

A hazards approach to the biometric analysis of infant mortality

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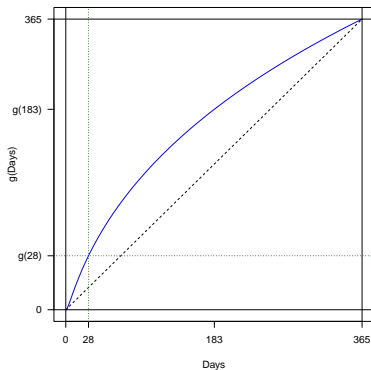
- Bourgeois-Pichat (1951): Biometric analysis of IM (background).
- Hazard-based alternative.
- Theoretical considerations
- Real-world examples.

The log-cube transform

$$g(t) = C \log^3(t + 1), \quad 0 < t \leq 365.$$

where C is a normalizing constant.

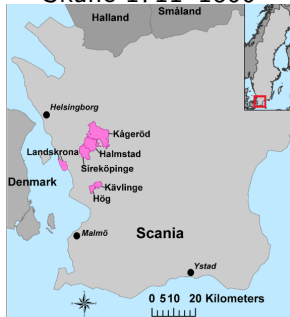
$$C = \frac{365}{\log^3(365 + 1)}$$



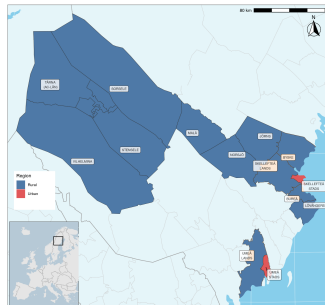
- Knodel & Kintner (1977)
- Wrigley (1977).
- Lynch, Greenhouse & Brändström (1998).
- Bengtsson (1999).
- Manfredini (2004).

Study areas

Skåne 1711–1800



Västerbotten 1801–1950



- Good