1. Arrival:
   1. 10min registration period
   2. 10 slots per min
   3. 60% full, in other words, binomial distribution with n = 10 and p = 0.6
   4. Uniform distribution between [-10 10] min of scheduled time.
   5. Assume infinite queue capacity after arrival (can always wait outside the arena)
2. TSA, temp check, and paperwork
   1. Finish while waiting in queue for registration
   2. Time spent is negative exponential with mean rate of 1 per 3 minutes
   3. Capacity of the arena is considered - cannot start paperwork if queue for registration if filler.
   4. Queue capacity = 30
3. Registration
   1. 4 stations, 2 min per registration unless there is a problem: registration time = 5min for P=0.1, registration time = 2 min for P = 0.9
   2. Cannot start registration when registration server is full, or when queue waiting for vaccine is full (5 people)
4. Vaccination Process
   1. 5 stations, negative exponential with mean rate of 1 per minute. (2 min max, chance of >2min = 0.135)
   2. vaccination capacity = 5
   3. cannot begin vaccination if observation area is full (60 people)
5. Observation
   1. 15 min for all
   2. capacity = 60
6. Simulation Setup
   1. staff works 5 hours daily, 10am – 3pm
   2. staff will stay until all scheduled vaccination is completed.
   3. All time stamp rounded to the nearest minute, i.e. Δt = 1min.