

MASTER OF SCIENCE IN ANALYTICS

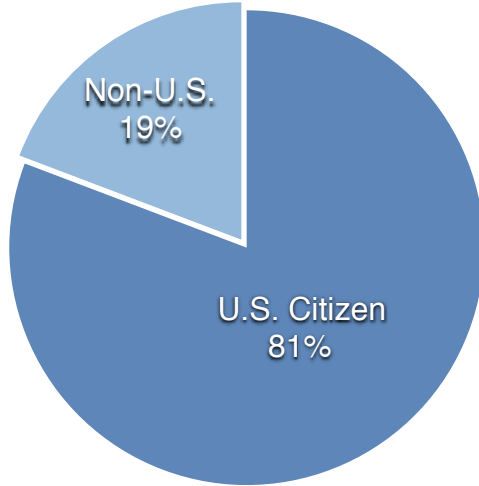
2017 ALUMNI REPORT

Number of alumni (97% graduation rate):	650
Percent employed in the profession:	99%
Number of employers:	230
Percent employed in the U.S.:	97%
Percent employed in North Carolina:	53%
Average / median age:	32 / 30
Percent who are U.S. citizens:	81%
Percent who are women:	40%
Employed at graduation:	95%
Promoted since graduation (with 2 or more years on the job):	46%
Average time to first promotion (months):	31
Transitioned employment one or more times:	33%
Average time to first employment transition (months):	27
Estimated annual payroll in 2017 (in millions):	\$52.1

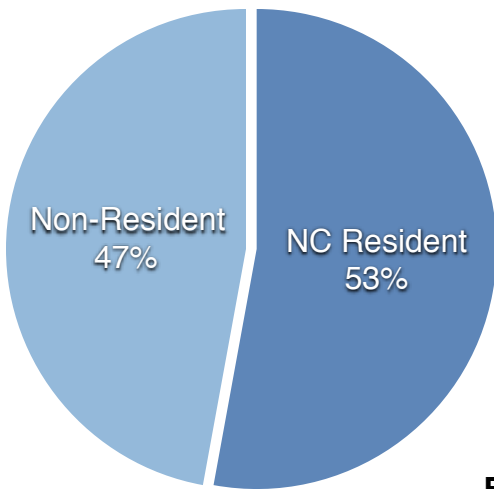
Reported as of December 31, 2017; Includes graduating classes of 2008 through 2017.

