## Alumni Summary

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

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

For further information contact: analytics@ncsu.edu
ALUMNI DEMOGRAPHICS

Citizenship
- U.S. Citizen: 81%
- Non-U.S.: 19%

Gender
- Male: 60%
- Female: 40%

Residency
- NC Resident: 53%
- Non-Resident: 47%

Employment
- U.S.: 97%
- International: 3%
57 Countries of Origin

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

<table>
<thead>
<tr>
<th>Advanced Analytics Data Scientist</th>
<th>Quantitative Finance Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Consultant</td>
<td>Research Data Scientist</td>
</tr>
<tr>
<td>Analytics and Modeling Manager</td>
<td>Risk Analyst</td>
</tr>
<tr>
<td>Analytics Consultant</td>
<td>Senior Analyst</td>
</tr>
<tr>
<td>Associate Data Scientist</td>
<td>Senior Analytics Consultant</td>
</tr>
<tr>
<td>Business Data Scientist</td>
<td>Senior Analytics Manager</td>
</tr>
<tr>
<td>Chief Data Scientist</td>
<td>Senior Associate</td>
</tr>
<tr>
<td>Consultant</td>
<td>Senior Consultant</td>
</tr>
<tr>
<td>Data Analyst</td>
<td>Senior Associate Analyst</td>
</tr>
<tr>
<td>Data Scientist</td>
<td>Senior Associate Consultant</td>
</tr>
<tr>
<td>Head of Data and Analytics</td>
<td>Senior Associate Data Scientist</td>
</tr>
<tr>
<td>Head of Risk Management</td>
<td>Senior Associate Systems Engineer</td>
</tr>
<tr>
<td>Lead Analyst</td>
<td>Senior Consultant</td>
</tr>
<tr>
<td>Lead Data Scientist</td>
<td>Senior Data Analyst</td>
</tr>
<tr>
<td>Manager, Advanced Analytics</td>
<td>Senior Data Scientist</td>
</tr>
<tr>
<td>Manager, Customer Insights</td>
<td>Senior Financial Analyst</td>
</tr>
<tr>
<td>Manager, Data and Analytics</td>
<td>Senior Insights Analyst</td>
</tr>
<tr>
<td>Manager, Data Engineering</td>
<td>Senior Manager, Advanced Analytics</td>
</tr>
<tr>
<td>Manager, Data Science</td>
<td>Senior Model Validation Analyst</td>
</tr>
<tr>
<td>Manager, Medical Advanced Analytics</td>
<td>Senior Statistical Analyst</td>
</tr>
<tr>
<td>Manager, Reporting and Analytics</td>
<td>Software Developer</td>
</tr>
<tr>
<td>Marketing Data Scientist Senior Associate</td>
<td>Staff Consultant</td>
</tr>
<tr>
<td>Marketing Optimization Senior Associate</td>
<td>Statistician</td>
</tr>
<tr>
<td>Operations Analytics Modeler</td>
<td>Technical Account Manager</td>
</tr>
<tr>
<td>Operations Research Analyst</td>
<td>Technical Architect</td>
</tr>
<tr>
<td>Principal Analyst, Data Science</td>
<td>Technical Consultant</td>
</tr>
<tr>
<td>Principal Data Scientist</td>
<td>Vice President, Data Science &amp; Analytics</td>
</tr>
</tbody>
</table>
Leading Employers

Accenture
Ally Financial
Amazon
Ankura Consulting
**Bank of America**
BB&T
Blue Cross Blue Shield of NC
Boeing
**Cigna**
Citrix
Cognizant
Community Care of North Carolina
**Deloitte**
eBay
Elder Research
Elevate
Elicit, LLC
**EY**
Facebook
**Fifth Third Bank**
Genworth Financial

GlaxoSmithKline
Google
IBM
**JP Morgan Chase**
Lash Group – AmerisourceBergen
Liberty Mutual
**M&T Bank**
Marriott International
Northrop Grumman
Putnam Investments
PwC
Red Hat
Rho
RTI International
**SAS Institute**
The Home Depot
The Walt Disney Company
TIAA
**U.S. Government**
Visionist
Zencos

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

- South: 40%
- Northeast: 23%
- Midwest: 17%
- West: 14%
- Southwest: 6%
First Employment Transition by Cohort

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

Cohort (years since graduation)

Percent of Cohort

Number of alumni

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

Cohort (years since graduation)

Mean time to first promotion (months)
Estimated Annual Earnings of Alumni Community

- $20mil
- $40mil
- $60mil

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

Distribution of Employment by Major Industry Sector

- Technology: 32%
- Financial Services: 25%
- Consulting: 20%
- Other: 13%
- Health: 5%
- Research/Edu: 4%
- Government/Military: 2%

Graph showing distribution of employment by major industry sector for the years 2008 to 2017.
Global Employment Locations

Geographic Distribution of Employment
Outside North Carolina

Number of Alumni

- New York
- California
- District of Columbia
- Ohio
- Virginia
- Georgia
- Texas
- Florida
- Massachusetts
- Illinois
- New Jersey
- Maryland
- Washington
- Kentucky
- Pennsylvania
- Utah
- Connecticut
- Iowa
- Michigan
- Minnesota
- Missouri
- Colorado
- Kansas
- Louisiana
- Nebraska
- Oregon
- South Carolina
Median Base Salary Upon Graduation

- $60,000
- $80,000
- $100,000
- $120,000

Cohort Year


Employment at Graduation

- Placed by Graduation
  - 80%
  - 85%
  - 90%
  - 95%
  - 100%

Cohort Year


Median Base Salary Upon Graduation

- < 3 years
- 3+ years

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