

EverQuote Coding Challenge

1000 consumers, 20 agents, 1 call router

Consumers can:

- make calls to the call router
- receive calls from agents (20% success)

A consumer has: age, state, # of kids, # of cars, a home ownership state (own/rent), household income, phone number (unique)

Agents can:

- receive consumer calls via the router (if free)
- ~~can~~ make calls to consumers based on their voicemail
- delete voicemails once a consumer has been called back.

An agent has: ranges of age, state, # kids, # cars, household income, home ownership status, Voicemail list

The call router can:

- ~~identify a set of agents matching a given consumer~~
- evaluate how well an agent matches a consumer
- identify the set of agents that best match a consumer
- route a call to an agent (or that agent's voicemail)

~~The simulation~~

The call router has: - ~~some~~ a queue

A VM has: - a phone # - a # of retries?

The simulation manager can: - start / stop the sim
 - generate sets of consumers and agents w/ attributes
 - export results to MS Excel

The simulation manager has: - a set of consumers
 - a set of agents
 - a call router

