The Economics Department at Carolina introduces

The DATA (Data-Acumen-Theory-Application) Science Credential in Economics

in-demand data skills, guided by theory, applied to economics

(combining the “what” with the “why” & “how”)

Practical and Marketable Skills

Introduction to programming languages (e.g., R/Python) commonly used in applications of data science, and practical data skills: collecting, scraping, cleaning, merging, processing, and visualizing data, descriptive analysis, optimization, and supervised/unsupervised statistical learning.

Synergy, Application, and Experience

Gain experience in combining these data skills with foundational knowledge of economics to frame and solve economic questions using real data from finance, industry, government, health, environment, among others.

Credential Requirements:

- Courses*:
  - ECON 390: Economic Applications of Data Science
  - ECON 470: Econometrics
  - ECON 573: Big Data and Machine Learning
  - or ECON 575: Applied Time Series Analyses and Forecasting

- Seminars: Attendance at seminars of invited speakers from industry (~3 per semester) to learn about practice of data science and to provide opportunities for career networking.

If you are interested in this credential, please fill out this [FORM](#).

*Note:

One section of ECON 390 is being offered this fall: TR 11:00 am – 12:15 pm
Two sections of ECON 470 are being offered this fall: TR 9:30 am – 10:45 am & 12:30 pm – 1:45 pm
One section of ECON 573 is being offered this fall: TR 8:00 am – 9:15 am. It is listed as ECON 590-003

Sections of ECON 470, 573, and 575 will be offered this spring.

The credential requirements can be completed in two or three semesters.