

- ▶ This talk is about regression methods in which the dependent variable takes nonnegative integer or count values.
- ▶ The dependent variable is usually the number of times an event occurs.

Overview

Some examples of event counts are:

- ▶ number of claims per year on a particular car owners insurance policy
- ▶ number of workdays missed due to sickness of a dependent in a 4-week period
- ▶ number of papers published per year by a researcher

Overview

- ▶ Poisson regression is used to model count variables.
- ▶ Negative Binomial regression is for modelling count variables, usually for over-dispersed count outcome variables.