

Title: Using Sequential Probability Distributions in the Simulation of Activity Diary Data

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Abstract: A new methodology for storing sequential information that is typically incorporated in an activity diary was developed and empirically tested in this study. Based on this sequential information, sequential probability distributions were constructed in order to simulate new and real-world activity diaries. It is shown in the paper that the simulation results are satisfactory and that the initial framework developed in this paper holds out considerable promise for simulating activity diary data.