



Goals Requirements

- Using Data Science to foster disciplinary pursuits
- Making the research team more competitive for external funding
- Applications must include at least one data scientist and one disciplinary specific researcher
- Typically, the disciplinary researcher initiates and leads the project
- Awards include \$20K & 1M SUs
- Monies to be used for salary & travel only
- No equipment purchases allowed.



Application Process

Step 1

- One page letter of intent
- Includes discussion of disciplinary research and how Data Science fits in.
- If IDSC partner not identified, then review panel will identify.

Step 2 (one month later)

- Upon invitation, the research team (including IDSC partner) will prepare two-page proposal.
- Discuss disciplinary research, Data Science, potential future funding mechanism & budget plan.





Review Process

The applications will be reviewed by an evaluation **committee** to determine feasibility, relevance to IDSC programs, and in terms of how the proposed research will put the team in a more competitive position for external funding.





Reporting

- Interim 1-page report
- Upon completion of the project, the research team will be required to give an oral presentation describing the research and results as part of the IDSC seminar series. Scheduling of the oral presentation will be coordinated by IDSC.



Important Dates

- Step 1 Letters of Intent due September 27, 2024
- Invitation to proceed to Step 2 by October 14, 2024
- Step 2 Two-page proposal due November 22,2024
- Notice of Award: On or before **December 18, 2024**
- Project performance period: January 1 December 31, 2025
- Interim Report Due on June 30, 2025
- Service Units (SU) expire January 31, 2026
- Final Report Due on February 28, 2026
- Oral Presentation of Results Due in Spring or Fall 2026



Capabilities and Services through IDSC Platform Technologies

- Advanced Computing
 - ► HPC Resources
 - ▶ User Training
 - ► Grant Collaborations
 - ▶ Data Management
 - ► Grant Collaborations
 - ▶ Data Management

- Visualization and Infographics
- Systems + Data Engineering
 [for collaborative projects]
 - Software Engineering
 - Data Engineering
 - Geospatial Digital Special Collections (GDSC)

- Creative Technologies
 - ► Equipment and Technical Support
 - ▶ Learning with XR



Expert Capabilitiesthrough IDSC Research Platforms



Earth Systems Science

How can we understand and protect the health of our planet?



Digital Health + Life Sciences Informatics

How can we prevent disease and advance human health?



Smart Cities + Smart Environments

How can we build stronger communities?

ANALYZE: Artificial Intelligence + Machine Learning/Intelligent Systems

INVENT: Advanced Computing Systems + Software Engineering

VISUALIZE: Human Centered Design + Computing

ADVOCATE: Data Ethics + Society



Fall 2023 Awardees



Francisco Beron-Vera Atmospheric Sciences



Charles Downs Nursing + Health Studies



Richard Epstein Anesthesiology



Youngmee Kim Psychology



Vivek Nagendra Prakash Environmental Justice Clinic