## Parallel Programming in R

- Generic embarrassingly parallel
  - parallel package: multi-core, socket clusters
  - future package (integrates with other backends)
- "Free" parallelism
  - Numerical libraries (e.g. LAPACK, BLAS, vecLib)
- Model-specific implementations (random forest, boosting)

## Parallel Programming in R

- Assume tasks are fairly homogeneous
- Assume resources are fairly homogeneous
- Non-interruptible if something happens all is lost
- Require pre-allocation of resources
- Okay for modern multi-core desktop systems and common use cases