# MASTER OF SCIENCE IN ANALYTICS
## 2017 ALUMNI REPORT

<table>
<thead>
<tr>
<th>ALUMNI SUMMARY</th>
<th></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%

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

- **Gender**
  - Male: 60%
  - Female: 40%

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

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

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

Other

Manager

Analyst

Consultant
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.
Geographic Distribution of Employment within U.S.

Distribution of Employment Outside North Carolina by Geographic Regions

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

Percent of 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)
Estimated Annual Earnings of Alumni Community

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

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

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

Number of Alumni

Global Employment Locations
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