

Purpose

1. Gain familiarity using mobile computing devices for data collection.
2. Measure and record latitude, longitude, and overall acceleration values while walking outdoors.
3. Use iSENSE to visualize the data and draw conclusions.
4. Tell a story about your data set.

Materials

Android phone or tablet

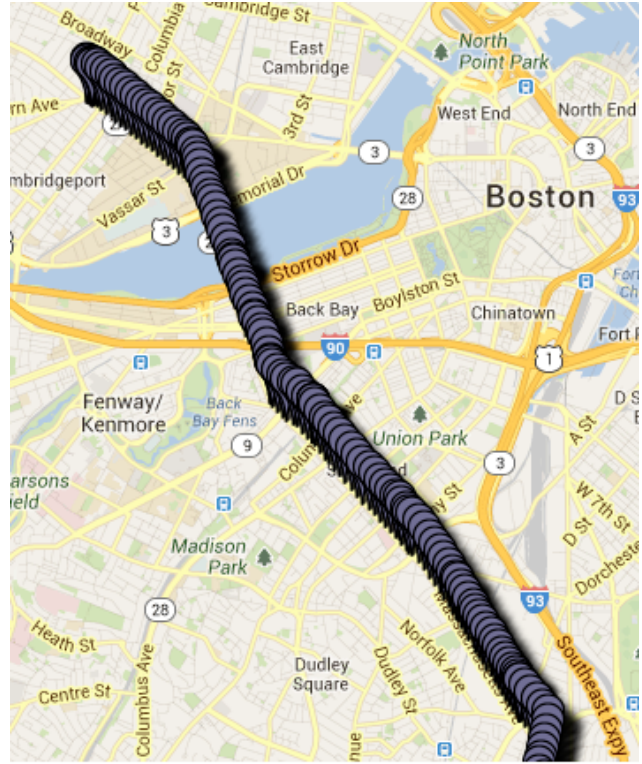
Method

1. Download and install the Data Walk app. Launch the app.
2. From the app, while still connected to wifi, log in using your iSENSE account.
3. Configure app to record every 1 second.
4. Go outside and wait for GPS lock—latitude and longitude displayed at bottom of screen.
5. Press the START button to start recording data.
6. Go for a walk with the app running. Do something interesting during your walk—walk in a shape, run, or hide somewhere!
7. Press the STOP button to stop recording data.
8. Return to a wifi area and upload the data from your walk.



iSENSE Analysis

1. Use the Map and Timeline visualizations to examine your data.
2. Save any visualization that you find particularly interesting.



Discussion Questions

1. How do the acceleration values change over the course of your walk?
2. Do you notice any trends or events in the data that help to tell the “story” of your data walk?
3. What questions might you investigate if you were to repeat this activity?