Welcome!!!

Today's Goals

- Learn to utilize R on TACC resources
  - Trends in HPC and implications for R
  - XSEDE/TACC User Portals, projects and allocations
  - TACC system environment
  - Parallel R
  - Advanced R

Instructor

David Walling: walling@tacc.utexas.edu

Data Group @ TACC: data@tacc.utexas.edu

Software Developer w/ MS Statistics (SAS + R)

Activities:
- Support R research community on TACC resources
- Internal software development on system management applications
- Consulting projects: Statistical analysis, NLP, interface development

Love R!!!

Schedule

- R + TACC - 1:00 to 2:10
- Break - 2:10 to 2:20
- Parallel R - 2:20 to 3:00
- Advanced R - 3:00 to 3:30
- Wrapup/Consulting/Q&A - 3:30 to 4:00

Resources

- Local Software
  - R: https://cran.r-project.org/
  - RStudio Desktop: https://www.rstudio.com/products/rstudio/download2/
  - ssh client
    - Windows: Putty
    - MAC: terminal
- Online Resources
  - Chat: https://public.etherpad-mozilla.org/p/R_HPC_Training_4-13-17

- Slides: http://tinyurl.com/r-training-apr17-slides

Getting Started
Texas Advanced Computing Center (TACC)

- Active TACC Account
  - Check for email with local TACC username
  - Sign in @ http://portal.tacc.utexas.edu
  - If problems let us know
- TACC
  - ssh username@login1.wrangler.tacc.utexas.edu
  - % module load Rstats
  - % R
- Example Codes
  - Copy the following to your home dirs
    - cp -r /work/00157/walling/wrangler/training/R-HPC-April2017 ~/
- Training Allocation & Reservations
  - System: wrangler.tacc.utexas.edu
  - Project: TRAINING-HPC
  - Reservations:
    - dssd+TRAINING-HPC+2167
    - hadoop+TRAINING-HPC+2168