

Bigger on the Inside:

Integrating Research
Data Services
in Campus-
Wide Networks



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Research Data Services at UVA

data.library.virginia.edu

Data Analysis, Visualization & Computation

StatLab: Support for data science and applied statistics — data wrangling, analysis, visualization, statistical inference and computational methods — via workshops and individual consultations and collaborations.



Guidance on data tools and technologies like R, Python, Stata, SPSS, SAS, and more.
Contact: statlab@virginia.edu

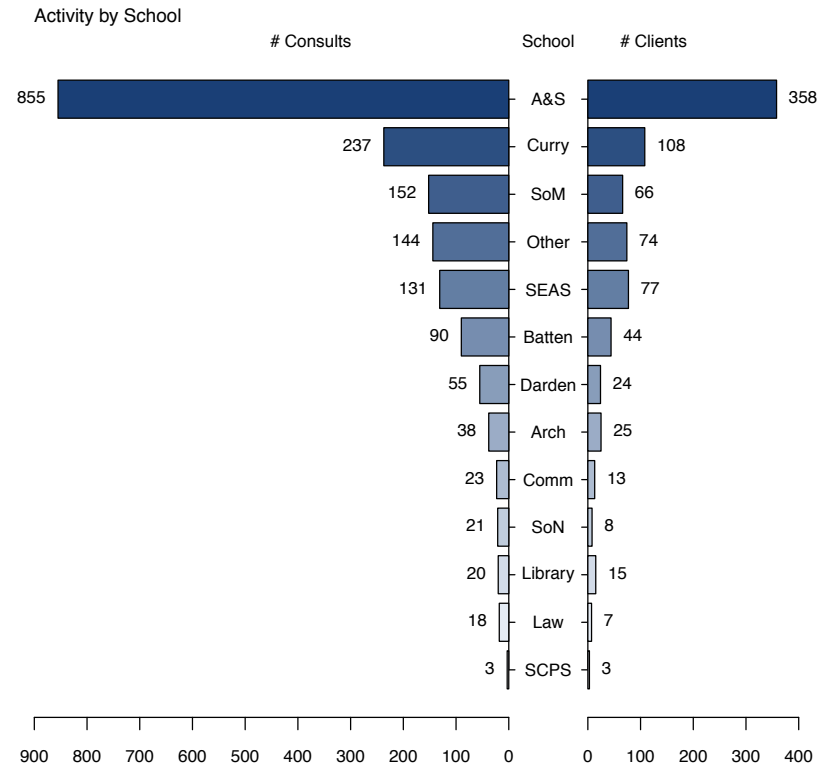
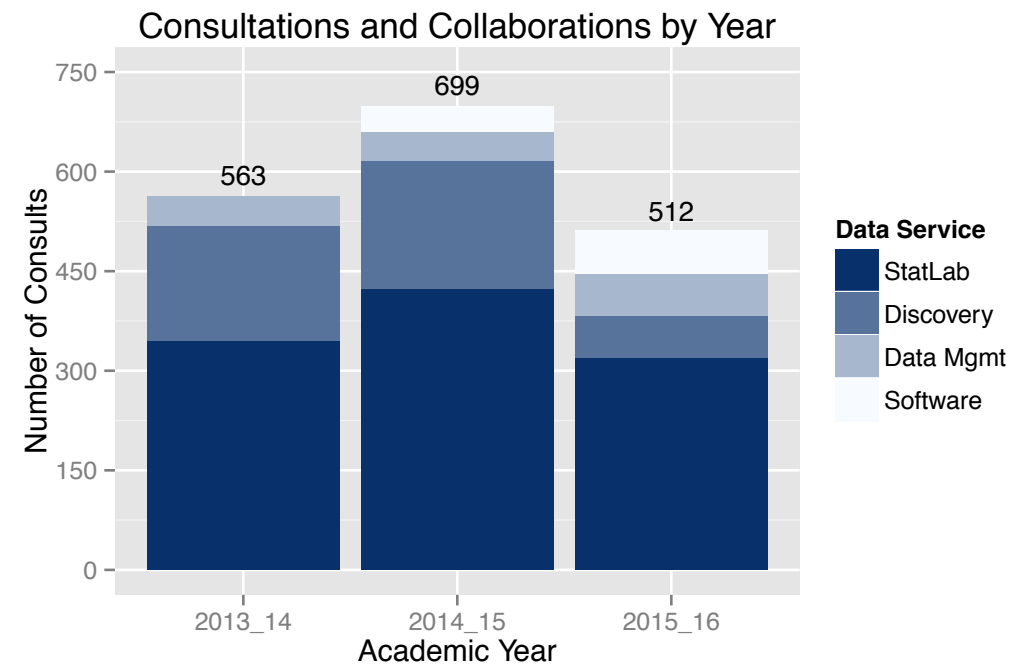
Data Resources & Services

