$$P(\mu,\sigma)(x,i) = TT \frac{1}{2\pi T} \exp\left\{\frac{1}{2\sigma^2}\right\}$$

$$l(\mu,\sigma) = \log\left(P(\mu,\sigma)\right) = \log_{\sigma}\left(TT \frac{1}{\sqrt{2\pi T}} \exp\left\{\frac{1}{2\sigma^2}\right\}\right)$$

$$= \sum_{i=1}^{N} \log_{\sigma}\left(\frac{1}{\sqrt{2\pi T}} \exp\left\{\frac{1}{\sqrt{2\sigma^2}}\right\}\right)$$

$$= \sum_{i=1}^{N} \log_{\sigma}\left(\frac{1}{\sqrt{2\pi T}} \exp\left\{\frac{1}{\sqrt{2\sigma^2}}\right\}\right)$$

$$\log_{\sigma}\left(ab\right) = \log_{\sigma}\left(a\right) + \log_{\sigma}\left(b\right) \quad \log_{\sigma}\left(\frac{1}{\sqrt{2\sigma}}\right) = \sum_{i=1}^{N} \log_{\sigma}\left(\frac{1}{\sqrt{2\sigma}}\right) + \sum_$$

Se entre na con gradiante descente

