ANALYTICS FOR FACULTY SUCCESS

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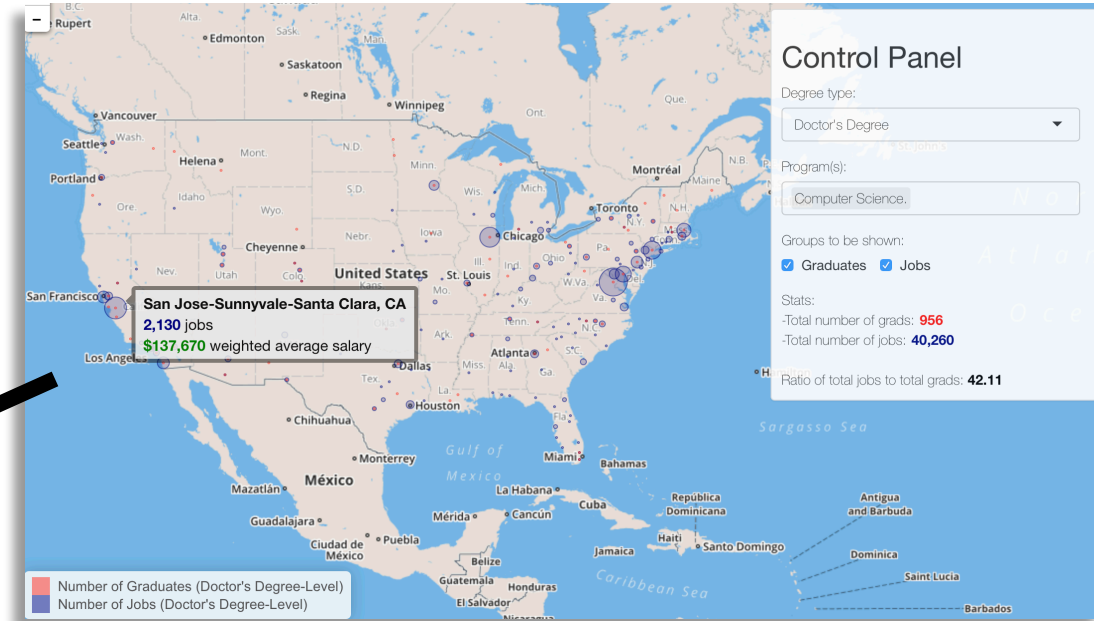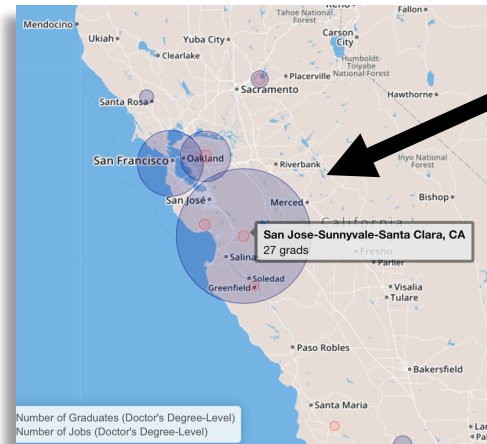
Objectives:

1. Display hiring patterns across different groups of universities
2. Analyze professors' educational background
3. Investigate program specific job markets for graduates

Project Sponsor:

Academic Analytics (AA), a provider of data and solutions for U.S. & U.K. research universities

