

Define the final output: What should the manager receive (e.g., a table of recommended bikes per station, an expected-usage plot)?

- plot showing expected usage at each start location

Outline the high-level steps, from data input to final results. Continue breaking down these steps until each piece is simple enough to be contained in its own function.

- find the estimated rates of arrival
- simulate a day
- optimize placement
- display results

List your functions. For each function include:

- `estimated_arrival_rates()`
 - Estimates the average number of trips taken for each unique station pairing by hour.
 - Inputs: dataframe with sample bike data
 - Outputs: dataframe containing estimated arrival rates
 - `simulation()`
 - `optimize()`
 - `results()`
-
- Inputs (with data types)
 - Outputs (with formats)
 - Short description of its purpose

Draw a function dependency diagram showing the dependence of functions on each other.