Data Discovery & Acquisition: Search and discovery for existing data sources and licensing and acquisition of data for academic research and teaching.
Contact: data@virginia.edu

Research Data Management: Support for data management and data sharing plans, guidance on selecting a data repository, and consulting on the preparation, documentation, organization and formatting of data for sharing and archiving.
Contact: dmconsult@virginia.edu

Research Software: Accessing and installing University site-licensed software, including SPSS, SAS, Ansys, Labview, Matlab and others. Contact: res-consult@virginia.edu

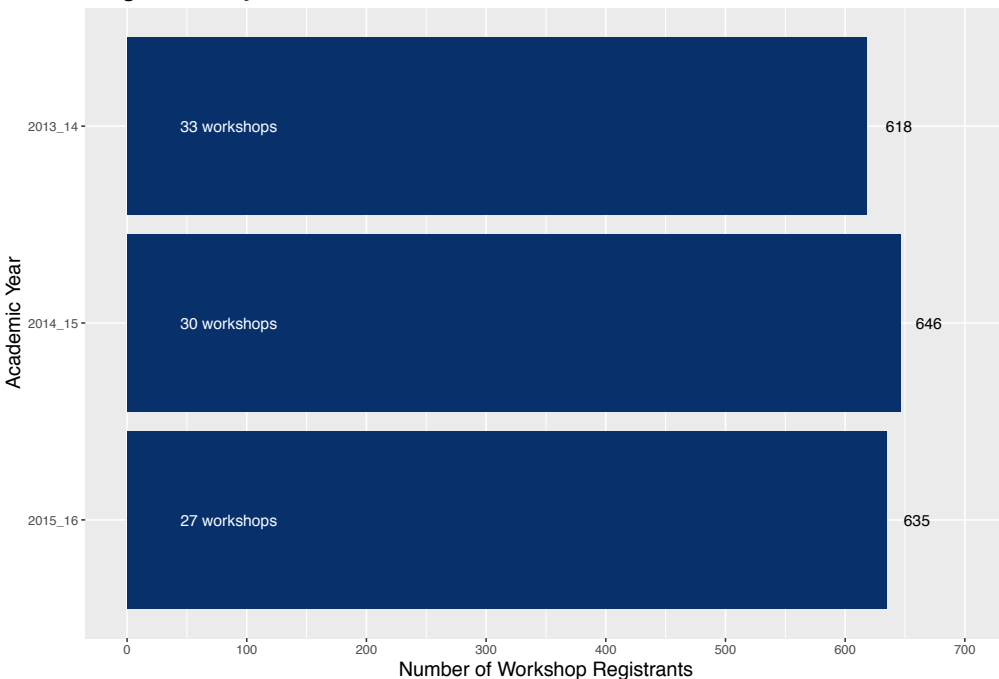
First Three Years: Consultations & Collaborations



