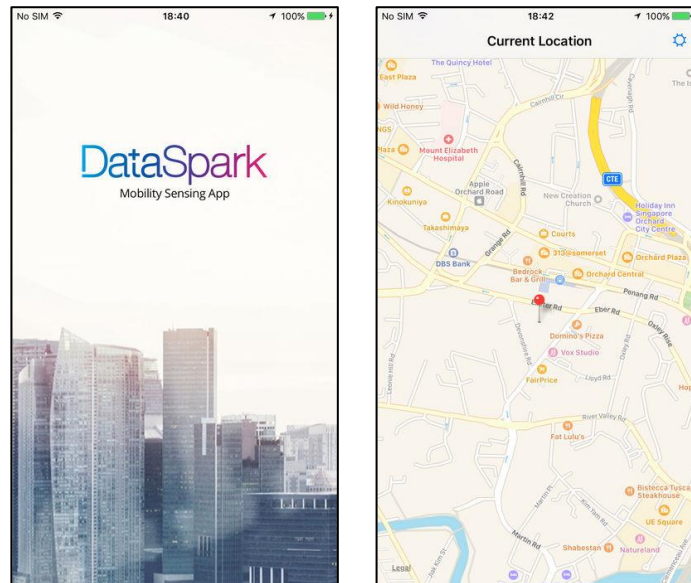


DATASPARK CHALLENGE

01.112 MACHINE LEARNING (2017)

OBJECTIVE

We will be collecting GPS data using an app from DataSpark, and analyzing the data in Homework 3 using methods from clustering and classification.



DATA

The data collection period will be as follows.

Start date. 18 Sep 2017

First collection. 9 Oct 2017

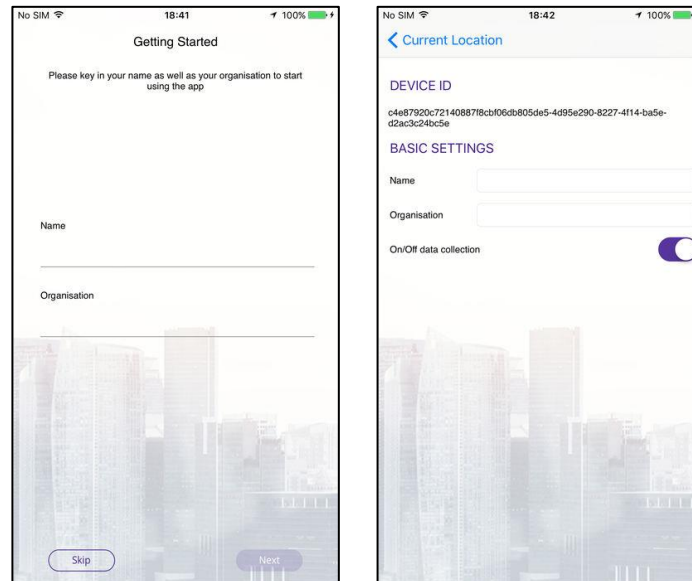
Final collection. 16 Oct 2017

The data collected from the app will be anonymized before we share it with the class. Below is a sample of the information that will be shared. The data will also be used by the DataSpark team for improving their location analytics services. Other than that, your data will not be shared with anyone else.

Time	Upload No.	User ID	Device ID	Accuracy	altitude	direction	Lat	Long	speed
9/12/2017 19:53	5	sO7nokenNA	6351e33ac9fffa7	319.1712	15.83698	-1	1.32241	103.9226	-1
9/12/2017 19:53	5	sO7nokenNA	6351e33ac9fffa7	200	15.66199	78.22044	1.32293	103.9227	18.3296
9/12/2017 19:54	5	sO7nokenNA	6351e33ac9fffa7	50	-24.7557	81.21094	1.323209	103.9237	16.76

OPT-OUT

If you are concerned about the privacy of your data, you are welcome to opt out of the data collection portion of this challenge without penalty to your homework grade. If you download the app, you will be giving DataSpark the permission to use your data for research. After your download the app, there will also be an option to turn off/on the data collection at any time.



NEXT STEPS

The app is only available for Apple and Android phones. Please download the app using the links below.

<https://itunes.apple.com/us/app/ds-sense/id1254983745?mt=8>

<https://play.google.com/store/apps/details?id=com.dataspark.dsmobilitysensingdemo>

After installing the app, please sign up using “SUTD01112” as the organization, so that the DataSpark team may extract our data at the end of the study. If you made a mistake, the organization can also be changed in the app settings. You do not need to use your real name in the app.

After starting the app, it will start collecting your location data in the background. This might drain your phone battery slightly. If there are any problems, please inform the instructors or TAs.