Student-led demos

 1) Think of a statistical technique that interests you, for example:
     Logistic regression
     Ecological diversity, species richness, evenness
     Estimating survival or population size
     Generalized Additive Models
     Bayesian approaches (e.g., for mixed models or population analysis)
     Principal components analysis
     Non-metric multidimensional scaling
     Phylogenetic analysis
          * Anything except t-tests, chi-square, ANOVAs, linear regression, AIC, GLM/GLMMs

2) Find journal article/book chapter that describes that technique for class to read and discuss (e.g., similar to AIC papers)

3) Look for *recent* publications that have used that technique using R, figure out what Package they used

4) Google that Package, look for examples in package documentation or online

5) Work through 1-3 of the main functions from examples in the package documentation or examples from other sources

6) Lead discussion on technique and walk the class through the examples