RANSAC Algo: Andom Sample Consensus To separate data into inhers and outliers 8 3 steps: - Sample a subset of data I Treat them as inliers - Compute the model - Score the model based on how many points agree coilts
this model, i.e., how many
are considered
intiers within a
thrishold Number of trials needed T T = log(i-p)Tag(1-(1-12)5) P -> Probability of Euccess

e -> Outlier natio (# earlies)

b -> No of samples model

needs

To entire Probability that at least one set sampled is free from 1-P -> All sets have outliers (1-e)3 - All & points are not outliers >1-P=1-(1-e)3 (Fail once) = Do not select only inliers P(Fail T times) = Select mot only interes in all T trials =) T = (09(1-P) 109(HL-03)