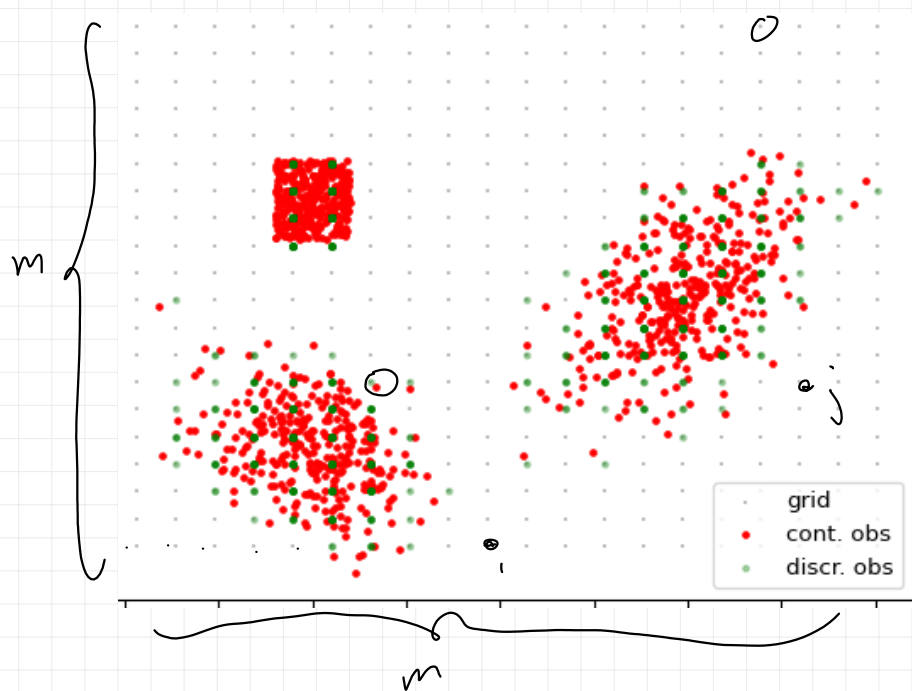


$$x_1, x_2, \dots, x_n = \begin{pmatrix} x_1(1) \\ x_1(2) \end{pmatrix} \dots$$

$$\begin{pmatrix} x_n(1) \\ x_n(2) \end{pmatrix}, x_i \in \mathbb{R}$$



grid 2d
 $x_i^{\text{grid}} \in \text{grid}$

$$M = m^2 \quad m = 20$$

$\hookrightarrow Q \quad 400 \times 400$

parameters dla 1 UNBYTEGO: $\text{średnik} = \begin{pmatrix} \mu_x^s, \mu_y^s \\ \sigma_x^s, \sigma_y^s \end{pmatrix} \in \mathbb{R}^2 \quad s = 1..L$

$$\text{chol-L-params} = \begin{pmatrix} a^s, b^s, c^s \end{pmatrix}$$

$$2 \text{ NIEY} \rightarrow L = \begin{pmatrix} a & c \\ 0 & b \end{pmatrix}$$

$$\Sigma = \begin{pmatrix} L & L^T \end{pmatrix}$$