# ALUMNI DEMOGRAPHICS

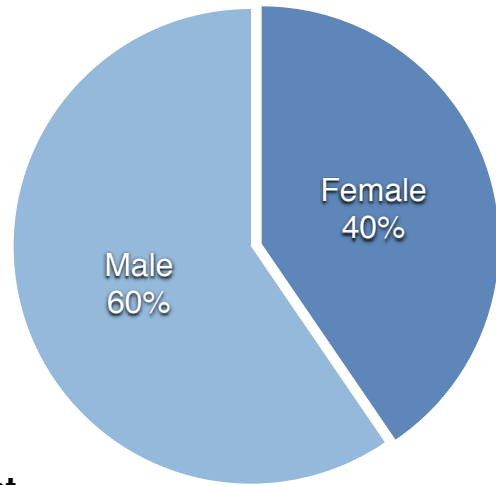
## Citizenship



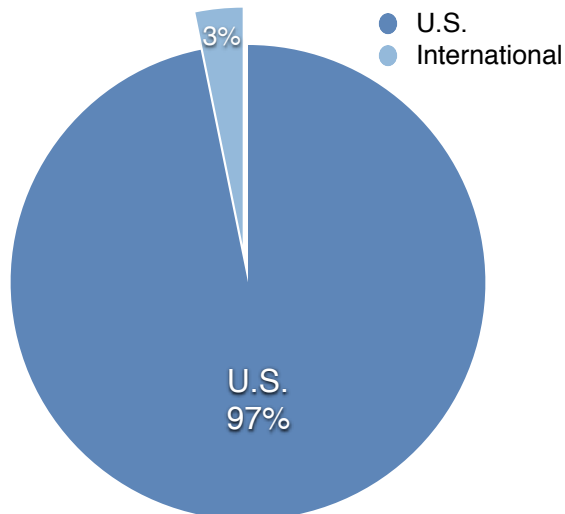
## Residency



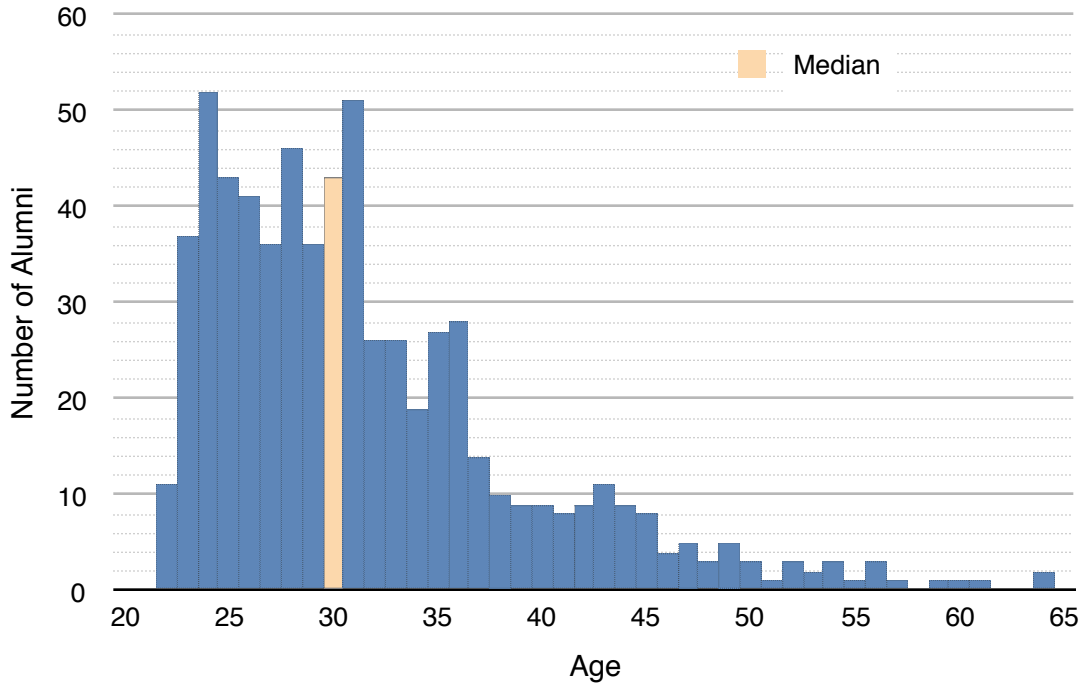
## Gender



## Employment



## Age Distribution

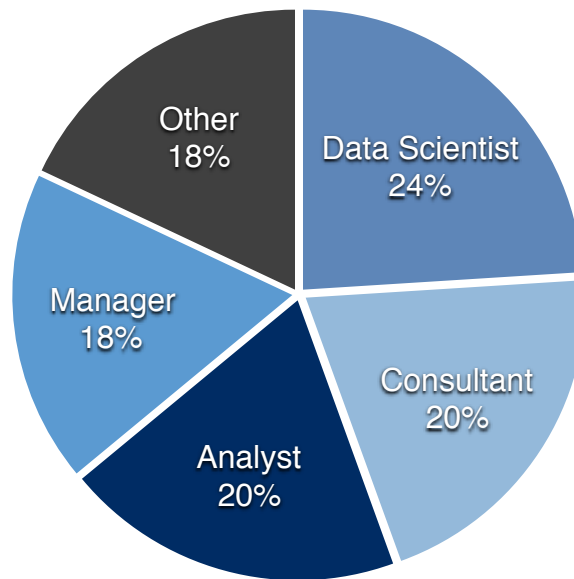


## 57 Countries of Origin

- |                    |            |                |
|--------------------|------------|----------------|
| Argentina          | Eritrea    | Peru           |
| Armenia            | Ethiopia   | Philippines    |
| Australia          | France     | Poland         |
| Bangladesh         | Germany    | Romania        |
| Belarus            | Ghana      | Russia         |
| Belgium            | Greece     | Saudi Arabia   |
| Bermuda            | Hungary    | Singapore      |
| Brazil             | India      | South Korea    |
| Bulgaria           | Iran       | Spain          |
| Canada             | Israel     | Sri Lanka      |
| China              | Italy      | Thailand       |
| Colombia           | Jamaica    | Turkey         |
| Costa Rica         | Kyrgyzstan | Ukraine        |
| Cote d'Ivoire      | Latvia     | United Kingdom |
| Croatia            | Mexico     | United States  |
| Czech Republic     | Nepal      | Uruguay        |
| Dominican Republic | Nicaragua  | Uzbekistan     |
| Ecuador            | Nigeria    | Venezuela      |
| Egypt              | Pakistan   | Vietnam        |



## Positions Held by Major Categories




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## Selected Positions

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Advanced Analytics Data Scientist	Quantitative Finance Analyst
Analytical Consultant	Research Data Scientist
Analytics and Modeling Manager	Risk Analyst
Analytics Consultant	Senior Analyst
Associate Data Scientist	Senior Analytics Consultant
Business Data Scientist	Senior Analytics Manager
Chief Data Scientist	Senior Associate
Consultant	Senior Consultant
Data Analyst	Senior Associate Analytical Consultant
Data Scientist	Senior Associate Consultant
Head of Data and Analytics	Senior Associate Data Scientist
Head of Risk Management	Senior Associate Systems Engineer
Lead Analyst	Senior Consultant
Lead Data Scientist	Senior Data Analyst
Manager, Advanced Analytics	Senior Data Scientist
Manager, Customer Insights	Senior Financial Analyst
Manager, Data and Analytics	Senior Insights Analyst
Manager, Data Engineering	Senior Manager, Advanced Analytics
Manager, Data Science	Senior Model Validation Analyst
Manager, Medical Advanced Analytics	Senior Statistical Analyst
Manager, Reporting and Analytics	Software Developer
Marketing Data Scientist Senior Associate	Staff Consultant
Marketing Optimization Senior Associate	Statistician
Operations Analytics Modeler	Technical Account Manager
Operations Research Analyst	Technical Architect
Principal Analyst, Data Science	Technical Consultant
Principal Data Scientist	Vice President, Data Science & Analytics

