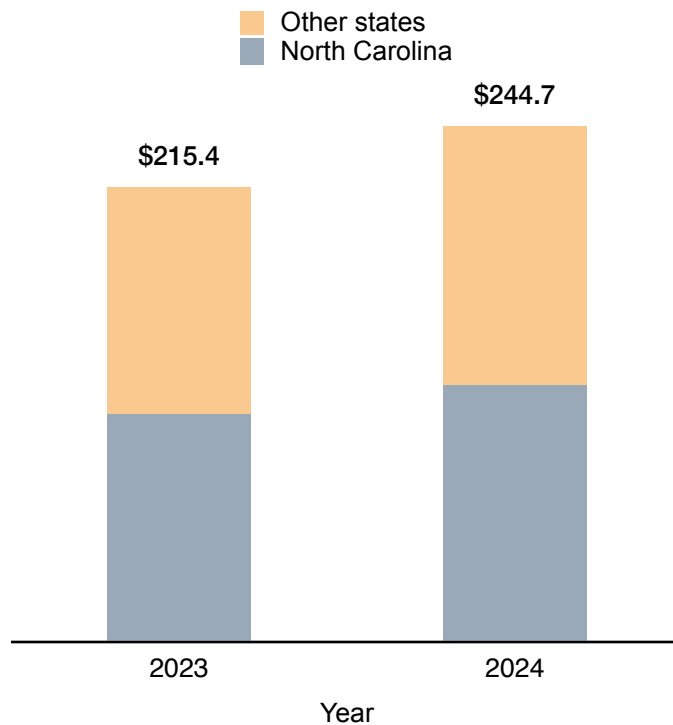
Employment at Graduation and 90-Days Post Graduation



COST OF LIVING INDEX (COLI) ADJUSTED STARTING BASE SALARY BY LOCATION OF EMPLOYMENT



Estimated Alumni Contribution to U.S. Gross Domestic Product (\$Millions)

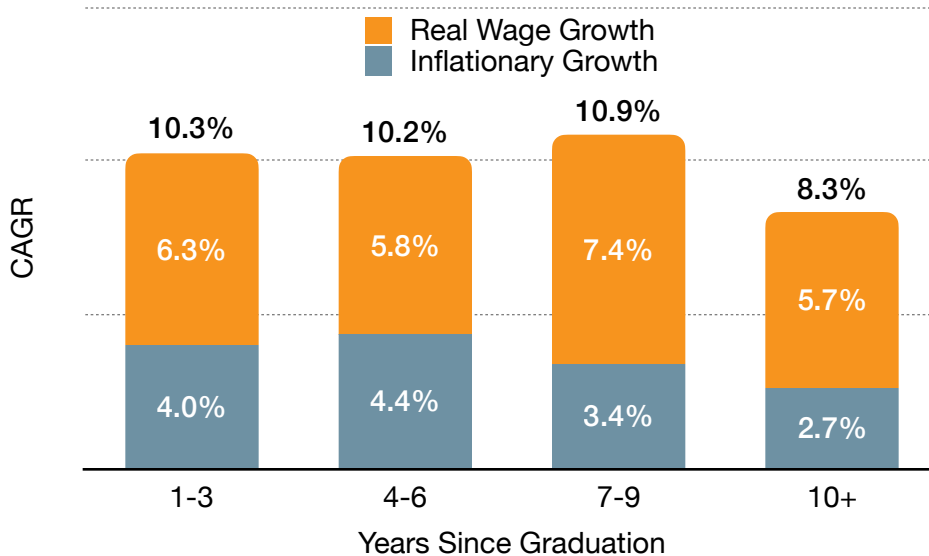


Total Compensation by Years Post-Graduation

	Years Post-Graduation			
	1-3 Years	4-6 Years	7-9 Years	10 or More Years
Mean	\$139,627	\$180,369	\$236,731	\$243,006
Max	\$255,000	\$450,000	\$898,000	\$515,000
75th	\$150,692	\$189,500	\$274,000	\$292,000
Median	\$136,250	\$167,000	\$215,000	\$225,500
25th	\$120,000	\$141,300	\$166,315	\$169,000
Min	\$81,000	\$90,000	\$80,000	\$123,000
CAGR	10.3%	10.2%	10.8%	8.3%
N	140	97	95	34
Population	320	335	307	305
Response Rate	44%	29%	31%	11%

Alumni conducted September/October, 2024 (396 respondents).

