

The duration of civil cases a survival analysis

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Abstract:

Estimations about the duration of judicial cases are usually initiated by eliminating all those observations in which at least one of the two relevant dates (filing or termination of the procedure) are unknown. This method may lead to bias in estimations. Thus, in this paper we make an application of Survival Analysis to assess the duration of civil cases in Argentina (Federal Capital and Santa Fe). We use Kaplan-Meier Product Limit Method to estimate survival functions (and thus, duration probabilities) and then proceed to analyse the effect of several variables using a Cox Proportional Hazard Regression.

Key words: Duration of Case Processing, Survival Analysis, Kaplan Meier Estimates, Cox Regression Model

JEL: K00, K41, H14