Teaching R to high school students (and teachers)

Amelia McNamara[1*]**, James Molyneux**[1]

1. University of California-Los Angeles
*Contact author: amelia.mcnamara@stat.ucla.edu

Keywords: Statistics education

As graduate students on the Mobilize grant [1], we have had the opportunity to interact with Los Angeles high school teachers and students who are trying to learn *R*. Over the years of the grant, we have learned some factors that can help or hinder learning of *R* at the high school level.

In this talk, we will reflect on lessons we have learned about teaching *R* to this particular audience. We will discuss some of the pedagogical decisions surrounding *R* that have been made in the various pieces of Mobilize curriculum, including the use of the **mosaic** package [3], as well as our own package of wrapper functions, **MobilizeSimple** [2].

References

[1] Mobilize. http://www.mobilizingcs.org/.

[2] McNamara, A. and J. Molyneux (2013). MobilizeSimple: Simple functions for Mobilize. github.com/mobilizingcs/MobilizeSimple. R package version 1.2.8.

[3] Pruim, R., D. Kaplan, and N. Horton (2013). *mosaic: Project MOSAIC (mosaic-web.org) statistics and mathematics teaching utilities*. R package version 0.7-30.