

# SensorWrite

## Increment 3

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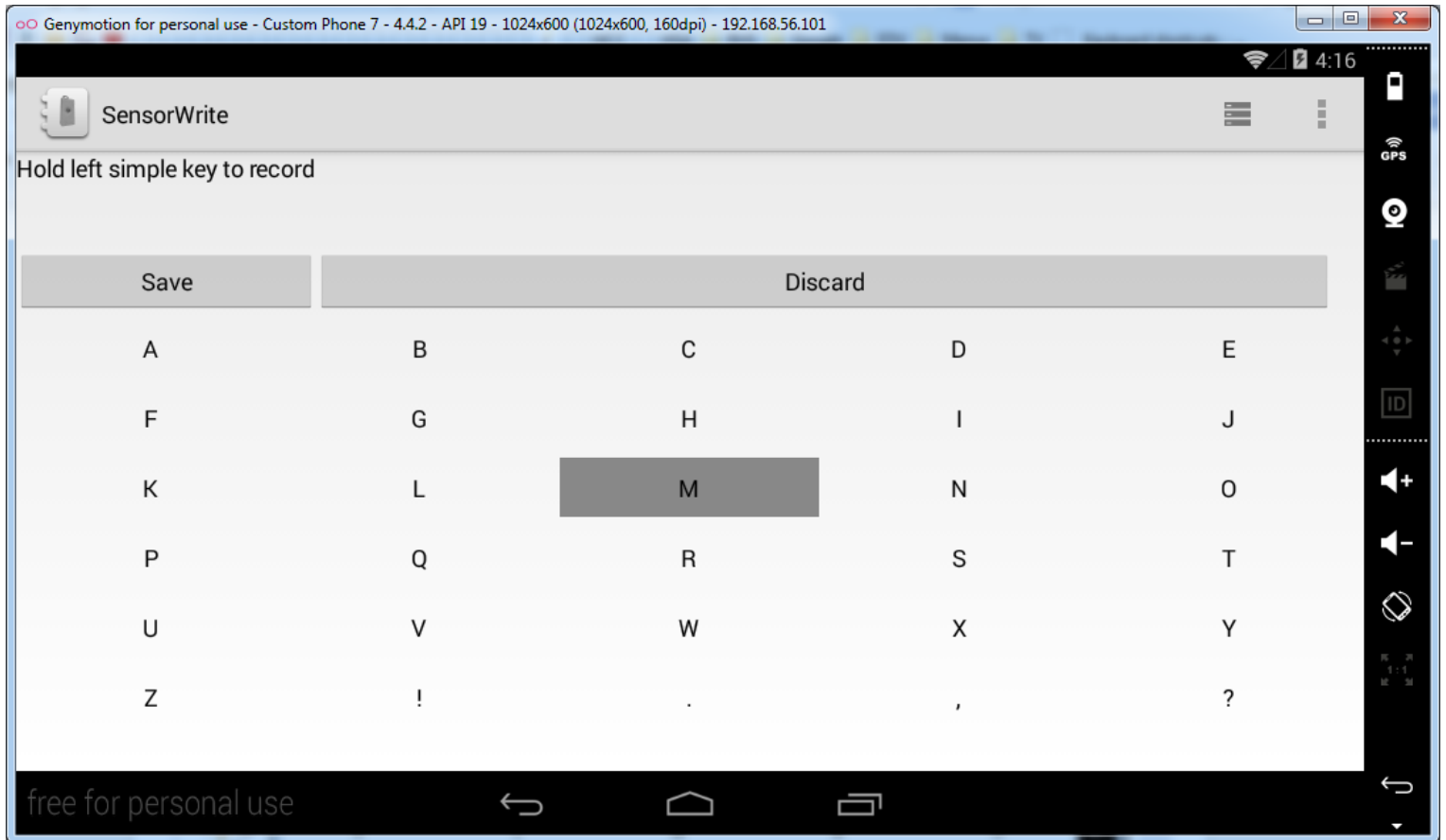
CS 590BD: Big Data Analytics

