

Data Science Collaboratory

Volunteer support for faculty research involving data science and data management.

WHO WE ARE

We aim to provide statistical guidance, a network of collaborators, and resources to faculty with a computational approach to their research. Further, we hope to introduce students, from a range of disciplines, to data science concepts by selecting, applying, and interpreting the results of appropriate techniques in a community of practice.

Joshua Finnell, Associate Professor in the University Libraries + Head of Research & Instruction, Colgate University,
jfinnell@colgate.edu

Will Cipolli, Assistant Professor of Mathematics, Colgate University
wcipolli@colgate.edu

<https://shiny.colgate.edu/>

GOALS

- Introduce emerging student scholars to data analysis across multiple disciplines
- Cultivate a community of data science researchers and scholars across the Central New York region for mentorship and collaborative projects
- Develop statistical tools that lower the barrier to and increase the quality of quantitative research

NETWORK

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Colgate faculty members from geography, biology, mathematics, and the libraries

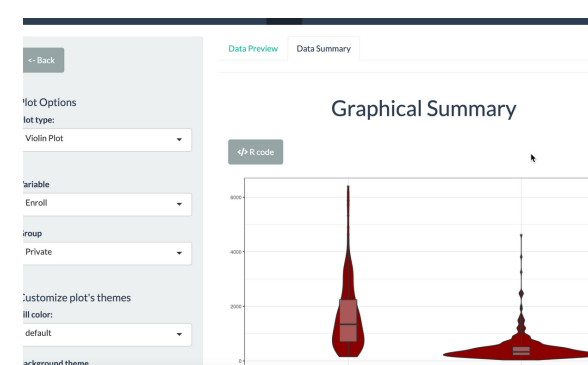
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Faculty members from Hamilton College, St. Lawrence University, SUNY-Brockport, and LeMoyne College

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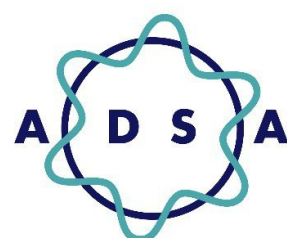
Colgate students from across an interdisciplinary curriculum

RT SHINY APPLICATIONS



Members create R Shiny applications that provide standard and advanced statistical procedures for humanists, natural scientists, and social scientists who are increasingly using statistical models to analyze geospatial data, social networks, and textual corpora. These applications make powerful analyses in R available in a point-and-click application using R Shiny, removing the steep learning curve of a new programming language and make Colgate the place where data science is accessible to everyone.

AFFILIATIONS



Academic Data Science Alliance



Institute for the Quantitative Study of Inclusion, Diversity, and Equity

GRANTS

2020 Central New York Humanities Corridor
Data in the Humanities Grant



2018 Central New York Library Resources
Council New Initiatives Grant



@DataSciCollab



<https://shiny.colgate.edu/>

