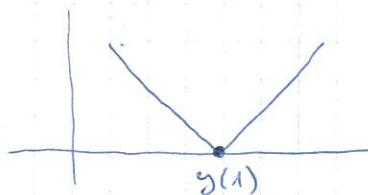


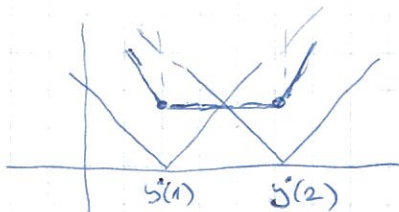
(3)(4)

$$N=1 \quad |y(1) - a|$$



$$\hat{a} = y(1)$$

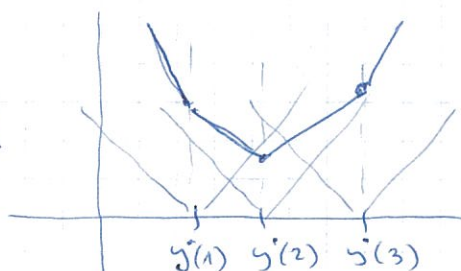
$$N=2 \quad \sum_{n=1}^2 |y(n) - a|$$



$y(n) \rightarrow y^*(n)$
ORDERING!

$$\hat{a} = \text{ANYTHING IN } [y^*(1), y^*(2)]$$

$$N=3 \quad \sum_{n=1}^3 |y(n) - a|$$



(DRM criterion for Laplacian, m)

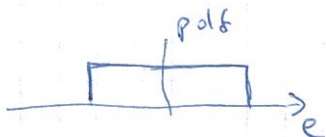
$N = \text{GEN} \begin{cases} \text{EVEN} \rightarrow \text{ANYTHING BETWEEN TWO MIDDLE} \\ \text{ODD} \rightarrow \text{MEDIAN OF SORTED VALUES} \end{cases}$

$$\hat{a} = y^*(2) = \text{median}(y^*)$$

$\text{var}\{\text{median}\} \leftrightarrow \text{var}\{\text{mean}\} \begin{cases} \text{GAUSSIAN} > \\ \text{EXPONENTIAL} < \end{cases}$

AND WHAT IF THE NOISE IS UNIFORM?

(DRM are median, m)



$$\hat{\theta}_{ML} = ?$$