

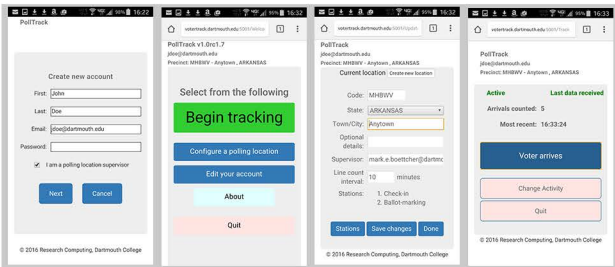
Example Projects

Roman Coins Project



Together with Classics professor Roberta Stewart, Research Computing staff are building on work by Diana Salsbury '15 to develop a tool which allows users to store images and information about Roman coins, organize them into collections based around a scholarly theme, annotate the coins with respect to that theme, and lay out the data both spatially on a map of ancient Rome, and temporally on a collection-based timeline.

PollTrack Application



Building on the work of Herron, Stewart, et al studying the tradeoff between election resources and voter waiting, PollTrack is a new mobile web application to collect election day information. This application greatly simplifies the process for collecting data, but also adds geocoding and flexible ballot casting models that are used globally which in turn permits finer levels of analysis. Analysis of PollTrack data could help election officials determine an optimal allocation of resources and minimize in-line wait time for voters.

Across Campus Support

Physics
Thursdays, 10am-4pm
Wilder 341
Susan A. Schwarz

Humanities
Tuesdays, 10am-12pm
AHRM Bartlett 201
John M. Wallace

Chemistry
Tuesdays, 2pm-4pm
Burke 3rd floor
John M. Wallace

Statistics
Mondays, 2pm-4pm
Silsby 010
Jianjun Hua

Geographic Information Systems

Tuesdays, 1:30pm-3:30pm
Baker Library Map Room

Stephen P. Gaughan

Life Sciences / Bioinformatics

Thursdays, 9am-12pm
DHMC 3rd floor atrium
(between Williamson and Aud. E)

&

Tuesdays, 9am-12pm
LSC 1st floor atrium

Christian Darabos Ph.D.

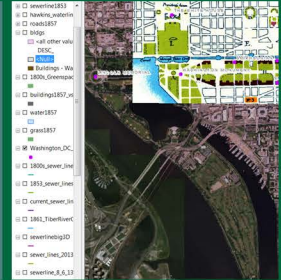
for up-to-date office hours and
upcoming events visit
rc.dartmouth.edu

Research Computing

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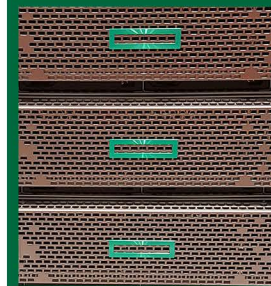
- Software -

Get access to, and support for, research software applications as well as custom software development.



- Hardware -

Run compute intensive, large memory programs quickly and efficiently. Store your data securely.



- Consulting -

Get advice and assistance from our application specialists in HPC, GIS, Statistics, Humanities, Sciences and more. Strengthen your grant applications.



- Training -

Learn how to use research software and systems through our live training sessions and online classes.

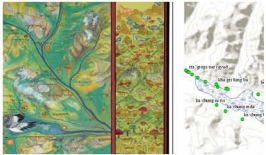


RC Research Computing
Information Technology Services
AT DARTMOUTH

Research Computing is involved in research projects across a wide spectrum of Dartmouth fields and departments from Humanities to Statistics

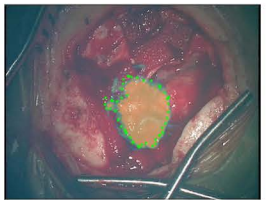
Example Projects

Longbao Cultural Map Referencing and Vectorization



Working with a hand-drawn cultural map from the Longbao region of the Tibetan Plateau, the map was georeferenced to real-world locations and features from the map were converted to vector format for use in geographic information system software.

Brain Tumor Resection CrowdSourcing Project



The purpose of the project is to identify the best way to color fluorescent images of a brain tumor during fluorescence-guided neurosurgery so a surgeon can identify and remove the tumor completely. We will use non-expert participants on Amazon Mechanical Turk (AMT) to outline the fluorescent image of tumors using different color look-up tables and then use the AMT results to determine the most effective colormaps.

More Projects

online at rc.dartmouth.edu

Most of our services and resources are available at no-cost to members of the Dartmouth research community including faculty, post-docs, graduate, and undergraduate students

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& Gain Access to

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