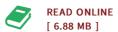# Experimental Evidence of Deterministic Chaos in Human Decision Making Behavior (Classic Reprint)

By John Sterman

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Experimental Evidence of Deterministic Chaos in Human Decision Making Behavior An experiment with a simulated microeconomic system demonstrates that the decision-making processes of human subjects can produce deterministic chaos. Participants managed a commodity production-distribution system to minimize costs. Performance, however, was systematically suboptimal. A model of the subjects decision rule is proposed. Econometric estimates show the model is an excellent representation of the actual decisions. Simulation of the estimated rules yields stable, periodic, quasiperiodic, and chaotic solutions. Analysis of the parameter space reveals a complex structure including mode-locking, a devil s staircase, and fractal basin boundaries. Implications for modeling human systems are explored. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do,...

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