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## Leading Employers

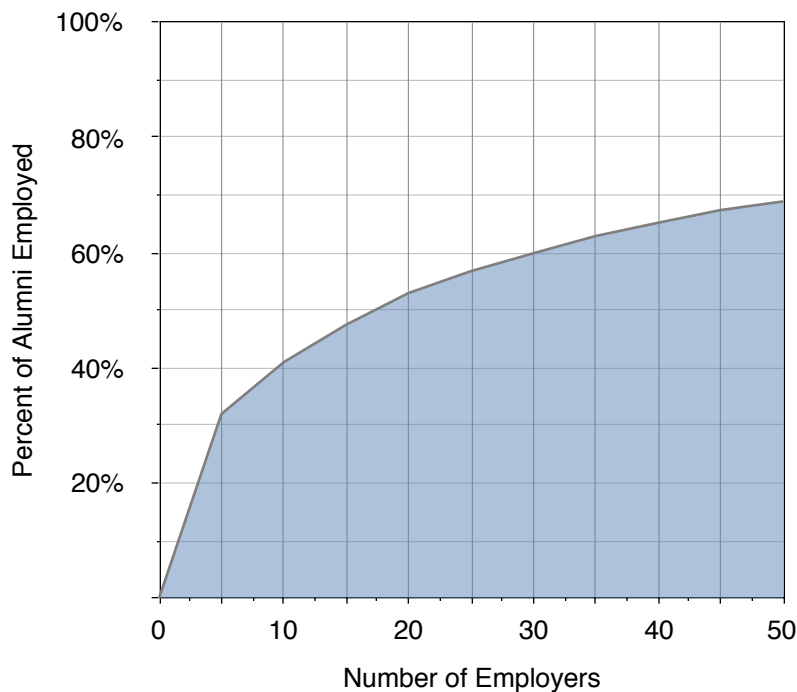
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<p><b>Accenture</b>            Ally Financial            Amazon            Ankura Consulting  <b>Bank of America</b>            BB&amp;T            Blue Cross Blue Shield of NC            Boeing  <b>Cigna</b>            Citrix            Cognizant            Community Care of North Carolina  <b>Deloitte</b>            eBay            Elder Research            Elevate            Elicit, LLC  <b>EY</b>            Facebook  <b>Fifth Third Bank</b>            Genworth Financial</p>	<p>GlaxoSmithKline            Google            IBM  <b>JP Morgan Chase</b>            Lash Group – AmerisourceBergen            Liberty Mutual  <b>M&amp;T Bank</b>            Marriott International            Northrop Grumman            Putnam Investments            PwC            Red Hat            Rho            RTI International  <b>SAS Institute</b>            The Home Depot            The Walt Disney Company            TIAA  <b>U.S. Government</b>            Visionist            Zencos</p>
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Note: The Top-10 employers are listed in **Bold**. There are 230 employers in total.

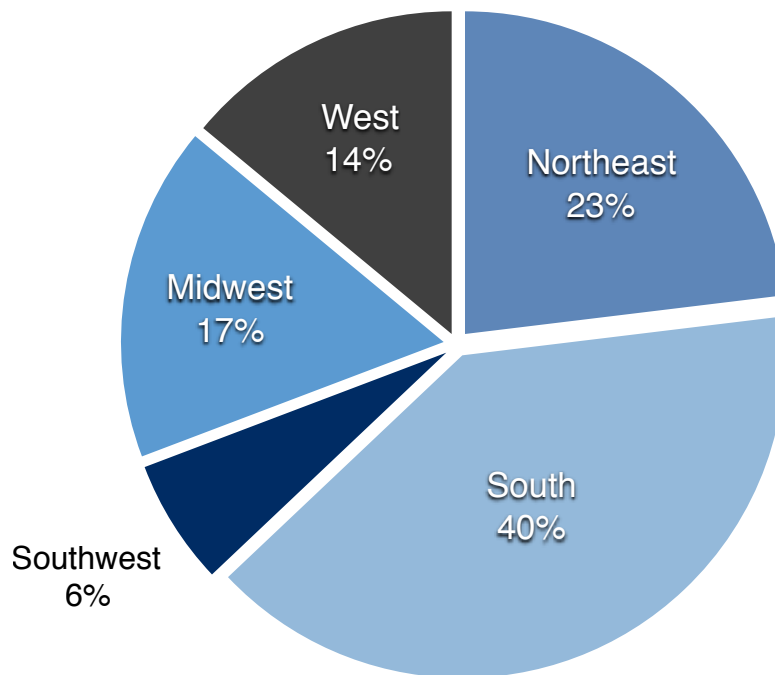
### Alumni Concentration Among the Top-50 Employers



