* C elegans well suited to distance-based approach (not long head to tail)
* Myelination impacting speed? Fairly low level
* Circuits of the mind – layered graphs, multipartite graphs, maybe distance dependence?
* Clamp parameters of distance model to start
  + Ignore overlapping representations
  + Associate each neuron with 1 item at most, strong connectivity assumptions, weights are not limited there
    - Start with all weights at w or 0
  + Measure probability change over D
* Start with studying association
* Graph sizes: 150, 200, 250, 300
* Degree: from 32, 64… 1024
* R: some fraction of the size of the graph from .1 to .9
* Run for distance, and random
* Change distance function
  + Increase exponent makes more distance dependent
* Different graph shapes
* Long graphs: 100…1000

Experiment setup

* Generate all graphs and pickle
* For comparing graph size and degree:
  + For each combination of size and degree, run *n* tests
  + Store the list of scores
  + Count the percentage of test results where the overlap score was greater than some threshold (ie 80%)

Presentation

* Next step – looking at more complex model of memory and association in simulation
* Future directions
  + same simulations for memorization
  + more complex spatial models
  + analytical stuff