

SensorWrite

Increment 3

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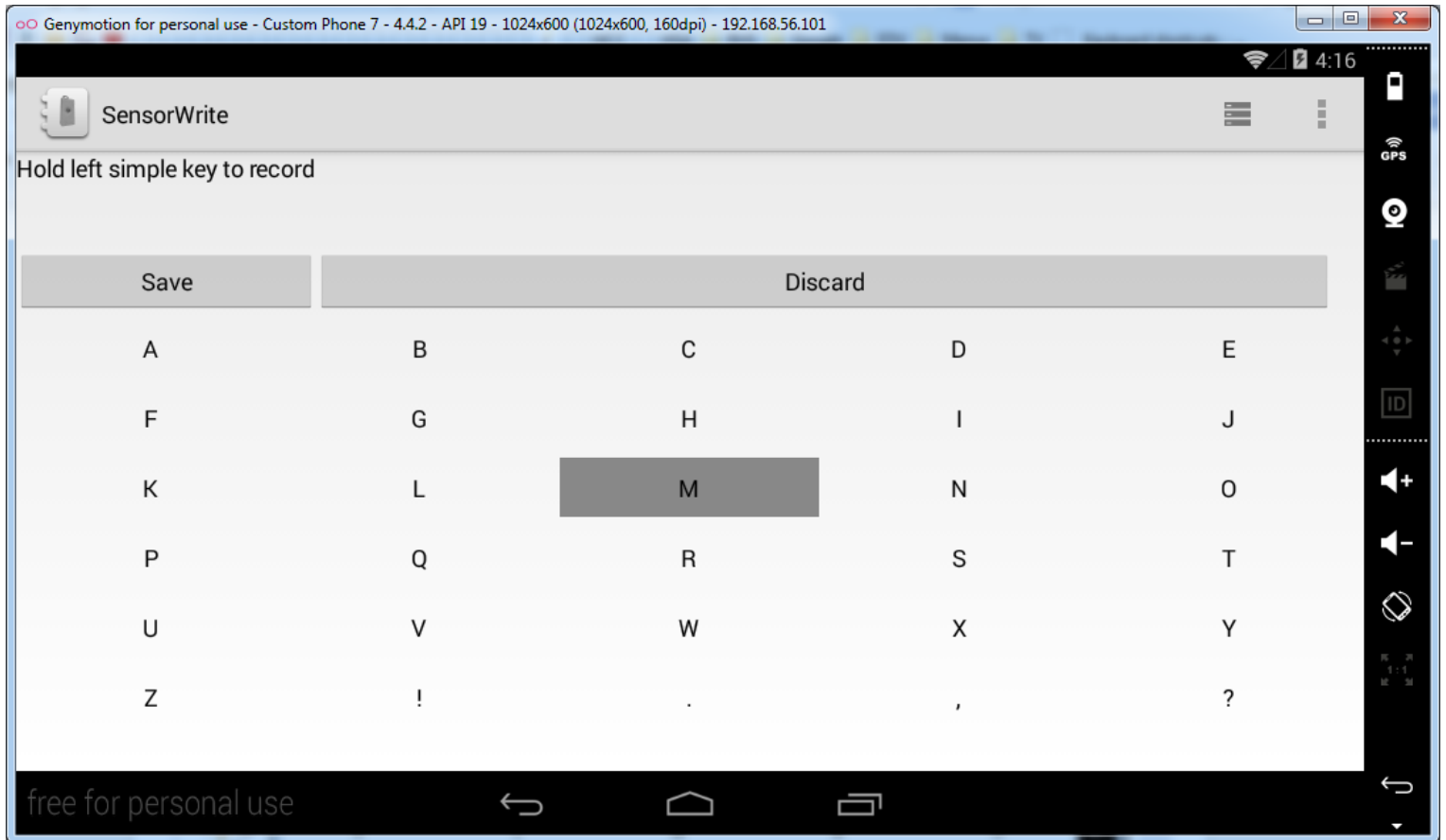
CS 590BD: Big Data Analytics