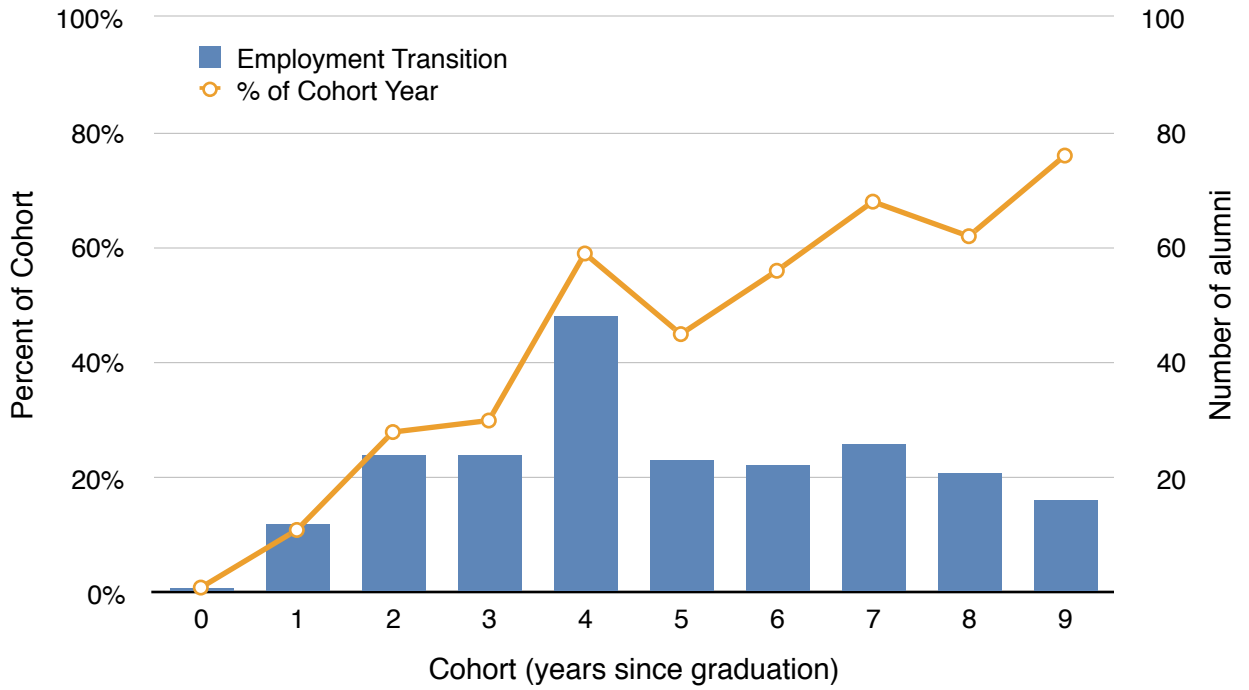
## Geographic Distribution of Employment within U.S.



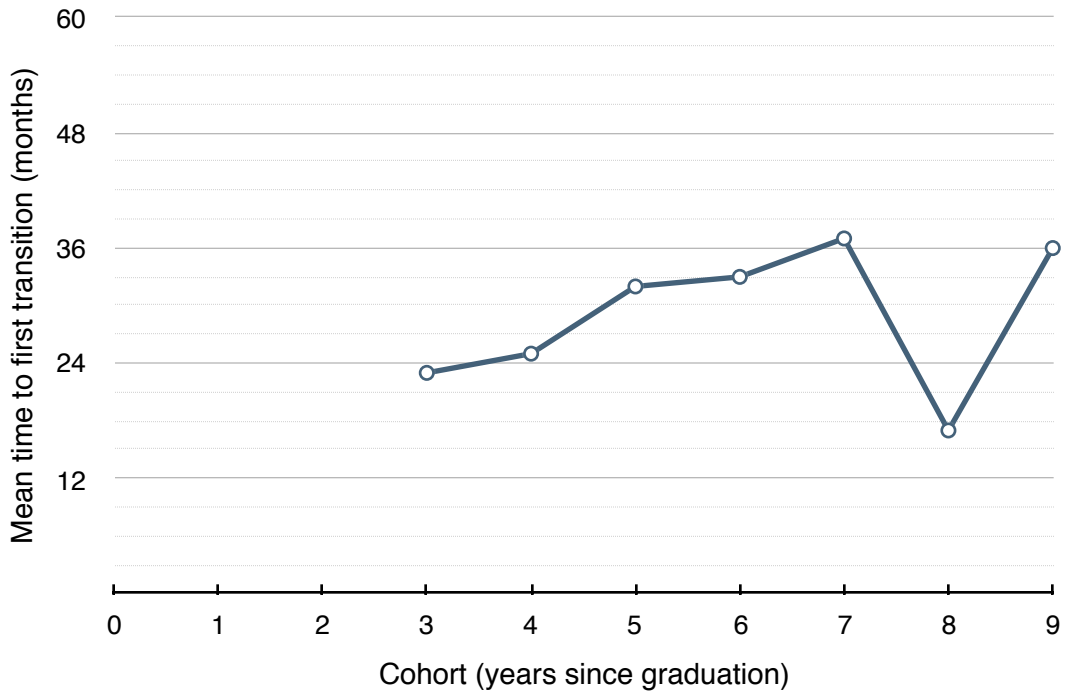
## Distribution of Employment Outside North Carolina by U.S. Geographic Region



