

$$f(x; a, k) = \frac{k a^k}{x^{k+1}} \quad x \in [a, \infty)$$

$$L(x_1, \dots, x_n; a, k) = \frac{k^n \cdot a^{nk}}{\prod x_i^{k+1}}$$

$$\log(L(a, k)) = n \cdot \log k + nk \cdot \log a - (k+1) \cdot \sum_{i=1}^n \log x_i$$

W celu zminimalizować  $a$ , czyli

$$a = \min_{1 \leq i \leq n} (x_i) \quad \text{bo} \quad x \in [a, \infty)$$