## Agenda

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| **Reproducible Research with R, git and GitHub** | August 6, 2017 |
|  | 0800 - 1130 |

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| Presenter | Rob Schick, Duke University & SR Analytics LLC | | |
| 0800 - 0815 | | **Introduction** |
| 0815 – 0900 | | **Lesson 1- Components of a Good Workflow** Local File Structure  Best Practices  Collaboration  Version Control |
| 0900 - 0945 | | **Lesson 2 – Introduction to Git** What is git?  Basic Components (starting with git init)  Basic Workflow  .gitignore  Command line git vs. RStudio |
| 0945 – 1000 | | **Break** |
| 1000 - 1030 | | **Lesson 3 – Diffs, History and Time Travel**  What is a diff?  How has my project changed over time?  How do I get back to a previous state? |
| 1030 - 1100 | | **Lesson 4 – Working with a Remote** Synching with GitHub  Merge conflicts  Multiple users  Managing jobs on a node |
| 1100 - 1130 | | **Advanced Topics** Branches  Tags  Pull Requests  MAKE Files  Scripts 🡪 Functions (with Roxygen) |

## Additional Instructions:

Thanks for participating today. As mentioned in the workshop, please be on the lookout for a series of screen casts that go over each of these topics. So if you get frustrated today, remember that’s ok and you’ll be able to redo these lessons at your own pace.