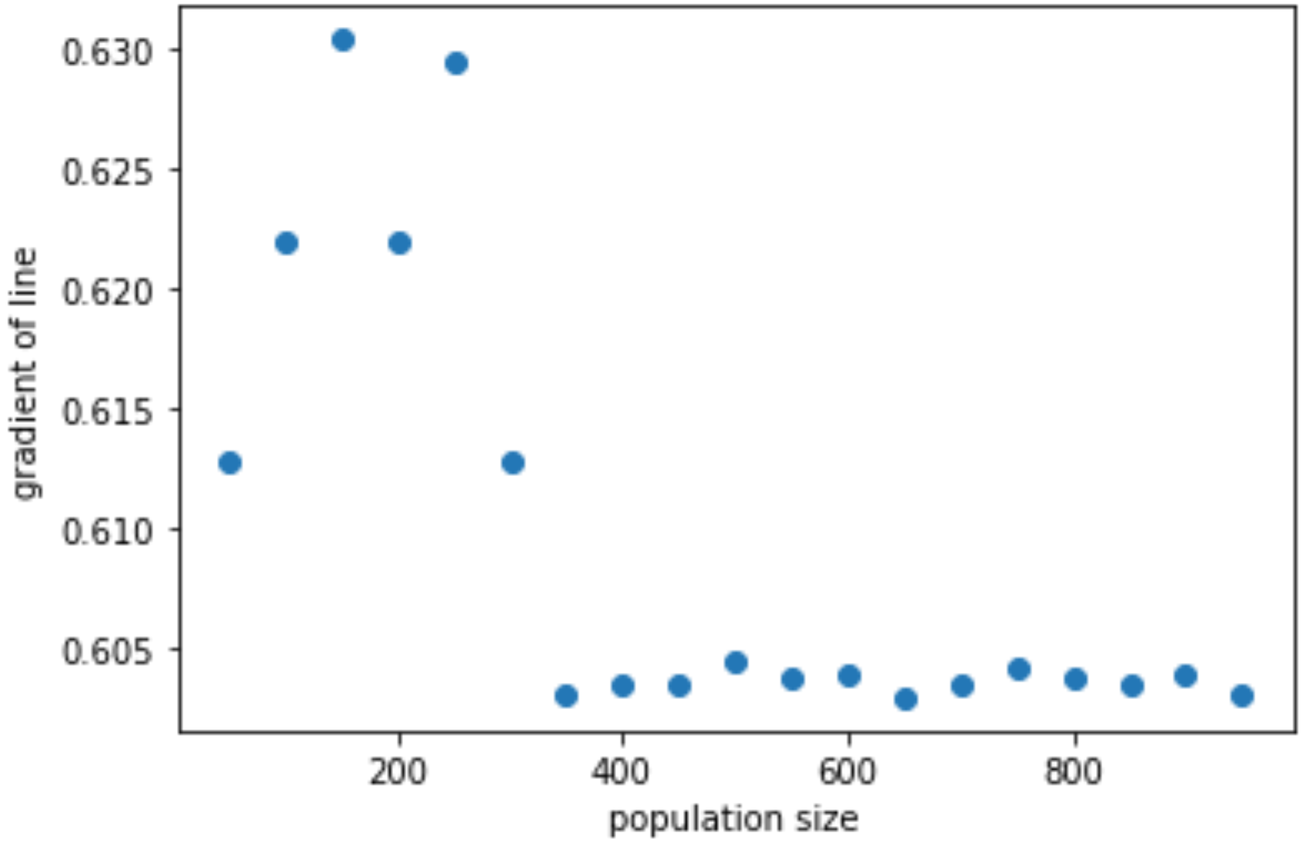
# Recall of agenda

- we couldn’t explain the deviation of the gradient of line from geometric mean fitness
- the geometric mean fitness is higher ~ 0.632 whereas the gradient from simulation of various graphs is ~0.61
- population size ranging from [50, 1000] at increment of 50
- having issue with star graphs (those with size >= 500 couldn’t terminate within 20 hours)

