Informatics

TIGER

The Interactive Graphical Environment for Research

TIGER - Overview

- Cloud at OSU HPCC built with EPSCoR Track I funds
- Powerful Windows and Linux environments you can use interactively (virtual high-end workstations)
- Multi TB shared storage
- Fills the gap between your desktop and HPC
- Customized configurations to meet your research needs
- We manage the technology
- You focus on your research

TIGER Does Not / Is Not

- Guarantee 100% (or 99%) uptime or availability (Hurray for ambiguity!)
- Guarantee exclusive hardware or VM use
- Have enterprise-level backups
- A long-term archive

TIGER - Environment

- Familiar Windows or Linux desktop (or terminal)
- Commercial software for OSU people (ArcGIS, Matlab, SAS)
- Open source and unrestricted software for everyone (R, RStudio, python, git, QGIS, etc.)
- Adjustable resources to meet computing needs

Let us know what you need!

Send questions or requests to: hpcc@okstate.edu

TIGER - Web

- Shiny server: http://tiger.hpc.okstate.edu/sites/shiny/
  - Host R Shiny apps
- Cybercommons: http://data.cybercommons.org/
  - Data Catalog/Repository

TIGER

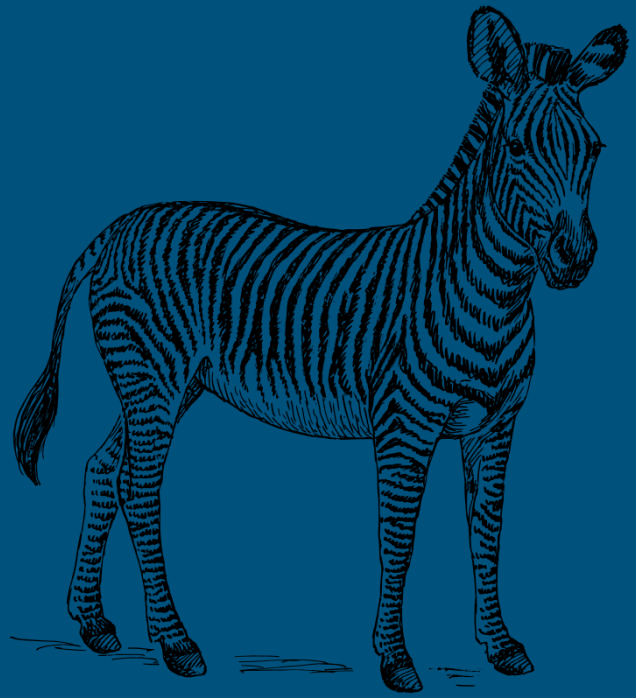
Contact:

Evan Linde, elinde@okstate.edu, 405-744-1455

or hpcc@okstate.edu

Request Access:

http://hpcc.okstate.edu/



Cybercommons

Cybercommons

Address: http://data.cybercommons.org/

~200 GB available for hosting data (expandable)

Cybercommons shouldn’t have exclusive copy of any data. (Has backups, but not enterprise-level.)

Cybercommons

To contribute:

Sign up: http://data.cybercommons.org/

Join an organization (contact organization admin) or request an organization (contact Emma Kuster)

Contact Evan Linde before loading any dataset or resource > 4 GB

EPSCoR Cybercommons

- Cybercommons History
  - NSF - EPS-0919466, “A cyberCommons for Ecological Forecasting,” OU+OSU+KU+KSU
  - Cybercommons Platform:
    - EcoPAD, Flora Explorer, Oklahoma Water Survey Data Portal, MGMIC, TAGS, ETAGS, Global Climate Model Data Portal
  - Data Catalog, CKAN open source software
  - NSF - EPS-1301789**, “Adapting Socio-ecological Systems to Increased Climate Variability”**
  - EPSCoR Informatics mentoring
- Live Demo data.cybercommons.org

Cybercommons Informatics

- EPSCoR Current Projects
  - Mentoring - Software Carpentry
  - Global Climate Model Data Portal
  - FUDGE - Framework for Unified Downscaling of GCMs Empirically
  - Online Policy Database - OSU Beth Caniglia