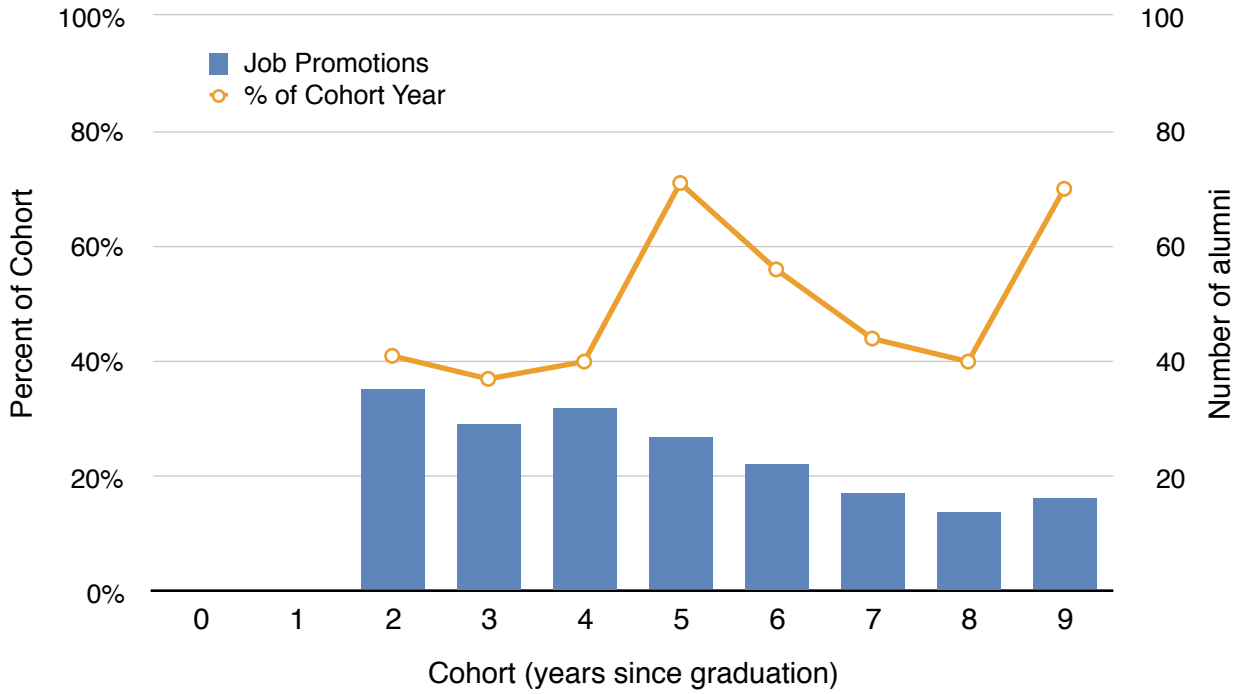
### First Employment Transition by Cohort



