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Siamak Ardekani* (ardekani@uta.edu), Civil Engineering Department, The University of Texas at Arlington, UTA Box 19308, Arlington, TX 76019, and **Mostafa Ghandehari**. *A Blackjack Pseudo Card Counting System with Simulation-Based Comparisons*. Preliminary report.

A pseudo card counting system is presented for the game of blackjack, with comparison made to a conventional counting system. The comparison is based on a simulation of the game assuming an initial 200 dollars bank at a 5 dollars minimum table. The basis of comparison is the return on investment(ROI) for 100 simulation data. Statistical tests of hypothesis are made to see if the number of players at the table or the number of card decks in the shoe has a significant effect on the ROI. (Received June 15, 2010)