
2. Choosing a sample.
   (a) Ideal.

   (b) The sampling frame.

   (c) A simple random sample.

   (d) More complicated schemes.

   (e) Common biases.

3. No sample is perfect!

4. Sampling tools in R.
   - `sample()` samples of a given size from a vector
   - `deal()` same
   - `shuffle()` shuffle the vector, random order
   - `resample()` sample with replacement