



Learn to Harness the Power of Environmental Data

EVR 628 / EVR 528: Introduction to Data Management and Visualization for Environmental Scientists

Open to Undergraduates! (Some seats reserved – with instructor permission)



Why take this course?

In today's data-rich world, environmental scientists need more than field skills—they need to *make sense of the data they collect*. This course teaches you how to use **R** and **RStudio** to manage, analyze, and visualize real-world environmental data—no prior coding experience required!



You'll Learn How To:

- Use **R & RStudio** to work with environmental datasets
- Create beautiful, responsible **data visualizations**
- Manage and transform data from NOAA, US Census, Global Fishing Watch, and more
- Build interactive **maps and apps**
- Practice **reproducible research** using Git + GitHub
- Develop a **data science portfolio** to showcase your skills!



Tuesdays & Thursdays, 9:00–10:15 AM

SLAB 120

Instructor: Juan Carlos Villaseñor-Derbez (jc_villasenor@miami.edu)

Course Format: Hands-on, project-based

Grading: Participation (50%), Assignments (40%), Final Presentation (10%)

No prerequisites. Just curiosity.



Ideal for students interested in:

- Marine Affairs
- Marine Conservation
- Climate and Society
- Coastal Zone Management
- Exploration Sciences
- Environmental Science & Policy

