1116-VP-793   **Khairul Islam*** (`khairul.islam@tamuk.edu`), Mathematics Department, Texas A&M University-Kingsville, Kingsville, TX 78363, and **Mian Arif Shams Adnan**, Department of Mathematical Sciences, Ball State University, Muncie, IN. *Tossing a Coin and Characteristics Assessment in R.*

Tossing a coin is a very common practice to introduce probability. Very often, we wish to establish if the coin is unbiased by the repetitive tosses of the coin. How can we implement the process via a technology? In particular, how can we do it in an open source software at a no-cost platform? In this presentation, we intend to implement an open source software R for tossing of a coin. Specifically, we would like to address the concept of the law of large numbers, central limit theorem, and sampling distribution in R, empirically, along with the demonstration of flexibility of using R in teaching and learning. (Received September 22, 2015)