Dr. Yugyung Lee

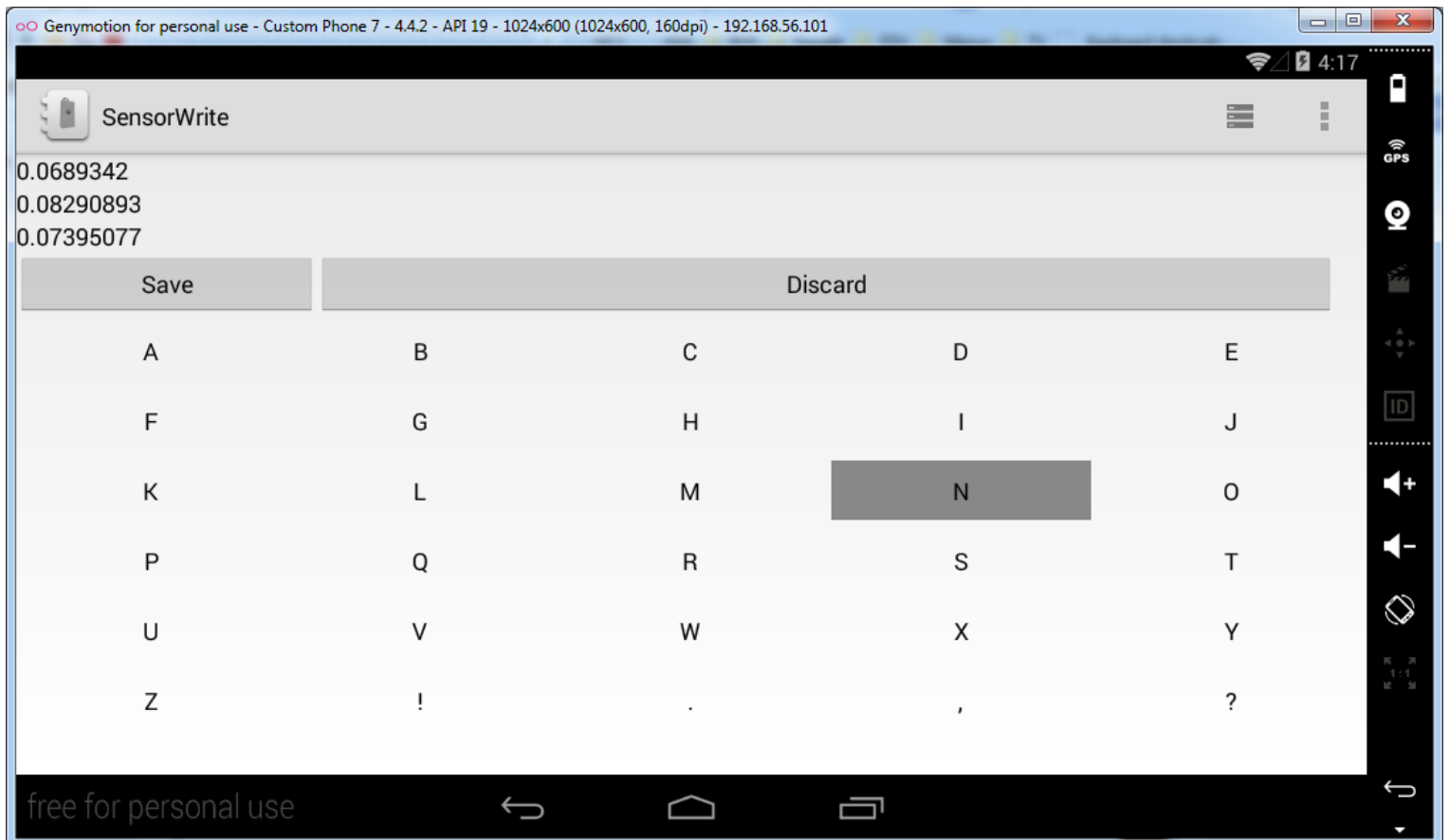
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Our training data can be entered as such:



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 0.7847531 0.791 791141405135526308 0.309 5712 0.5682821 0.880 111161405135526308 0.446 98185 0.5976505 0.683 648614051355...	54twf	1405135777878 0.26038677 0.26791155 0.281 886281405135777879 0.237 81222 0.25178695 0.073 16531405135777879 0.108 63954 0.09968138 0.021 924794140...	1405135636278 0.91220945 0.48792374 0.070 402981405135636278 0.783 02604 0.1578486 0.262 56561405135636278 0.272 09693 0.022071838 0.951 997461405...

james



Filter Column Names/Family

capital: N
1405138624320 0.65841824 0.66907847 0.683 053141405138624320 0.991 57125 0.005545914 0.018 445671405138624320 0.942 12234 0.95323044 0.967 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.