Total Compensation Compound Annual Growth Rate by Years Since Graduation (n=366)



Total Compensation by Position Category

	Position Category				
	Analysts	Consultants	Data Scientists	Managers	Other
Mean	\$146,000	\$155,991	\$173,573	\$224,410	\$203,825
Max	\$260,000	\$357,000	\$898,000	\$512,000	\$500,000
75th	\$157,500	\$168,500	\$180,000	\$266,500	\$231,250
Median	\$135,000	\$139,000	\$156,000	\$204,500	\$178,500
25th	\$119,500	\$116,500	\$135,000	\$161,750	\$141,275
Min	\$96,000	\$90,000	\$81,000	\$108,000	\$80,000
CAGR	9.6%	9.5%	9.6%	8.7%	10.3%
N	40	35	142	104	30
Population	174	109	462	374	148
Response Rate	23%	32%	31%	28%	20%
Average Age	32	33	33	35	34

Alumni conducted September/October, 2024 (396 respondents).

Median Total Compensation by Position Category

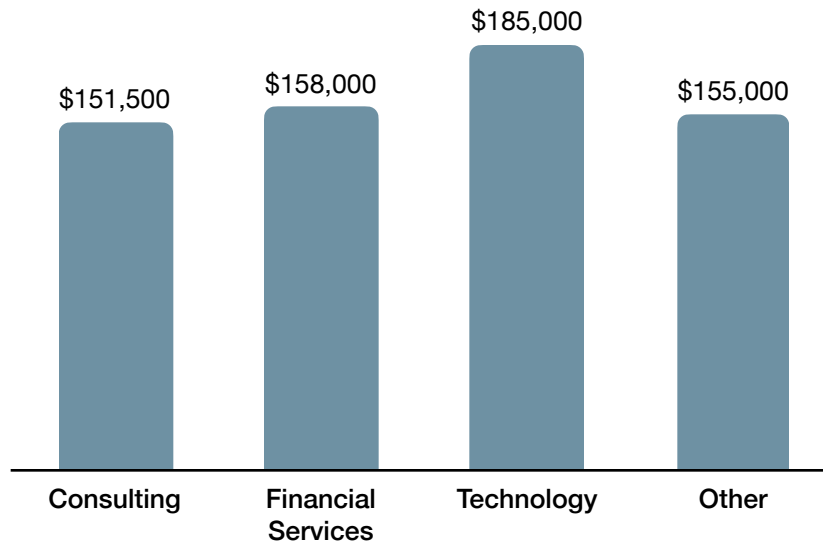


Total Compensation by Major Industry Sector

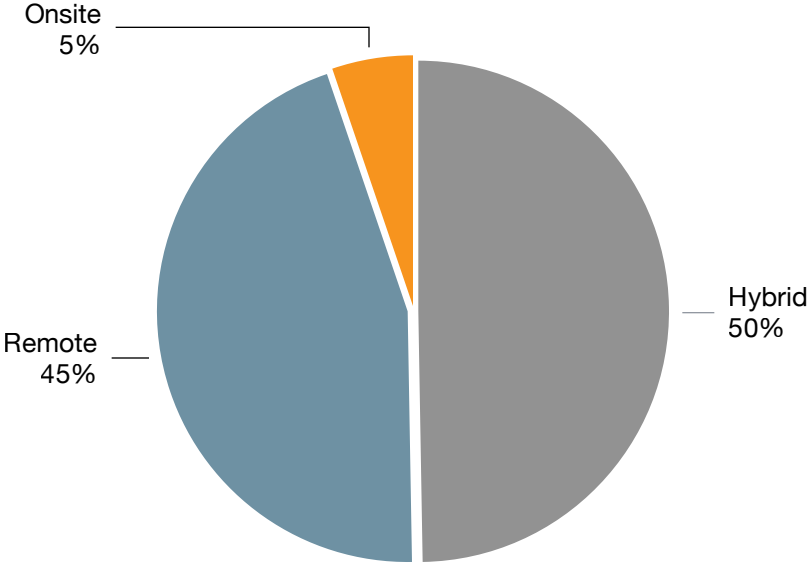
	Industry Sector			
	Consulting	Financial Services	Technology	Other
Mean	\$166,269	\$168,862	\$224,507	\$175,863
Max	\$350,000	\$450,000	\$898,000	\$395,000
75th	\$182,750	\$181,375	\$247,500	\$212,500
Median	\$151,500	\$158,000	\$185,000	\$155,000
25th	\$131,500	\$137,000	\$156,250	\$122,028
Min	\$80,000	\$97,000	\$85,000	\$81,000
CAGR	9.2%	9.9%	12.2%	9.5%
N	50	122	99	95
Population	196	363	389	317
Response Rate	26%	34%	25%	30%
Average Age	32	31	35	33

Alumni conducted September/October, 2024 (396 respondents).

