

## STAT 624 Course topics:

1. Introduction, Linux & Shell Scripting
2. Compiling, Optimization, Vectorization
3. Using HPC Clusters at TAMU
4. High Performance Libraries or Packages.
5. Introduction to OpenMP
6. Introduction MPI
7. Introduction to Big Data and Hadoop
8. Introduction to Parallel R
9. Relational Databases Concepts
10. Overview of SQL Databases
11. Overview of NoSQL Databases
12. Introduction to Python & Python modules