### Mean Time to First Employment Transition by Cohort (3 Years Post-Graduation)



### First Job Promotion by Cohort

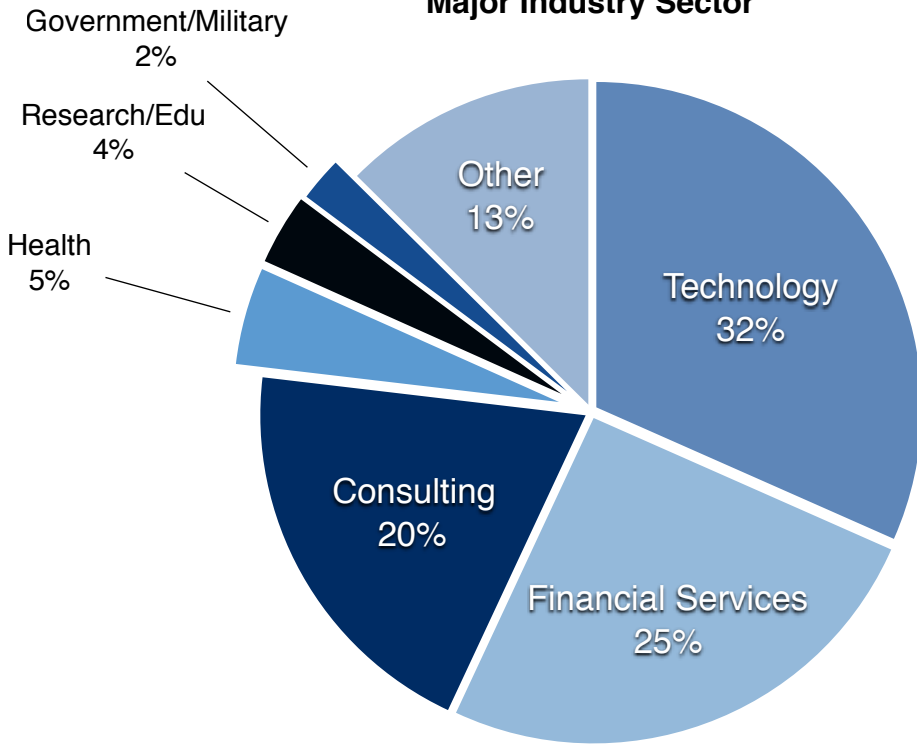


### Mean Time to First Job Promotion by Cohort (3 Years Post-Graduation)

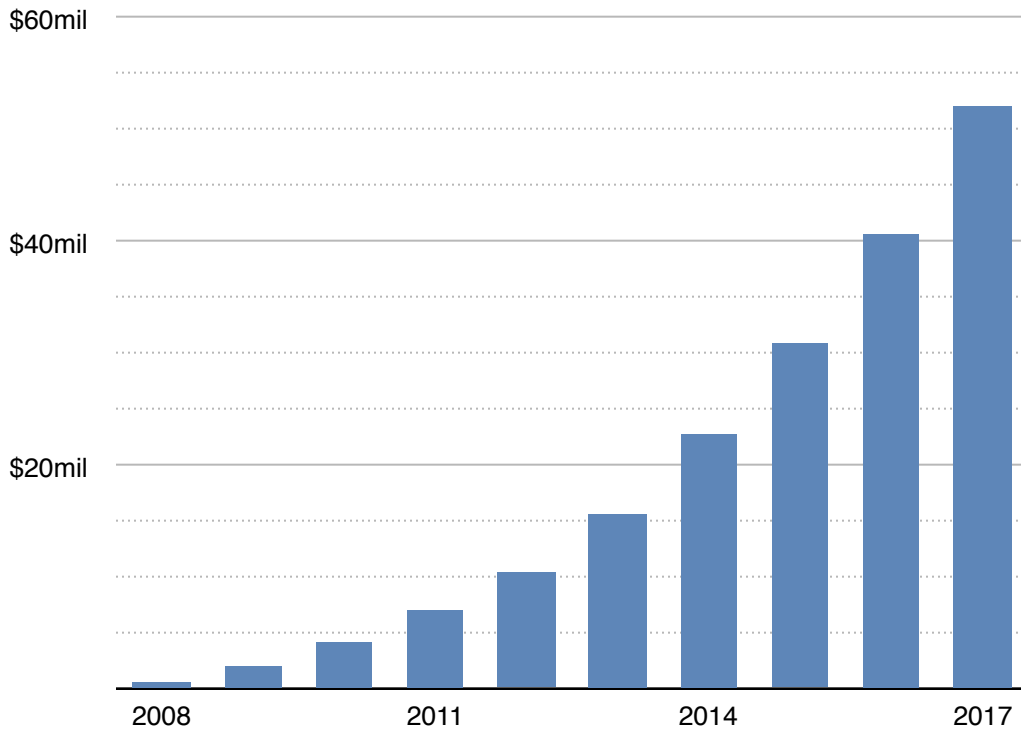