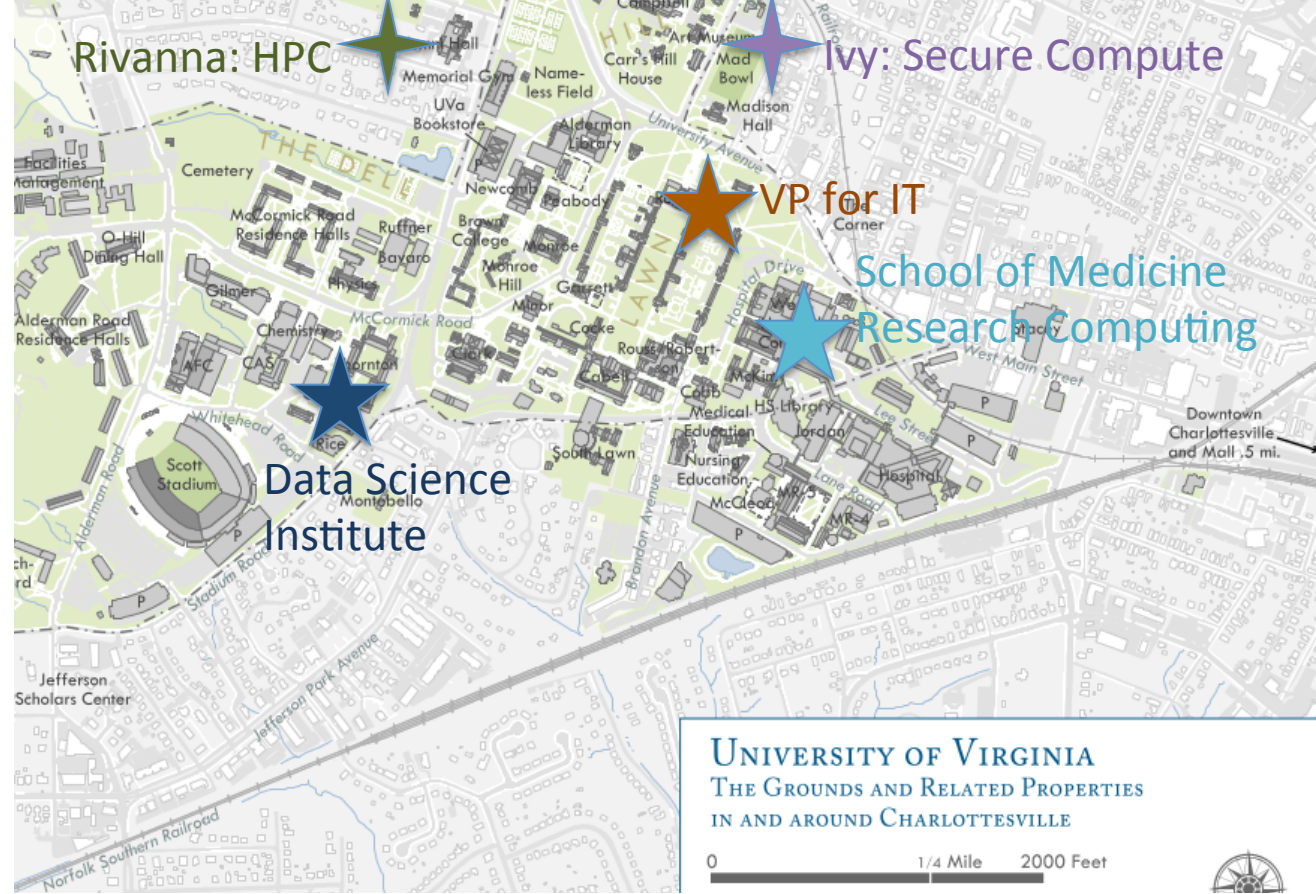
*'There's a lot of things you need to get across this universe. Warp drive, wormhole refactors. You know the thing you need most of all? You need a hand to hold.'*¹³

-- The Doctor

First Three Years: Workshops & Training



Meanwhile,
elsewhere on
grounds...



CADRE

(Not just a revolutionary vanguard,
or DC Comics supervillain group)!

cadre.virginia.edu

Partner Organizations

- VPIT
- ARCS
- RDS
- DSI
- ITS-RCI
- BioConnector/HSL
- SOM-RC



CADRE is a University-wide exchange designed to simplify the process of finding local research technology solutions. The CADRE website provides a comprehensive list of the software, services, training opportunities, storage solutions, and computational hardware available to UVA scholars. CADRE is multi-disciplinary and supports all eleven schools of the University.



Data Analysis & Software

Consulting and tools for data analysis, data wrangling, and statistics



Computation

High-performance computing, big data solutions, Rivanna, project consulting, programming language communities



Visualization Services

Hardware and software tools for visualizing data, medical imagery



Storage

Short-term and long-term storage options for any size dataset



Education, Training & Outreach

Courses, workshops, public events and presentations



Biomedical Computing

Bioinformatics, genomics, biomedical data, and computational biology research support



