

1111-91-618

Alberto A Álvarez-López* (aalvarez@cee.uned.es), Dep. Quantitative Applied Economics II, Faculty of Economics - UNED, Paseo Senda del Rey, 11, 28040 Madrid, Madrid, Spain, and **Inmaculada Rodríguez-Puerta** (irodpue@upo.es), Dep. Economics, Quantitative Methods, and Economic History, Carretera de Utrera Km.1, 41013 Seville, Seville, Spain. *Decision analysis under uncertainty in a model of sports economics*. Preliminary report.

We consider a model, due to ANDERSEN and NIELSEN, concerning the behavior of a risk-averse sports team under uncertainty in demand: the team chooses a value for the price of its ticket, but the ticket demand is stochastic at the moment of decision.

For this model, we carry out a decision analysis by studying several comparative-static effects not considered by the authors in their paper. Specifically, we examine the effect of changes in the team's risk aversion, and also the effect of a variation in the risk of the random demand. Furthermore, we enhance the model by considering a proportional profit tax, and we study the effect of a variation in the tax rate. We derive some conditions under which the sports team finds optimal to reduce the ticket price as a consequence of a rise in the tax rate.

We also try to drop the assumption of unlimited capacity for the stadium. (Received February 09, 2015)