

Facilities, Equipment, and Other Resources

Dr. David B. Dahl is a member of the Department of Statistics at Brigham Young University (BYU). The department currently occupies a wing of the West View Building located in the heart of the Provo Utah campus. Graduate students are provided shared office space there in. The department also has state of the art conference rooms that contain teleconferencing equipment, projectors, etc. In addition to the described physical facilities, the computing facilities of the Department of Statistics are state of the art. The following is a list that details the computing environment in the BYU Department of Statistics:

1. A dedicated server room
 - (a) Six Racks
 - (b) Redundant UPS
 - (c) Core network switch with GE and 10G connectivity
2. Blade Server
 - (a) 6 slots for blades
 - (b) 2 blades each with 32 CUPs and 64 GB RAM
 - (c) SAN attached storage, 6.5 TB
3. Network attached storage
 - (a) Highly redundant 3 node cluster
 - (b) 32 TB disk
4. 18 research servers
 - (a) Each server has between 128G to 786G of RAM
 - (b) Total of 1,392 CPU threads
 - (c) Total of 12TB internal disk storage
5. A hyper-converged infrastructure supporting file and web services
 - (a) Highly redundant 2 node cluster
 - (b) 8 core, 128 GB RAM, 14 TB disk
 - (c) Remote DR node
6. Computer support staff
 - (a) Full time Systems Administrator
 - (b) Two part computer support specialists

Additionally there will be access to the Fulton Super Computing Lab

1. 21,552 CPU cores, 78 TB of memory, 972 compute nodes
2. 2 petabytes of high performance storage
3. Red Hat Enterprise linux