1

VISUAL 1: Graduates & Jobs

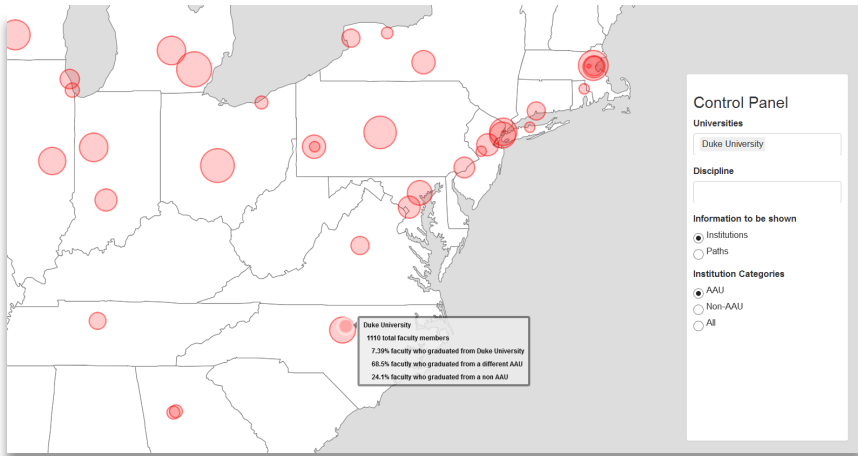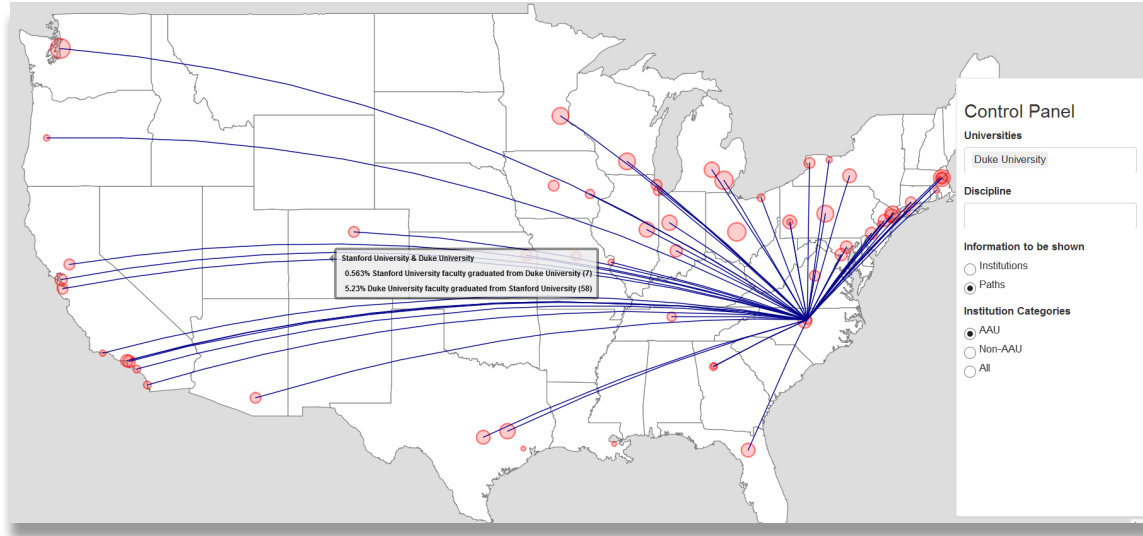

CLICK HERE
to check it out!

-<u>Programming Language</u>: R (Shiny & Leaflet)
-<u>Data</u>: Integrated Postsecondary Education Data System (IPEDS), Bureau of Labor Statistics
-<u>Objective</u>: display associates, Bachelors, Masters, and/or PhD graduates of a certain program(s), hosted on Amazon Web Services for public access, shows average income by metropolitan area

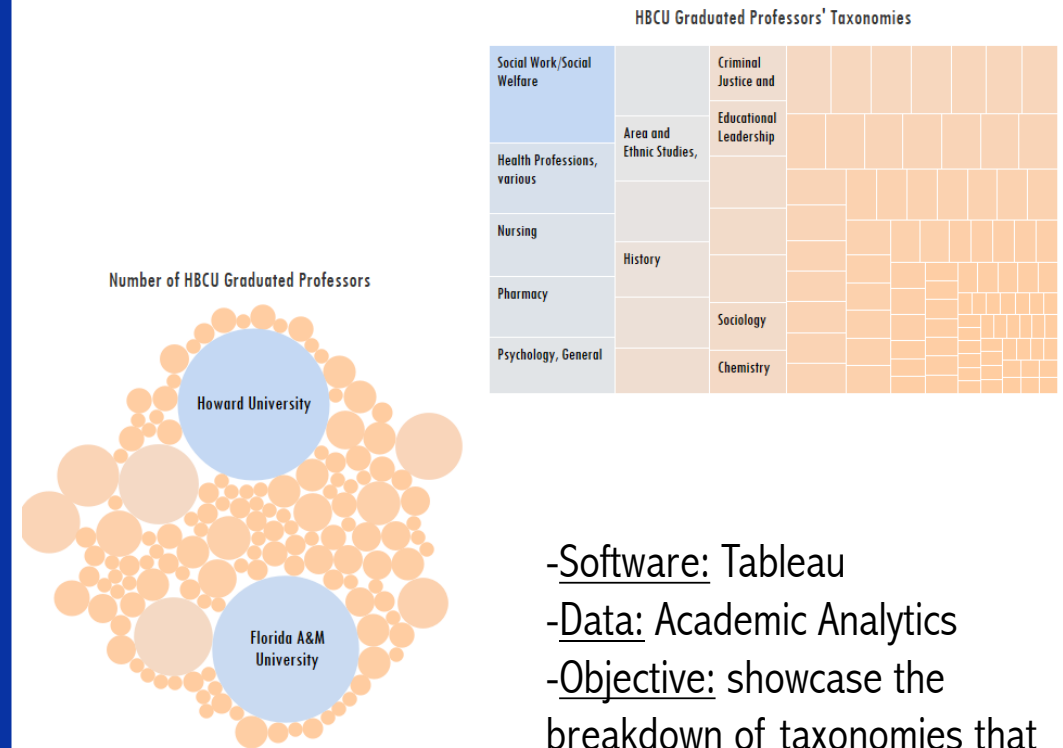**Data+** | **Duke** UNIVERSITY | BASS CONNECTIONS