### Distribution of Employment by Major Industry Sector

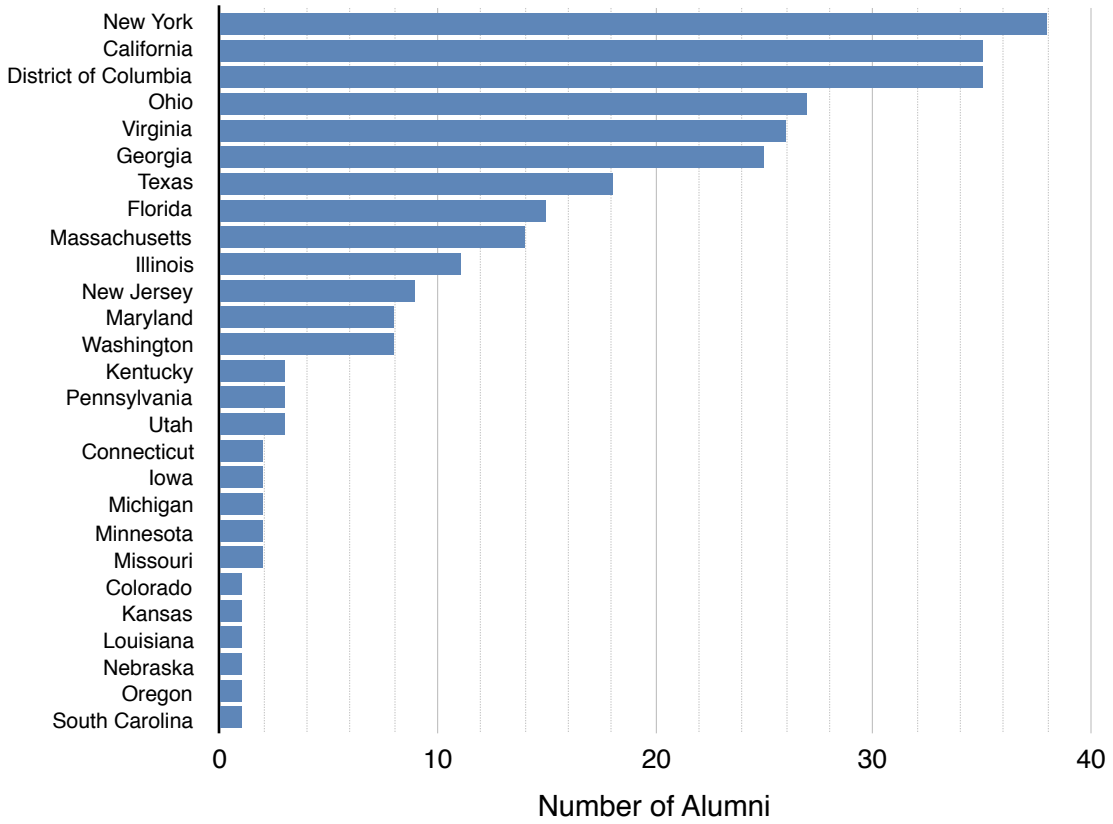


### Estimated Annual Earnings of Alumni Community



Note: Estimate is based on individual starting salaries adjusted for inflation.

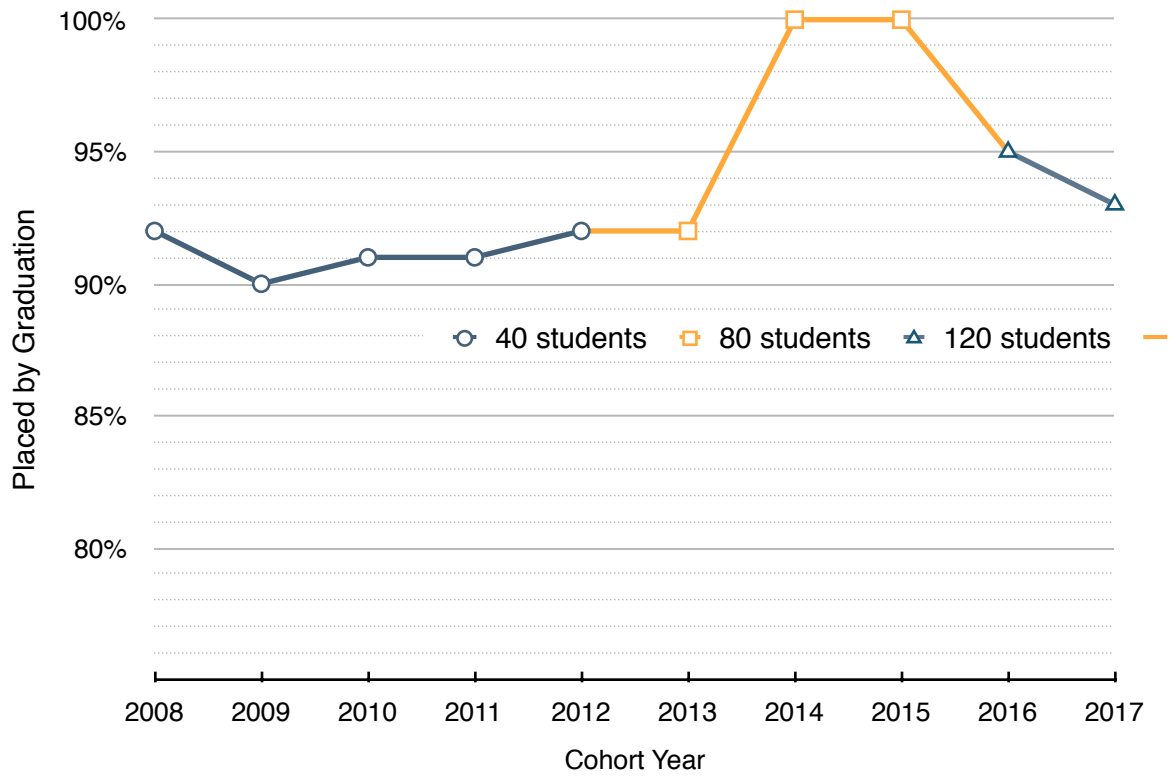
## Geographic Distribution of Employment Outside North Carolina



