Traditional Data Science

- Calculus
- Linear Algebra
- Probability
- Game Theory
- Regression Analysis
- Computational Modeling
- Experimental Methods
- Technical Writing (data story telling)
- Longitudinal Analysis
- Maximum Likelihood Estimation
- Experimental Methods
- Data Visualization
- Geographic Information Systems
- Research Design
- Scientific Methods

Substantive Tracks

- Anthropology
- Biology
- Biological Anthropology
- East Asian Studies
- Economics
- English
- History
- Informatics

- International Studies
- Linguistics
- Lat. Amer. & Caribbean Studies
- Neuroscience & Behavioral Biology
- Psychology
- Political Science
- Sociology
- Women’s Studies

R
Python (2017 plan)
SQL (2017 plan)

Hacking Skills
Machine Learning
Data Science
Traditional Research

Danger Zone!

Math & Statistics Knowledge

Substantive Expertise

The Data Science Venn Diagram, Drew Conway
Emory’s Take: The Quantitative Sciences Major (QSS)