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**Notes:** **Segmentation Using Genetic Algorithm**

Using Genetic Algorithm to segment

* Stochastic algorithm

Compare with other algorithms

* Metric for evaluating
  + Dice
  + LOOK AT COST FUNCTION
  + Jaccard
  + Modes of failure
  + Speed of convergence

Diego can give us some data sets and guidance

What are we trying to segment?

Simulated image and brain image

Compare SD and GA for easy and hard questions

What kind of segmentation formulation will you use?