



UNIVERSITY OF MIAMI

FROST INSTITUTE  
for DATA SCIENCE  
& COMPUTING

IDSC GRANTS PROGRAMS

# Expanding the Use of Collaborative Data Science at UM



# 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

# Application Process

## Step 1:

- One page letter of intent
- Includes discussion of disciplinary research and how DS 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

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.



**Natalia Andrade Rodriguez**  
Marine Biology & Ecology



**Esber Andiroglu**  
Engineering &  
Architecture



**Samantha Ballard**  
Ocean Sciences

# Fall 2022 Awardees



**Vanessa Aguiar-Pulido**  
Computer Science



**Abigail L. Fleming**  
Environmental Justice Clinic



**Yasamin Rezaei**  
Modern Languages &  
Literature



**Eric C. Brown**  
Public Health Sciences