**These Shiny Apps were created by :** [Matthew Leonawicz](http://blog.snap.uaf.edu/author/leonawicz/) **(http://blog.snap.uaf.edu/)**

**RV1**

* RV1 app plots histograms of random samples drawn from any one of a set of common probability distributions.
* The user can select a distribution, a sample size, whether to overlay a smooth density curve, and only if shown, what bandwidth to use for the curve.

**RV2**

* RV2 expands upon the RV1, which generates random samples from some common probability distributions.
* Specifically, RV2 enhances the histogram plots of random samples from different probability distributions by adding the pdf (probability density function) for the currently selected distribution above the histogram.
* The pdf is not complete without specifying the support, so that is included as well.

**RV3**

* RV3 incorporates additional probability density and mass functions.