ZZSC5960 - Assessment 4 Part III

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Answer:

It is possible to use simulation functions in R (i.e. rnorm, rbeta, rgamma) to generate values from a specified distribution in such a way that it appears statistically random for the distribution. However, these functions cannot re-produce true randomness, as they are pseudorandom functions. Rather, they rely on deterministic algorithms and processes to generate a “random seeming” or “random enough” sequence. What is considered random enough differs with respect to the application.

Pseudo randomness enables replicability of results (by storing an arbitrary seed – or starting point), such functions deterministically produce the same outcome sequence if initiated from the same starting point – hence are not random given a particular starting point.