Data Services in Different Campus Communities

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## Campuses and Their Characters

<table>
<thead>
<tr>
<th>Coral Gables</th>
<th>Medical Campus</th>
<th>Marine Science Campus</th>
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<tbody>
<tr>
<td>• Arts &amp; Sciences</td>
<td>• Medical sciences</td>
<td>• Marine &amp; atmospheric sciences</td>
</tr>
<tr>
<td>• Undergraduates</td>
<td>• Doctors, residents,</td>
<td>• Research faculty, staff</td>
</tr>
<tr>
<td>• Interdisciplinary</td>
<td>graduate students</td>
<td>researchers, graduate students</td>
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<td></td>
<td>• Staff researchers</td>
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# 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