

Assignment 8: Agent-Based Models

MinJae Jo

2025-10-16

Exercise 1

```
if (file.exists("results_ex1.rds")) {  
  results_ex1 <- readRDS("results_ex1.rds")  
} else {  
  results_ex1 <- run_abm()  
  saveRDS(results_ex1, "results_ex1.rds")  
}
```

- i. S, I, R
- ii. population_size = 100
- iii. time_steps = 50

Exercise 2

Exercise 3

Exercise 4

Exercise 5

Exercise 6

Exercise 7

Exercise 8

Exercise 9