2 — VISUAL 2: Flight Map

-Programming Language: R (Shiny & Leaflet)
-Data: Academic Analytics
-Objective: analyze where different categories (AAU, Private/Public, HBCU) of university graduates go to teach as professors

3 — VISUAL 2: HBCU Graduated Professors

-Software: Tableau
-Data: Academic Analytics
-Objective: showcase the breakdown of taxonomies that HBCU graduated professors work in
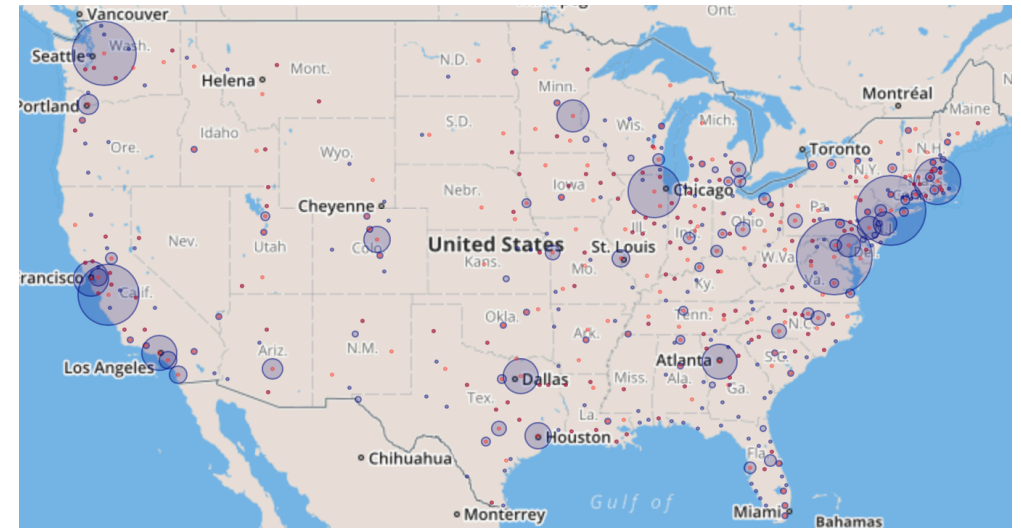
Findings:

1. AAU and non-AAU Universities with the highest percentages of graduates returning as professors:

Non-AAU Institution	Percent Returning as Faculty (%)
Maharishi University of Management	64
New Orleans Baptist Theological Seminary	58
Mid-America Baptist Theological Seminary	53
Andrews University	47
Dallas Theological Seminary	42

AAU-Institution	Percent Returning as Faculty (%)
Massachusetts Institute of Technology	30
Harvard University	26
Johns Hopkins University	18
Stanford University	17
University of Washington	16

2. In our data, of all of the Ivy Plus institutions, there is only one professor that graduated from a HBCU.

3. All degree level Computer Science potential jobs are more densely clustered on the east coast than the west coast.

Special thank you to project manager Josh Bruce, faculty lead Peter Lange, Duke Data+ Team, and Academic Analytics.