

RANSAC

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RANSAC (Random Sample Consensus)

Problem:

- Dealing with Outliers!
 - eg. noise, unwanted points
 - resulting in invalid matches in model
 - if outliers < 50%, -> use RANSAC

Algorithm

- 1. Randomly chose **s** samples.
 - s is the minimum samples to fit a model.
 - Homography, s = 4
 - Linear Line, s = 2

- 2. Fit the model to the randomly chosen samples.
- 3. Count the number **M** of inliers that fit the model within error
- 4. Repeat 1-3 N times
- 5. Choose the model that has the largest inliers [https://youtu.be/EkYXjmiolBg]

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