

Lehmann Statistik

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Sample Annotieren

subj 1, tx1

$$Y(s) = \sum_t X(t) K(s, t) / \sum_t K(s, t)^2$$

$$\text{So } Y(s+1) - Y(s) = \sum_t X(t) (K(s+1, t) - K(s, t))$$

$$\Rightarrow \mathbb{E}[(Y(s+1) - Y(s))^2] = \mathbb{E}[0]$$

$$\mathbb{E}[(Y(s+1) - Y(s))^2] = \sum_{u, v}$$

$$= \left( \sum_u X(u) (K(s+1, u) - K(s, u)) \right)$$

$$\times \sum_v X(v) (K(s+1, v) - K(s, v))$$