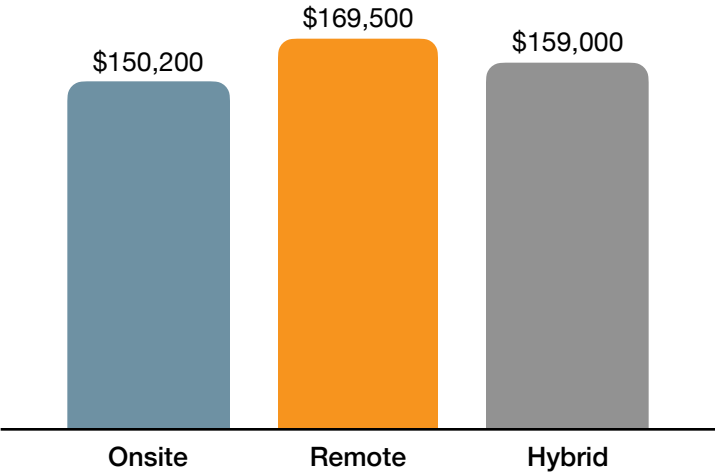
Median Total Compensation by Industry Sector



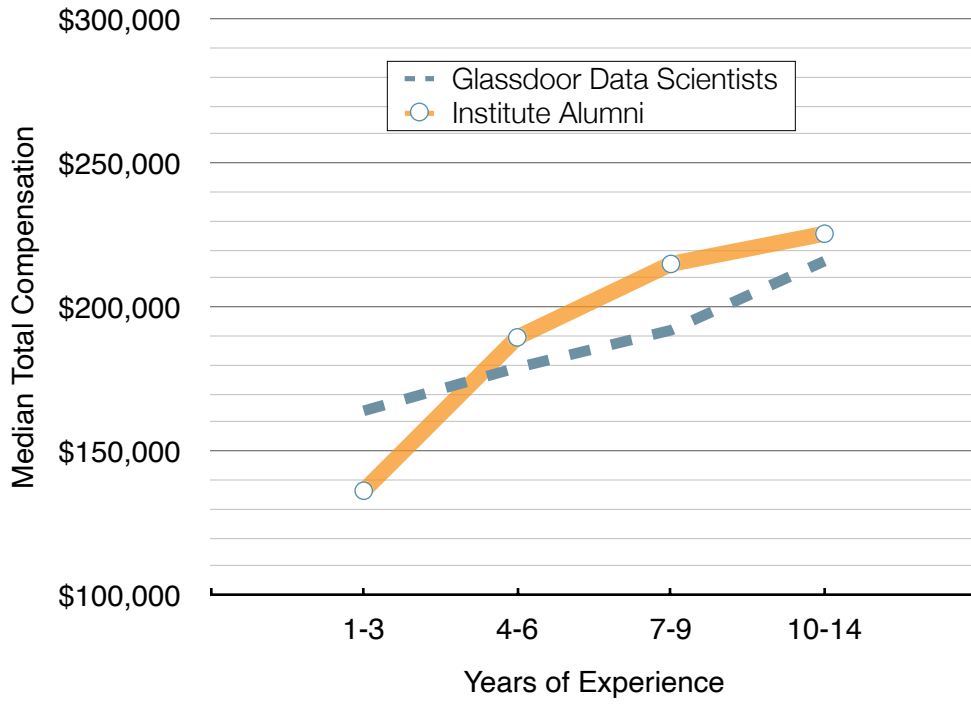
Distribution of Alumni by Workplace Arrangement



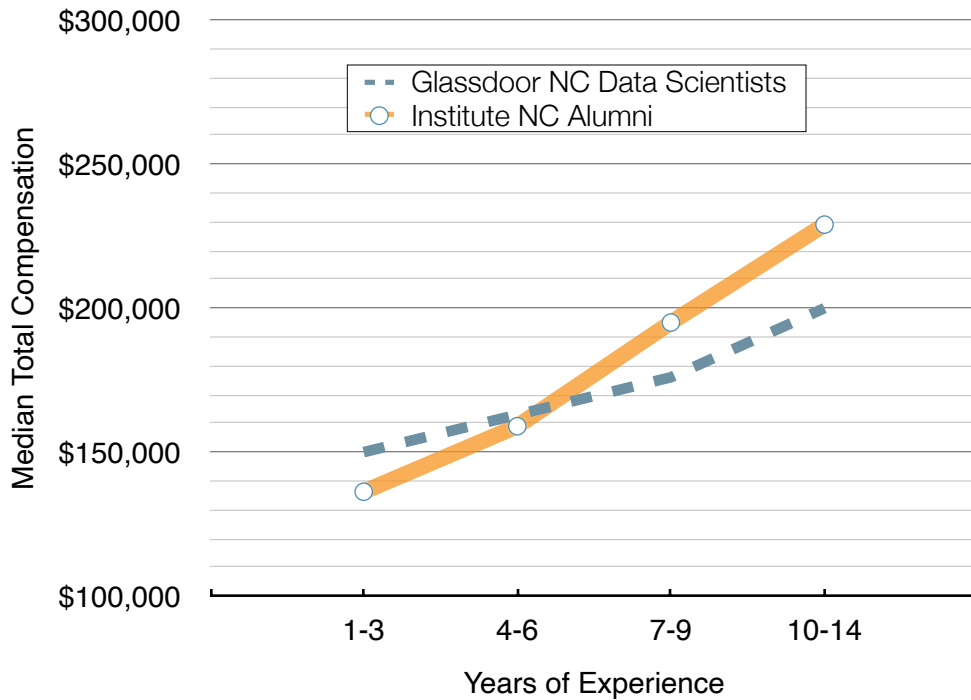
Median Total Compensation by Workplace Arrangement

