

1086-B5-2927 **Randall Pruim*** (rpruim@calvin.edu), **Daniel Kaplan** and **Nicholas J Horton**. *A mosaic sampler: Using R and RStudio in the Intro Course with the mosaic package.*

One activity of the NSF-funded Project MOSAIC has been the production of the mosaic package (available on CRAN). This package helps provide a consistent interface to the most important computational tasks for the Intro Course and simplifies some tasks that would otherwise be too daunting for beginners (including resampling). This talk will give an overview of the principles that guided the construction of the package and a sampler of applications based on the authors' experiences using RStudio in the Intro Course. (Received September 26, 2012)