Statistiky použité místo/jako MLE pro Rényiho odhady s parametrem $\alpha = 0$.

Cauchy

Nejsou to MLE.

$$p_{(\mu,\sigma)}(x) = \frac{1}{\pi\sigma} \left(1 + \left(\frac{x - \mu}{\sigma} \right)^2 \right)^{-1}$$

$$\hat{\mu} = \frac{X_{1-p} + X_p}{2}, \ p = 0.5565$$

$$\hat{\sigma} = \frac{X_{0.75} - X_{0.25}}{2}$$

Laplace

Jsou to MLE.

$$p_{(\mu,\theta)}(x) = \frac{1}{2\theta} \exp\left[-\frac{|x-\mu|}{\theta}\right]$$

$$\hat{\mu} = X_{0.5}$$

$$\hat{\theta} = \frac{1}{n} \sum_{i=1}^{n} |x_i - \hat{\mu}|$$

Normální

Jsou to MLE.

$$p_{(\mu,\sigma^2)}(x) = \frac{1}{\sqrt{2\pi\sigma^2}} \exp\left[-\frac{(x-\mu)^2}{2\sigma^2}\right]$$

$$\hat{\mu} = \frac{1}{n} \sum_{i=1}^n x_i$$

$$\hat{\sigma^2} = \frac{1}{n} \sum_{i=1}^n (x_i - \hat{\mu})^2$$