

1035-P1-46

Richard Cornez* (richard_cornez@redlands.edu), Department of Mathematics, University of Redlands, Redlands, CA 92373. *A Simulation Application for the Exponential.*

A web-based animation is offered as an introductory laboratory for a class project dealing with real data. Exponential inter-arrivals times for cars are simulated in an animation that allows students to deal with some of the intangible problems associated with real data. It is tacitly assumed that introducing students early on to data they collect themselves is advantageous. The author agrees with this perspective but has found that setting students loose to collect and model traffic flow is sufficiently complicated both from a modeling and data collection standpoint that some preliminary practice is called for. Although the web application could be used alone for a variety of class activities, it is its use as preparation for more complicated modeling that sees its greatest benefit. (Received June 19, 2007)