My Presentation
Using Beamer

Joe Bloggs

University of ShareLaTeX
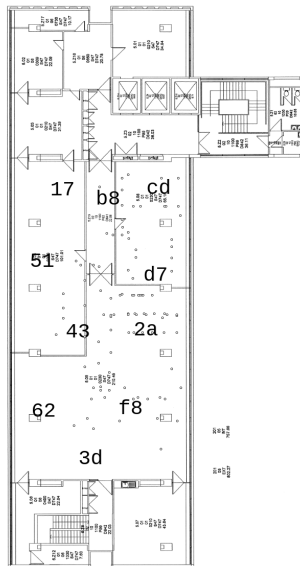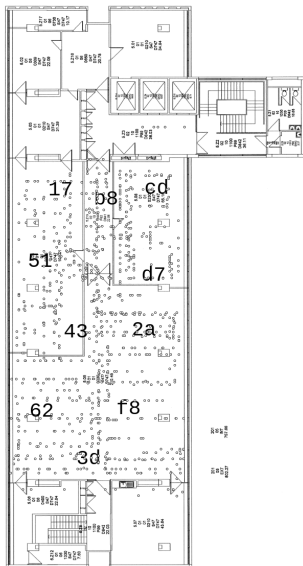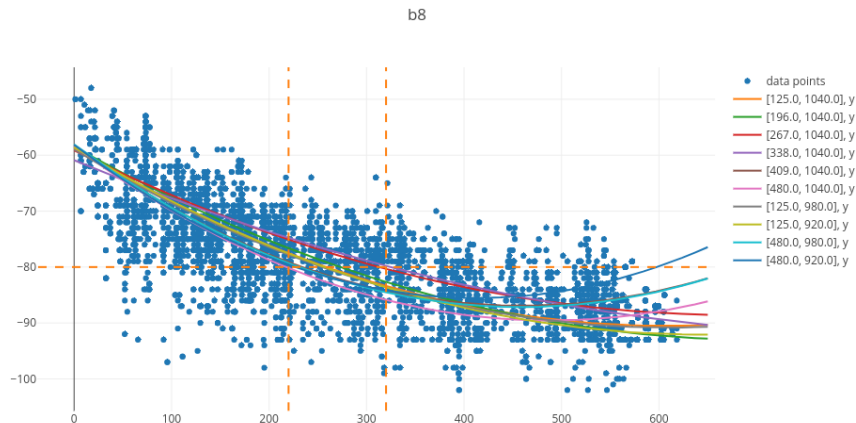
April 25, 2018

Outline

Collected data

b8
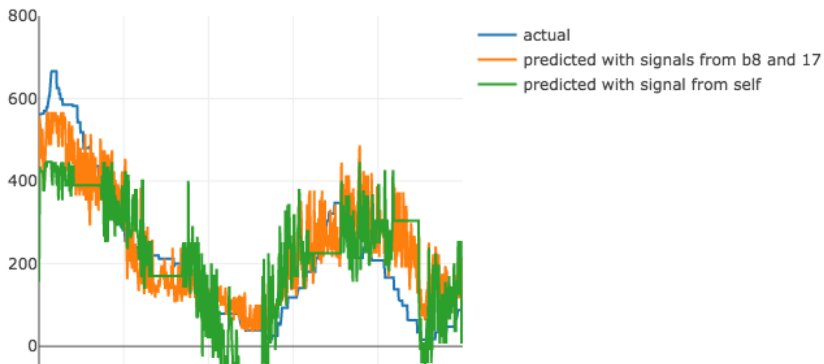
2a

Conversion to/from global coordinates

- We need to convert between global coordinates and pixel coordinates.
- For the tiny area of a building, we can approximate spherical coordinates with Cartesian coordinates.
- We translate the coordinates vectors so that the origin is at the NE corner of the floor, and then perform rotation and scaling by multiply a vector by a 2x2 matrix (or its inverse).
- The conversion matrix was found by taking the global / pixel coordinates of three points and solving a linear equation.

Does free-space propagation model hold?

Idea: trilateration on beacons 17 and b8

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