



Data Services in Different Campus Communities

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Campuses and Their Characters

Coral Gables

- Arts & Sciences
- Undergraduates
- Interdisciplinary

Medical Campus

- Medical sciences
- Doctors, residents, graduate students
- Staff researchers

Marine Science Campus

- Marine & atmospheric sciences
- Research faculty, staff researchers, graduate students

Campuses and Data Skills

Coral Gables

- *Data:* focus groups, interviews, surveys, archival, nursing studies, graduate projects
- *Software:* SPSS, Stata, R, SAS, NVivo/Atlas.ti, Tableau
- *Observations:* generalist approach to software/methods instruction, workshop series

Medical Campus

- *Data:* medical trials, meta-analyses, surveys, graduate student projects
- *Software:* SPSS, Excel
- *Observations:* focus on cleaning data, people more busy, lab environments & staff researchers

Marine Science Campus

- *Data:* readings from buoys, vessels, tracked animals, NOAA, atmospheric, time-series
- *Software:* R
- *Observations:* more big data, need for biological models—R packages, mostly research labs, supercomputing

Discussion

- Needs of patrons differ according to their goals (undergrads, graduate students, staff, faculty)
- Research is complex, collaborative, and multi-stepped
 - No one-size-fits-all software program, different learning curves, different advisor expectations
- Often, I act as a translator
 - between technical writing (stats output, programming languages, math equations) and applied analysis
 - between graduate students and their faculty members
- “Problem solving” is not a one-time process
- “If you think there is surely a faster way, there probably is!”
- Applied research support is a good excuse to embed best practices in research data management throughout research cycle