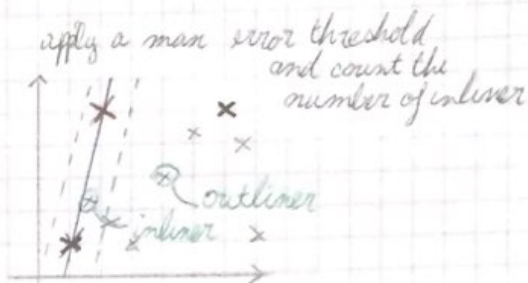
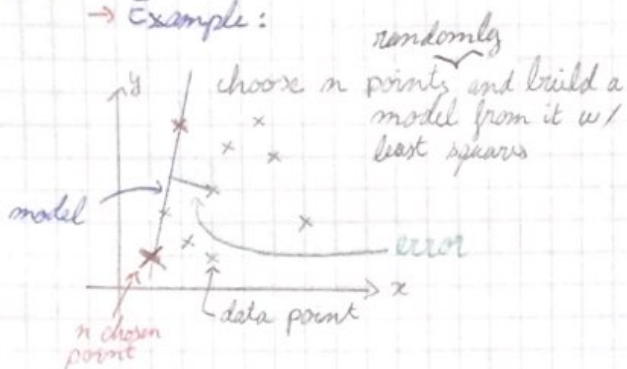


→ RANSAC (random sample consensus)

→ Allow to check what are the good data points and what are the bad ones.

→ Is used to select data necessary for creating a model

→ Example:



The whole point of the process is to maximize the nb of inliers obtained from a random sample

The best n points have been marked in **x** (bold).



$$w = \frac{\# \text{ inlier}}{\# \text{ samples}}$$

A: event of creating a correct model

$$P(A) = w^n \rightarrow \text{nb of samples necessary for the creat of a model}$$

B: not building a good model during k iterations

$$P(B) = (1 - w^n)^k$$

→ Applicat° on feature detect°

- Select° of n points → n has to be determined
- creat° of fundamental matrix w/ them
- count of inliers