

# ANALYSIS OF JOB PERMANENCE TIME OF FORMAL WORKERS ON LABOR MARKET IN FEDERAL DISTRICT OF BRAZIL VIA COX PROPORTIONAL HAZARD AND LOG-NORMAL MODELS

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- *ABSTRACT: In this work, we propose to analyze survival data from formal labor market in Federal District of Brazil by log-normal regression and the Cox proportional hazard models. The objective was to estimate the distribution of job permanence time of these workers through a dataset. The large number of observations made unfeasible the use of traditional hypothesis testing and graphic techniques were used for decisions. Both log-normal and Cox models presented an appropriate adjustment for the considered data set.*
- *KEYWORDS: Survival analysis; regression models; RAIS.*

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