## Comparing duration of larval life stage of insects via semiparametric survival analysis

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**Abstract:** We demonstrate the utility of nonparametric survival analysis for evaluating the influence of qualitative factors on duration of life stage (DLS) of insects. They constitute important response variables for detecting effects of sub chronical and non-lethal agents such as some biopesticides, growth inhibitors or inadequate host species.

**Key words**: Cox model, duration of life stages, life cycle, insect, entomology,

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