Mission

CURVE (Collaborative University Research and Visualization Environment) is a technology-rich discovery space supporting the research and digital scholarship of Georgia State University students, faculty, and staff. A service of the University Library, CURVE’s mission is to enhance research and visualizations by providing technology and spaces that promote interdisciplinary engagement, collaborative investigation, and innovative inquiry.
So, after 6 years, what is working?
Research Data Services

The Research Data Services Team can help with data analysis, visualization, and management.

We offer one-on-one help, workshops, and Georgia State class and team sessions on a topic of your choice.

- **One-on-one help:** To schedule time with a Research Data Services specialist, email us at libdatahelp@gsu.edu. Tell us what you’re working on and what you’d like to talk about. We’ll get back to you as soon as possible.
- **Workshops:** Browse our Research Data Services workshops.

For more about our services and the Team, visit the Research Data Services research guide.
Tools for Data Analysis
Excel, SPSS, Stata, R, Python
NVivo

Methods for Data Analysis

Qualitative
Basic Statistical Analysis
- Descriptive Statistics
- Inferential Bivariate Statistics (e.g., ANOVA, t tests, correlation, chi-square)
- Linear Regression

Advanced Quantitative Methods
- Generalized Linear Models

Unsupervised Learning (e.g. Clustering)
Time-Series Analysis & Multilevel Models
Machine Learning
Logistic Regression
Hierarchical Linear Models

Text Mining & Data
- Regular Expressions
- Natural Language Processing (NLP)

Mapping & Data Visualization
- Social Explorer
- SimplyAnalytics & PolicyMap
- Tableau
- GIS/ArcGIS

Finding Data & Statistics

Social science data (ICPSR, US census data)
Business data, consumer and marketing data, and international trade data
Bloomberg Terminal for real-time financial market data

Data Collection & Survey Design
Qualtrics
Finding existing surveys and measurement scales/tests for data collection

Web Data/Web Scraping
Social Media APIs (e.g., Twitter)

Data Management Planning
DMPs for grant proposals
Data cleaning
Database setup
Strengths

Showcase Space
Interdisciplinary Connections/Meet-Ups
Specialized Software Training
Research Data Services
Less So

Making

3D Modeling & Printing
VR/AR/Gaming

Digitization/digital projects*

*moved to the back of the house
Creative Media Industries Institute, Georgia State University
Design Thinking for Inevitable Change
Stacking Partition System
PC Workstation 1 Capacity: 2

Description
Dell Precision T5610 workstation
- Processor Cores: 12
- Hard Drive: 460 GB solid state
- Graphics Card: 1GB NVIDIA Quadro K600
- RAM: 128GB (8x16GB)

Directions
Located behind the interactWall along the curved wall.
Questions?

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