

## Distribusi gamma half normal = Gamma half normal distribution

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### Abstrak

[Distribusi Gamma-Half Normal merupakan distribusi kontinu yang dapat memodelkan data yang unimodal atau bimodal. Distribusi Gamma-Half Normal merupakan hasil pengkombinasian antara distribusi Gamma dan distribusi Half Normal dengan menggunakan metode Transformed-Transformer. Pembahasan meliputi pembentukan distribusi Gamma-Half Normal, fungsi kepadatan probabilitas, fungsi distribusi, fungsi hazard, dan karakteristik-karakteristik distribusi Gamma-Half Normal lainnya. Penaksiran parameter-parameter dari distribusi Gamma-Half Normal menggunakan metode maksimum likelihood. Dua kelompok data dibangkitkan untuk memberikan ilustrasi penggunaan distribusi Gamma-Half Normal. Gamma-Half Normal distribution is a continued distribution which can model unimodal or bimodal data. Gamma-Half Normal distribution is derived from Gamma distribution and Half Normal distribution using the Transformed-Transformer method. It will be explained how to form Gamma-Half Normal distribution, probability density function, cumulative distribution function, hazard function, and other characteristics of Gamma-Half Normal distribution. Maximum likelihood method is used for estimating Gamma-Half Normal's parameters. Two sets data are used to illustrate the applicability of Gamma-Half Normal distribution.]