25 years (of my academic life) of specification tests for regression models in Survival Analysis

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Abstract: Specification tests in a regression framework refer to the assertion or rejection of some assumption about the model structure. These cover well studied topics as goodness-of-fit or significance tests. In terms of goodness-of-fit tests, the objective is testing if the regression model belongs to some parametric family, measuring the departure from this hypothesis. In this talk we will revise the different methodologies developed in the last 25 years (of my academic life) with the application to the context of Survival Analysis where the censored data are present.

Keywords: Regression models, specification tests, censored data.