Dr. Yugyung Lee

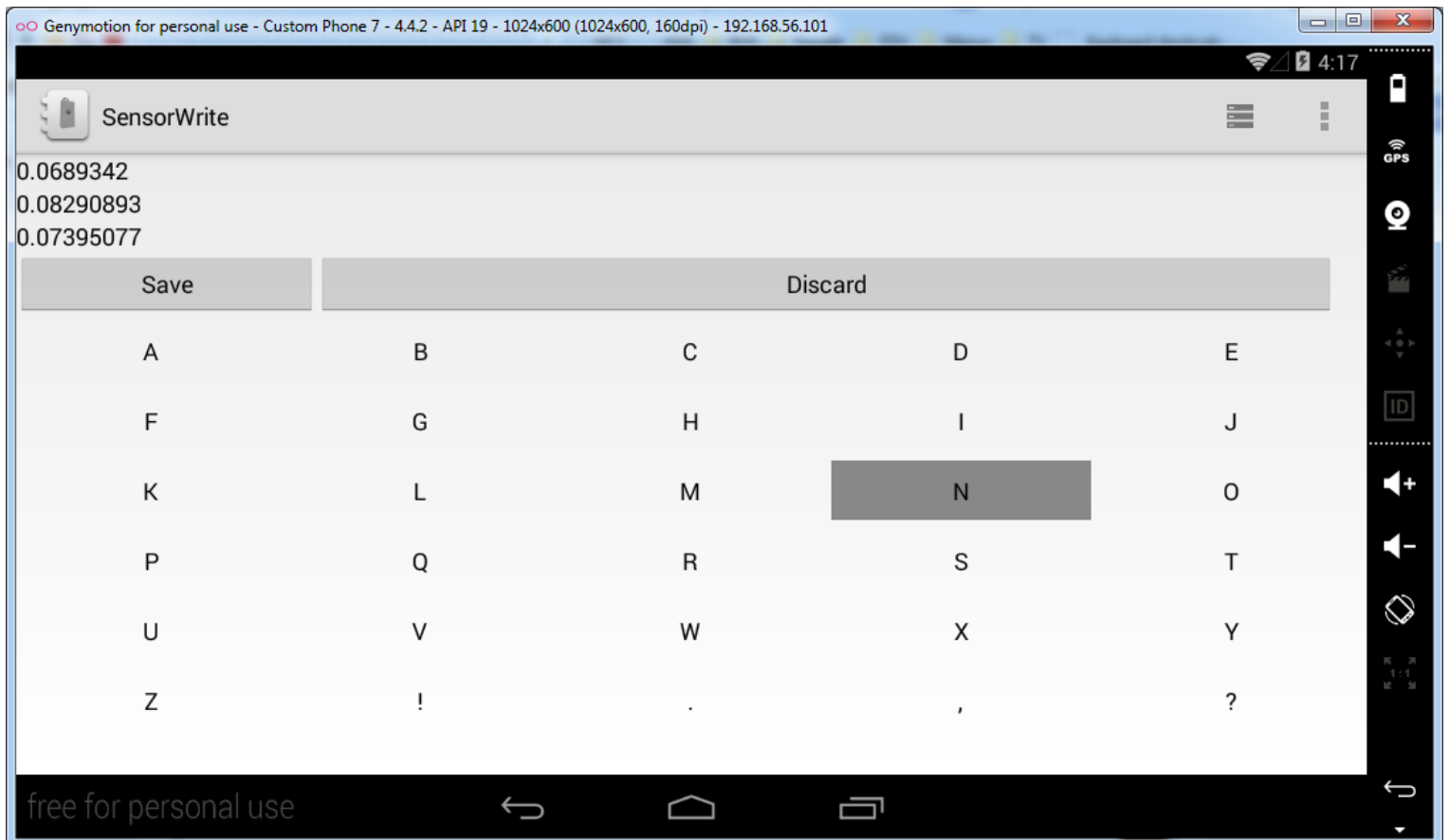
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University of Missouri - Kansas City

Our training data can be entered as such:



In the absence of sensor equipment, triple click the ? character to produce fake training data. Click Save to store it in HBase.



Data in HBase looks like this:

## HBase Browser - Cluster / characters

row\_key, row\_key\_prefix\* + scan\_length, row\_key [family:col1, family2:col2]



lowercase: capital: punctuation: numeric:

Filter Columns/f

everyone

| capital: O | capital: M  | capital: L | punctuation: !  | capital: H  |
|------------|---|------------|---|---|
| 000        | 1405135526308 0.27871168<br>0.7847531 0.791<br>791141405135526308 0.309<br>5712 0.5682821 0.880<br>111161405135526308 0.446<br>98185 0.5976505 0.683<br>648614051355... | 54twf      | 1405135777878 0.26038677<br>0.26791155 0.281<br>88628140513577879 0.237<br>81222 0.25178695 0.073<br>1653140513577879 0.108<br>63954 0.09968138 0.021<br>924794140... | 1405135636278 0.91220945<br>0.48792374 0.070<br>402981405135636278 0.783<br>02604 0.1578486 0.262<br>56561405135636278 0.272<br>09693 0.022071838 0.951<br>997461405... |

james



Filter Column Names/Family

| capital: N  |
|---|
| 1405138624320 0.65841824<br>0.66907847 0.683<br>053141405138624320 0.991<br>57125 0.005545914 0.018<br>445671405138624320 0.942<br>12234 0.95323044 0.967<br>2051140... |

Our app is ready to train unique data for individual users. Our data can be isolated by row.

We must begin working on machine learning techniques to make sense of the data we capture.