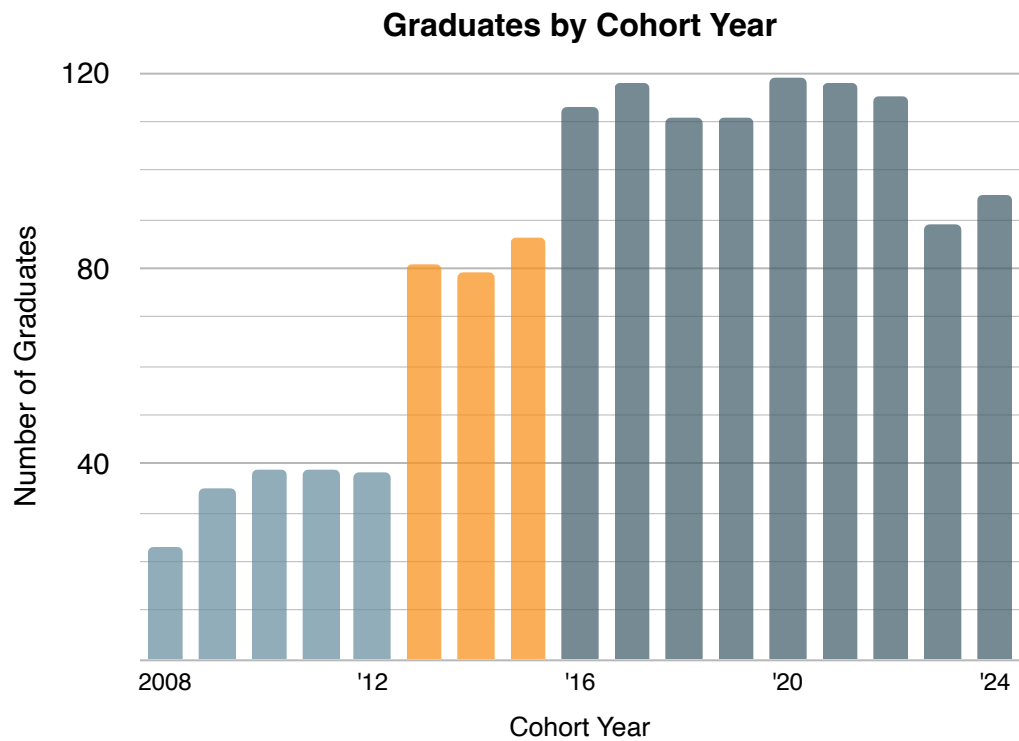


Median Total Compensation for Alumni and Glassdoor Data Scientists by Years of Experience



Median Total Compensation for NC-based Alumni and Glassdoor NC Data Scientists by Years of Experience





About the Data

Data in this report are compiled primarily from three sources: (1) Institute records on admissions and employment published annually; (2) Information on current employment, including transitions and promotions, gathered from alumni profiles on LinkedIn; and (3) periodic surveys with 900 alumni participating since 2023.

Institute measurements are typically a census of each cohort year with carefully curated data for completeness and accuracy.

Though imperfect, data culled from LinkedIn may be useful in discerning trends over time keeping in mind the limitations. While a significant portion of the alumni population maintain up-to-date and detailed profiles, there are cases where the profile is updated sporadically or provides only rudimentary details about employers and positions. In a small number of cases it is evident a profile has been stagnant since graduation. Individuals may be more likely to make timely updates to their profile when significant career changes happen, such as employer transitions, and slightly less so when receiving career ladder promotions.

Source URL: <http://analytics.ncsu.edu/reports/alumni/MSA2024.pdf>