## 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%

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

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 Associate Consultant  
Senior Associate Data Scientist  
Senior Associate Systems Engineer  
Senior Consultant  
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

Positions Held by Major Categories

- **Manager**: 18%
- **Analyst**: 20%
- **Consultant**: 20%
- **Data Scientist**: 24%
- **Other**: 18%
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

Mean Time to First Job Promotion by Cohort
(3 Years Post-Graduation)
Estimated Annual Earnings of Alumni Community

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

New York – 10
California – 20
District of Columbia – 30
Ohio – 30
Virginia – 30
Georgia – 20
Texas – 10
Florida – 0
Massachusetts – 0
Illinois – 0
New Jersey – 0
Maryland – 0
Kentucky – 0
Pennsylvania – 0
Utah – 0
Connecticut – 0
Iowa – 0
Michigan – 0
Minnesota – 0
Missouri – 0
Colorado – 0
Kansas – 0
Louisiana – 0
Nebraska – 0
Oregon – 0
South Carolina – 0

Global Employment Locations
Median Base Salary Upon Graduation

<table>
<thead>
<tr>
<th>Cohort Year</th>
<th>&lt; 3 years</th>
<th>3+ years</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>$60,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>2009</td>
<td>$70,000</td>
<td>$110,000</td>
</tr>
<tr>
<td>2010</td>
<td>$80,000</td>
<td>$120,000</td>
</tr>
<tr>
<td>2011</td>
<td>$90,000</td>
<td>$130,000</td>
</tr>
<tr>
<td>2012</td>
<td>$100,000</td>
<td>$140,000</td>
</tr>
<tr>
<td>2013</td>
<td>$110,000</td>
<td>$150,000</td>
</tr>
<tr>
<td>2014</td>
<td>$120,000</td>
<td>$160,000</td>
</tr>
<tr>
<td>2015</td>
<td>$130,000</td>
<td>$170,000</td>
</tr>
<tr>
<td>2016</td>
<td>$140,000</td>
<td>$180,000</td>
</tr>
<tr>
<td>2017</td>
<td>$150,000</td>
<td>$190,000</td>
</tr>
</tbody>
</table>

Employment at Graduation

<table>
<thead>
<tr>
<th>Cohort Year</th>
<th>40 students</th>
<th>80 students</th>
<th>120 students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>80%</td>
<td>85%</td>
<td>90%</td>
</tr>
<tr>
<td>2009</td>
<td>85%</td>
<td>90%</td>
<td>95%</td>
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</tr>
<tr>
<td>2016</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Graduates by Cohort Year

Number of Graduates

<table>
<thead>
<tr>
<th>Cohort Year</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40</td>
<td>80</td>
<td>120</td>
<td>160</td>
<td>200</td>
<td>240</td>
<td>280</td>
<td>320</td>
<td>360</td>
<td>400</td>
</tr>
</tbody>
</table>

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