Arts & Humanities

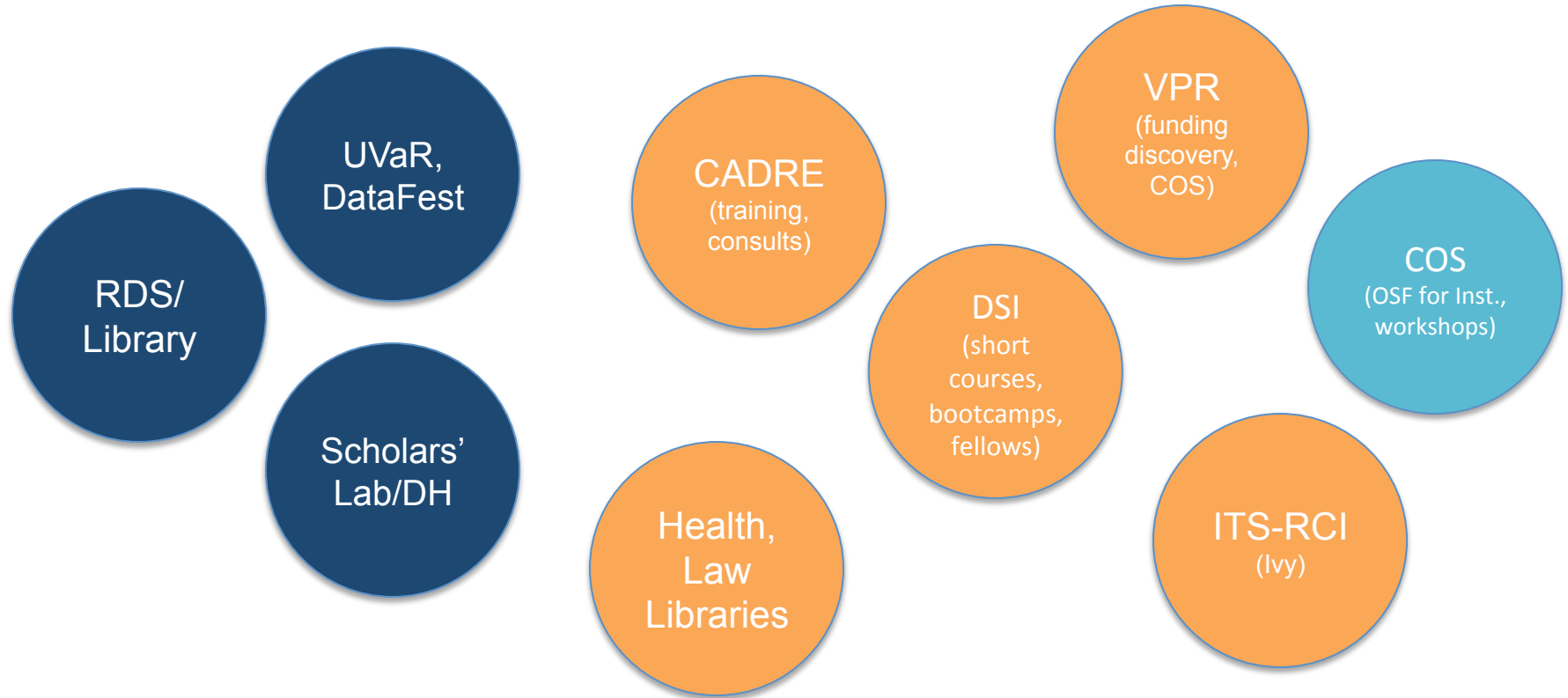
Resources and services for digital humanities and digital arts scholars



Data Sources

Resources to locate and share local, licensed, and other existing datasets

Partnerships & Programs: The Upside of Bigger on the Inside



Challenges: The Downside of Bigger on the Inside

- Maintaining relationships (e.g., external partnerships and internal teams)
- Differing cultures across units (e.g., sharing information and credit)
- Diffusing responsibility (and credit)
- Shifting work versus expanding work
- Obscuring resource needs

How can library leadership help?

The Team



Our Librarians and Data Scientists (or Data Librarians and Library Scientists)

- 5 MLIS
- 3 Masters (Statistics, Sociology, Instructional Technology)
- 4 Doctorates (Political Science, Astronomy, Physics, Physiology)

What's Next?

For UVA Library's RDS?

- Integrating Data Services and Social, Natural, & Engineering Science teams
- Imagining possibilities for space
- Branching into the qualitative arena
- Internally developed projects: Data for Democracy Lab

For us today?

- Enlightening discussion!

References

Title Figure: The TARDIS, *BBC America*, 7 December 2016 <<http://www.bbcamerica.com/anglophenia/2012/12/doctor-who-the-magic-of-the-tardis>>

1. Doctor Who, Season 5, 'The Big Bang'
2. Doctor Who, Season 3, 'Blink'
3. Doctor Who, Season 2, 'Fear Her'
4. Doctor Who, Original Season 14, 'The Robots of Death'
5. Doctor Who, Season 5, 'The Pandorica Opens'
6. Doctor Who, Season 5, 'The Pandorica Opens'
7. Doctor Who, Season 7, 'The Power of Three'
8. Doctor Who, Season 7, 'The Doctor, The Widow, and The Wardrobe'
9. Doctor Who, Season 5, 'The Big Bang'
10. Doctor Who, Season 2, 'Tooth and Claw'