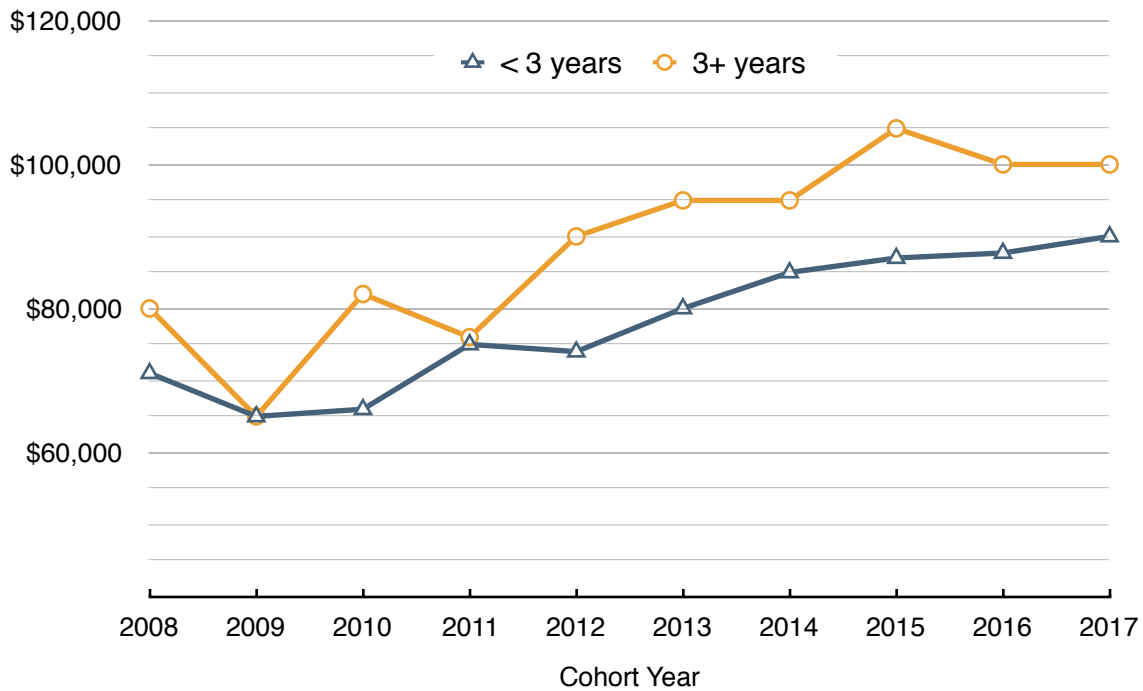
## Global Employment Locations



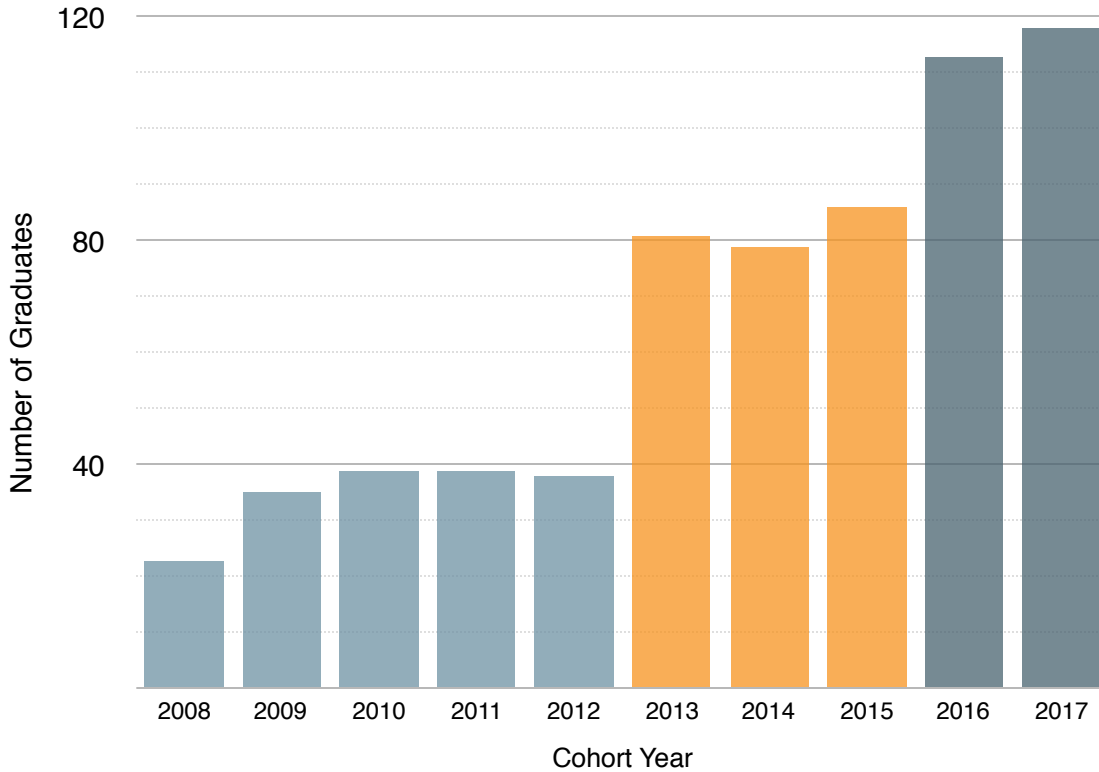
### Employment at Graduation



### Median Base Salary Upon Graduation



## Graduates by Cohort Year



### About the Data

Data in this report are compiled primarily from two sources: (1) Institute records on admissions and employment published annually; and (2) Information on current employment, including transitions and promotions, gathered from alumni profiles on LinkedIn. Among the 650 alumni, 643 maintain a LinkedIn profile.

Institute generated 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 changes happen, such as employment transitions, and slightly less so when receiving career ladder promotions.

Source URL: <http://analytics.ncsu.edu/reports/alumni/MSA2017.pdf>

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