

# Shiny App - SEIR model

## TITLE

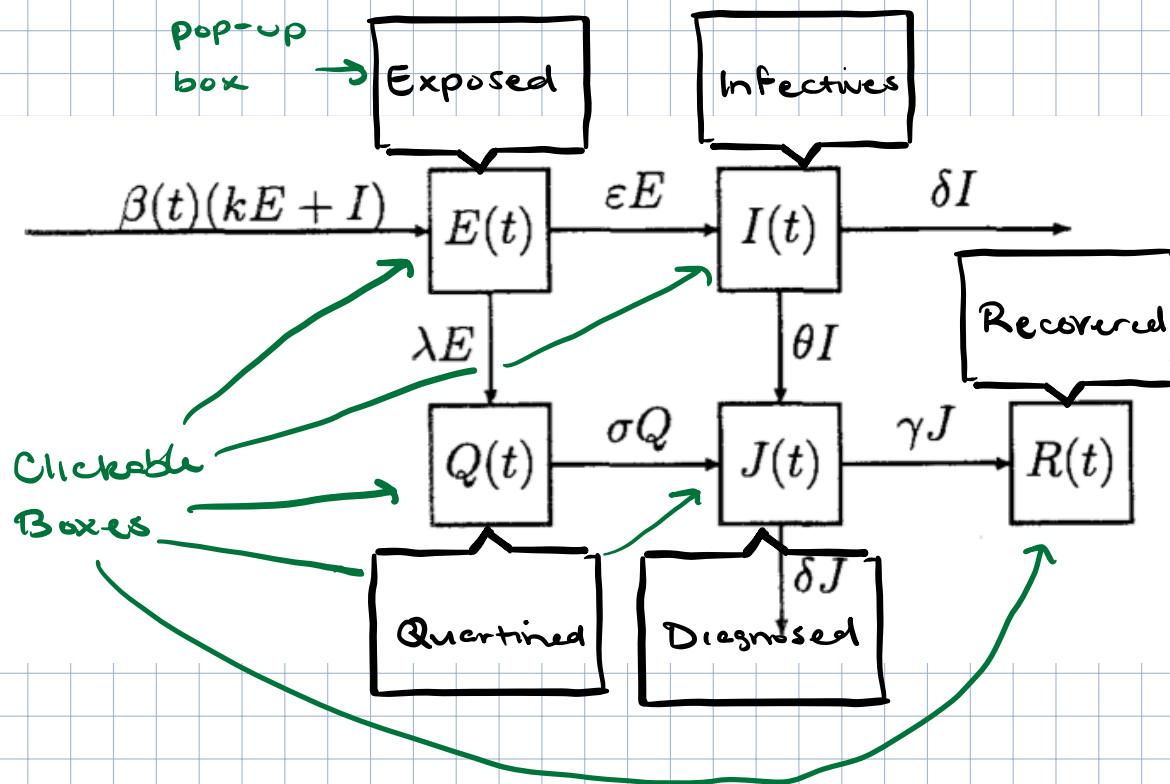
What is this app doing

Set your parameters

Results

What is this app doing

App Description Here



# TITLE

What is this app doing

Set your parameters

Results

Time

dropdown menu

START

MIDDLE

EXPOSED

← text box

INFECTIVES

QUARANTINED

DIAGNOSED

RECOVERED

reactive to time

## Rate Parameters

Transmission Rate

Exposed  $\Rightarrow$  Infective ( $\epsilon$ )

Exposed  $\Rightarrow$  Quarantined ( $\lambda$ )

Quarantined  $\Rightarrow$  Diagnosed ( $\sigma$ )

Infectives  $\Rightarrow$  Diagnosed ( $\theta$ )

Diagnosed  $\Rightarrow$  Recovered ( $\gamma$ )

Infective + Diagnosed  $\Rightarrow$  DIE ( $\delta$ )

When Time = Middle, the user is able to change the # of **QUARANTINED**, **DIAGNOSED**, and **RECOVERED**

- These 3 text boxes only appear when Time = Middle

# TITLE

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Results

## Checkbox

- |   |                                      |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> Diagnosed | <input type="checkbox"/> Exposed     |
| <input type="checkbox"/> Infectious           | <input type="checkbox"/> Quarantined |
| <input type="checkbox"/> Recovered            |                                      |

