Applications of survival analysis in the domains of management and social sciences

Jacob Zahavi

Survival analysis is a branch of statistics that deals with predicting the survival chances of time-dependent events over a certain experimentation period. It originated from the health care field where the objective is to estimate the chances that the survival time until death (or recuperation) from a certain disease. However, since survival analysis is one of the more complicated models in statistics, the modeling process of time-dependent events is mostly based on "regular" regression models and often yields biased models which may lead to wrong decisions. The purpose of this article is to apply the potential of survival analysis for analyzing time-dependent events also in the management and social sciences domains, to increase the awareness of survival analysis and make it accessible to the industry. I also present a solution that combines survival analysis and predictive analytics to enable the prediction of events even beyond the experimentation period, demonstrating it by means of a practical problem in the automotive domain.

What can we learn from the composition of academic faculty in business schools?

Eli Amir and Daniel Libermann

Using information from websites, we examine the composition of academic faculty in business schools in Israel, the United States (US) and the United Kingdom (UK). First, we compare the composition of faculty across four Israeli business schools. Then, we compare the composition of academic faculty in Tel Aviv's Coller School of Management to that of five US business schools and four UK business schools. We examine the size of the schools, gender composition, proportions of faculty in academic departments, distribution by academic rank and the PhD background of academic faculty. While Coller is considered a large business school in Israel, it is small relative to all the foreign business schools. Based on our findings we offer some suggestions for increasing the influence of Coller on management practice in Israel.