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Notation

Our data are (T^n, Y^n) comprised of

$T^n = \{t_1, \dots, t_n\}$ observation times

$Y^n = \{y_1, \dots, y_n\}$ data

The differences $t_i - t_{i-1}$ are the spacing

The distribution $pr(T^n)$ on T^n is the obs

night, etc.

Thus, observations usually exhibit deterministic patterns (e.g., 1-day periodicities)

\Rightarrow Problems for inference (coming up).

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Description

44 views 1 year ago Randomization Inference of Periodicity in Unequally Spaced Time Series with Application to Exoplanet Detection <http://hea-www.harvard.edu/AstroStat/>... ..more