

Input/Output Description of Fixed Seats Model

Input file of code/fixed_seats_model.py:

- A .csv or .xlsx file with 3 columns
 - Feature: name of the classroom feature {'seat', 'aisle', 'door', 'instructor'}
 - X: the x-coordinate of the feature within the classroom
 - Y: the y-coordinate of the feature within the classroom

(seat coordinates are required, the others are optional.)

Output file of code/fixed_seats_model.py:

- A .csv or .xlsx file with 3 columns
 - Feature: name of the classroom feature {'seat', 'aisle', 'door', 'instructor', 'selected_seat'}
 - X: the x-coordinate of the feature within the classroom
 - Y: the y-coordinate of the feature within the classroom

Input file of code/plot_results.py:

- A .csv or .xlsx file with 3 columns
 - Feature: name of the classroom feature {'seat', 'aisle', 'door', 'instructor', 'selected_seat'}
 - X: the x-coordinate of the feature within the classroom
 - Y: the y-coordinate of the feature within the classroom

(seat and selected_seat coordinates are required, the others are optional.)

Output file of code/plot_results.py:

- A .pdf plot of the classroom with
 - Unselected seats (unfilled squares)
 - Selected seats (blue squares)
 - Removed first row (grey squares)
 - Instructor position (red squares)
 - Aisle (yellow squares)
 - Doors (orange squares)