## What We Expect You to Know

- Random value generation: runif(), rexp(), rbinom(), rgeom(), ...
- Sample and shuffle integers using sample.int()
- Use sample() on vectors if you are sure they are not numerics
- Use set.seed() to initialize the PRNG and get reproducible results
- Use RNGversion() to make sure the same PRNG is used in different R versions
- Get the PRNG-state from .Random.seed; you can save it, and then restore it by assigning a saved value to .Random.seed.
  - With some random functions, you have to call set.seed(dummyvalue) before to reset them.
  - Random.seed is not the same value as given to set.seed().
- Changing your code (or even the version of a package) can have an influence on PRNG call order (and therefore your results) in surprising ways; consider it possible that all values change once something in the code in between has changed.
- Using cached values or conditionally skipping parts of your code will lead to differing PRNG states; cache the .Random.seed, or call set.seed() again after optional chunks, to avoid the problem
- Do not run different parts of your code with the same seed.