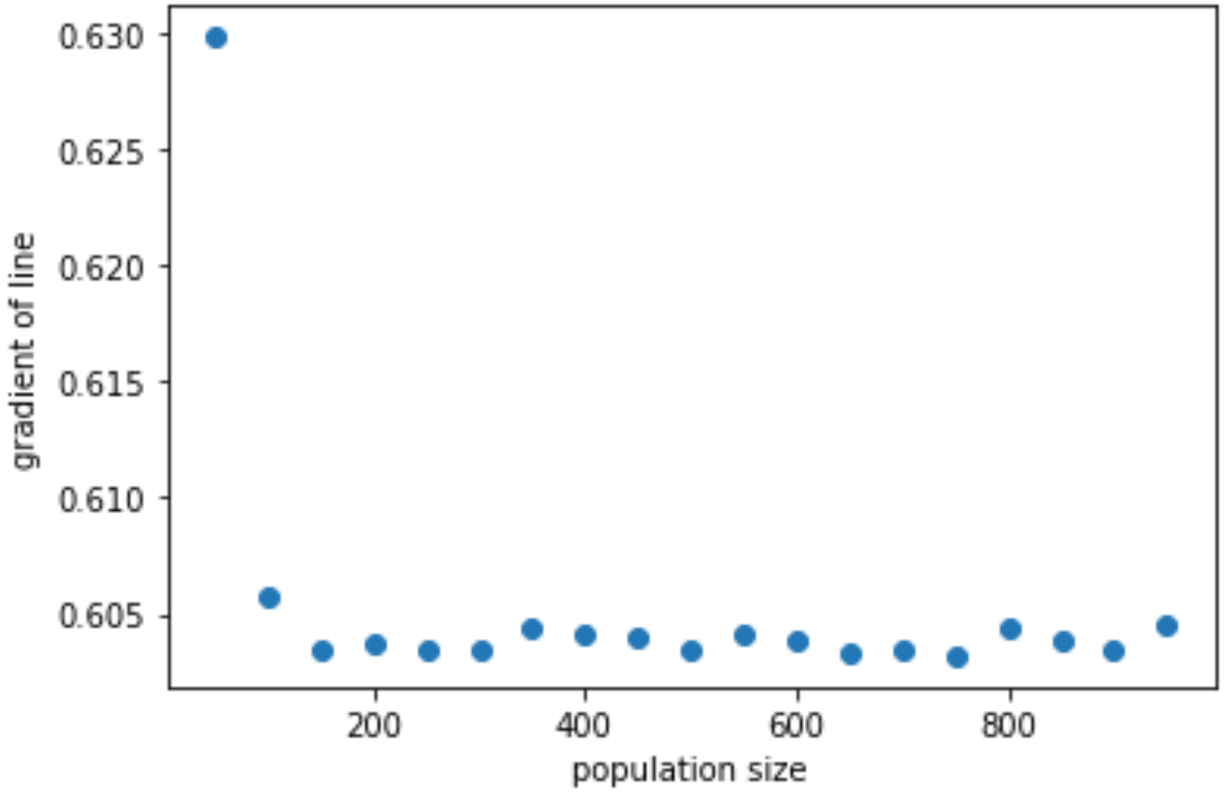
# Random 3 regular graphs with varying sizes

- seems to be higher for ~ 200 node graphs and consistently low for much larger graphs
- the higher values at lower number nodes could be due to



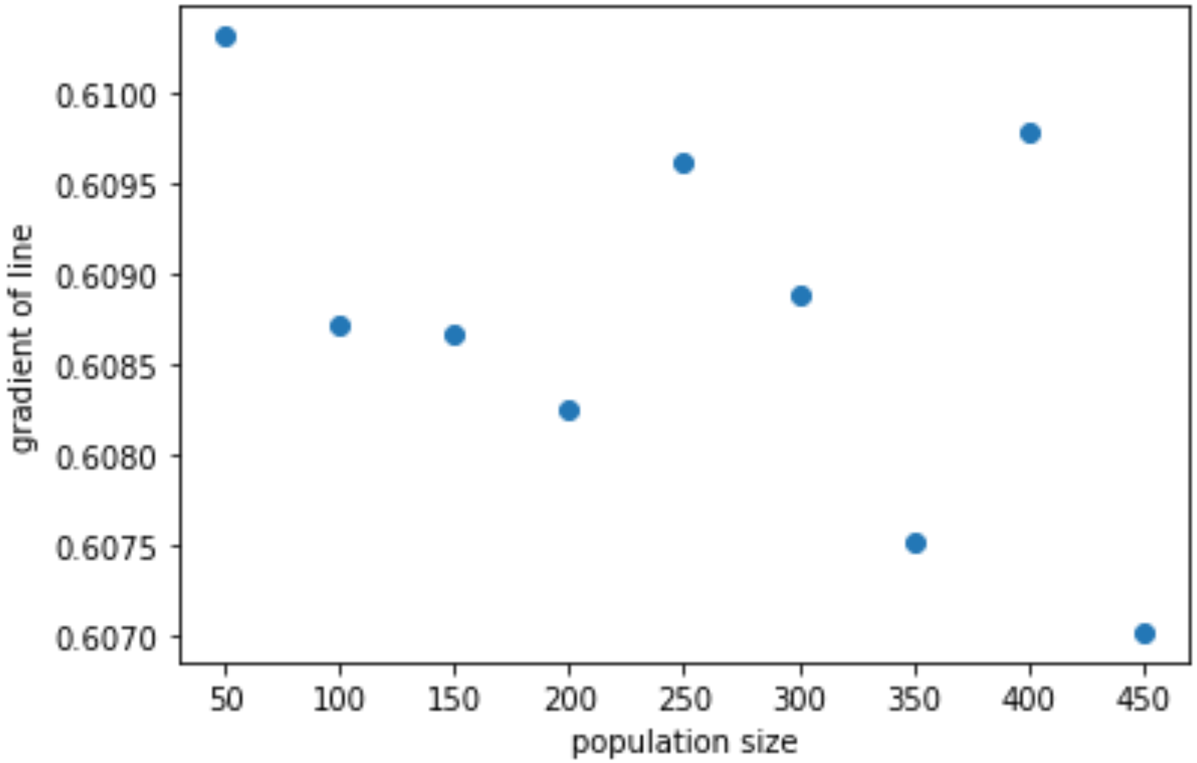
# Wellmixed (complete graph) varying sizes

- high for population size 50
- consistent for the remaining



# star graph

- couldn’t get result for graphs larger than population_size=500
- value seems to be slightly higher compared to well-mixed and regular (scale is quite deceiving here)



# Next step

- I am still trying things to get star graph running
- perhaps try on
  - preferential attachment graphs
  - wheel
  - cycle
  - tree