## 2018 ALUMNI REPORT

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of graduates (97% graduation rate)</td>
<td>762</td>
</tr>
<tr>
<td>Percent employed in the profession</td>
<td>97%</td>
</tr>
<tr>
<td>Number of employers</td>
<td>257</td>
</tr>
<tr>
<td>Percent employed in the U.S.</td>
<td>97%</td>
</tr>
<tr>
<td>Percent employed in North Carolina</td>
<td>48%</td>
</tr>
<tr>
<td>Average / median age</td>
<td>31 / 30</td>
</tr>
<tr>
<td>Percent who are U.S. citizens</td>
<td>81%</td>
</tr>
<tr>
<td>Percent who are women</td>
<td>41%</td>
</tr>
<tr>
<td>Employed at graduation</td>
<td>96%</td>
</tr>
<tr>
<td>Average Starting Salary (inflation-adjusted)</td>
<td>$96,442</td>
</tr>
<tr>
<td>Promoted since graduation (with 3 or more years on the job)</td>
<td>57%</td>
</tr>
<tr>
<td>Average time to first job promotion (months)</td>
<td>26</td>
</tr>
<tr>
<td>Transitioned employment one or more times</td>
<td>37%</td>
</tr>
<tr>
<td>Estimated annual payroll in 2018 (in millions)</td>
<td>$66.2</td>
</tr>
</tbody>
</table>

Reported as of January 24, 2019; Includes graduating classes of 2008 through 2018.
ALUMNI DEMOGRAPHICS

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

Gender
- Male: 59%
- Female: 41%

Employment
- U.S.: 97%
- International: 3%

Residency
- NC Resident: 48%
- Non-Resident: 52%
56 Countries of Origin

- Argentina
- Armenia
- Australia
- Bangladesh
- Belarus
- Belgium
- Bermuda
- Brazil
- Bulgaria
- Canada
- China
- Colombia
- Costa Rica
- 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>Position</th>
<th>Selected Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Analytics Data Scientist</td>
<td>Principal Analyst, Data Science</td>
</tr>
<tr>
<td>Analytical Consultant</td>
<td>Principal Data Scientist</td>
</tr>
<tr>
<td>Analytics and Modeling Manager</td>
<td>Quantitative Finance Analyst</td>
</tr>
<tr>
<td>Analytics Consultant</td>
<td>Research Data Scientist</td>
</tr>
<tr>
<td>Associate Data Scientist</td>
<td>Risk Analyst</td>
</tr>
<tr>
<td>Business Data Scientist</td>
<td>Senior Analyst</td>
</tr>
<tr>
<td>Chief Data Scientist</td>
<td>Senior Analytics Consultant</td>
</tr>
<tr>
<td>Consultant</td>
<td>Senior Analytics Manager</td>
</tr>
<tr>
<td>Data Analyst</td>
<td>Senior Associate</td>
</tr>
<tr>
<td>Data Scientist</td>
<td>Senior Consultant</td>
</tr>
<tr>
<td>Data Scientist Manager</td>
<td>Senior Data Analyst</td>
</tr>
<tr>
<td>Director, Data and Analytics</td>
<td>Senior Data Scientist</td>
</tr>
<tr>
<td>Director, Data Science</td>
<td>Senior Data Science Consultant</td>
</tr>
<tr>
<td>Head of Data and Analytics</td>
<td>Senior Geographic Data Scientist</td>
</tr>
<tr>
<td>Head of Risk Management</td>
<td>Senior Insights Analyst</td>
</tr>
<tr>
<td>Lead Analyst</td>
<td>Senior Manager, Advanced Analytics</td>
</tr>
<tr>
<td>Lead Data Scientist</td>
<td>Senior Manager, Data Science</td>
</tr>
<tr>
<td>Manager, Advanced Analytics</td>
<td>Senior Model Validation Analyst</td>
</tr>
<tr>
<td>Manager, Customer Insights</td>
<td>Senior Specialist, Global Advanced Analytics</td>
</tr>
<tr>
<td>Manager, Data and Analytics</td>
<td>Senior Statistical Analyst</td>
</tr>
<tr>
<td>Manager, Data Engineering</td>
<td>Software Developer</td>
</tr>
<tr>
<td>Manager, Data Science</td>
<td>Staff Consultant</td>
</tr>
<tr>
<td>Manager, Medical Advanced Analytics</td>
<td>Statistician</td>
</tr>
<tr>
<td>Manager, Reporting and Analytics</td>
<td>Technical Architect</td>
</tr>
<tr>
<td>Marketing Data Scientist</td>
<td>Technical Research Manager</td>
</tr>
<tr>
<td>Marketing Optimization Senior Associate</td>
<td>Technical Consultant</td>
</tr>
<tr>
<td>Operations Analytics Modeler</td>
<td>Vice President, Data Science &amp; Analytics</td>
</tr>
</tbody>
</table>
Leading Employers

Accenture Federal Services
Ally Financial
**Amazon**
Ankura Consulting
Asurion
Bain & Company
Bank of America
BB&T
Blue Cross Blue Shield of NC
**Cigna**
Citrix
Community Care of North Carolina
**Deloitte**
Elder Research
Elevate
**EY**
Facebook
Fidelity Investments
Fifth Third Bank
GlaxoSmithKline
Google
IBM
**JPMorgan Chase**
Liberty Mutual
Lowe’s Companies
Northrop Grumman
Putnam Investments
Red Hat
RTI International
SAP
**SAS**
Slalom Consulting
The Home Depot
The Walt Disney Company
TIAA
**US Federal Government**
Wells Fargo
Zencos

Note: The Top-10 employers are listed in Bold. There are 257 employers in total.

Alumni Concentration Among the Top-50 Employers

![Graph showing 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: 42%
- Northeast: 20%
- Midwest: 18%
- West: 20%
First Employment Transition by Cohort

Percent of Cohort with the First Employment Transition Occurring Within 2 Years of Graduation

Final estimate
Preliminary estimate
Estimated Annual Earnings of Alumni Community

Note: Estimate is based on individual starting salaries adjusted for inflation.
Geographic Distribution of Employment Outside North Carolina

Number of Alumni

- Virginia-DC
- New York
- California
- Ohio
- Georgia
- Texas
- Florida
- Massachusetts
- Illinois
- Washington
- Maryland
- South Carolina
- Missouri
- Utah
- Colorado
- Pennsylvania
- Tennessee
- Connecticut
- Kentucky
- Michigan
- Indiana
- Iowa
- Minnesota
- Oregon
- Rhode Island
- Arizona
- Kansas
- Louisiana
- Nebraska
- Nevada
- New Jersey
- Wisconsin
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 762 alumni, 755 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/MSA2018.pdf