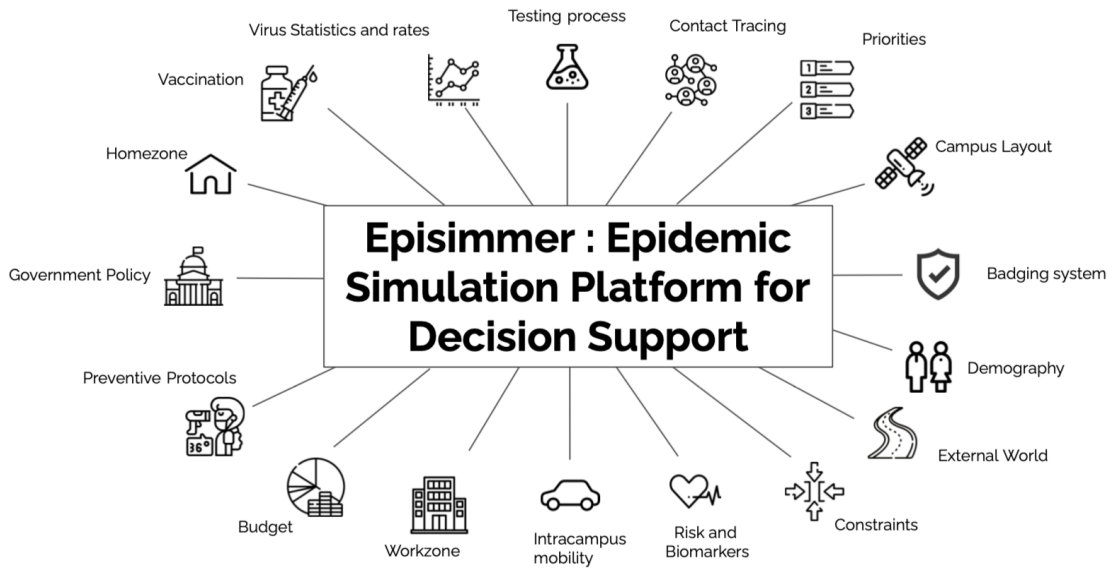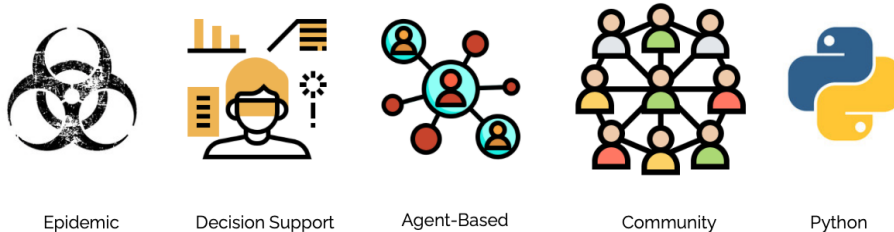# Episimmer Brief



## What is Episimmer?

Episimmer is a standalone component. It is a python based simulator cum decision support system to help your community make decisions during an epidemic.



## Overview

Episimmer is one of if not the most flexible and customisable system for epidemic simulation. It has a variety of features which allows for virtually an infinite amount of data variety, volume and veracity. Episimmer contains unique new capabilities like vulnerability detection and has laid down a framework for research and policymaking alike.

**Uniqueness**

Flexibility    Decision Support    Policy Recommender and Optimizer    Can be used by both Researchers and Policy Makers

**Capabilities**

Compare Strategies    Experiment Ideas    Predict who and what is at risk    Scheduling events and interactions to minimise risk

# What you get

- Access to Episimmer system
- A general Episimmer UI
- On demand a custom UI deployed at a custom web url
- On demand analyst for setup and analysis

# Example questions or decisions one can answer using Episimmer

- Which department should I test or quarantine on priority?
- What if we had offline classes on Monday and Wednesday.
- What if I conduct campus testing every Tuesday and Thursday instead of Monday and Wednesday.
- What if I allowed visitors only on Wednesday
- What if I allowed first year students to enter the library every odd day and second year students every even day
- What if we make the entire class quarantine when a positive case is detected.
- If I need to have 10 lab classes a week. Which labs should I schedule on which day
- What if I sent the entire class home for two days once a positive case is detected.

Contact us at inav@healthbadge.org to schedule a demo or know more.
Here is the link to the episimmer deck.
For more details visit https://github.com/healthbadge/episimmer