Kristianstad University
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Preparation regarding the Practical Laboration ML II – Recording App

During the lab we will do some machine learning experiments using your own recorded data.

Needed Packages

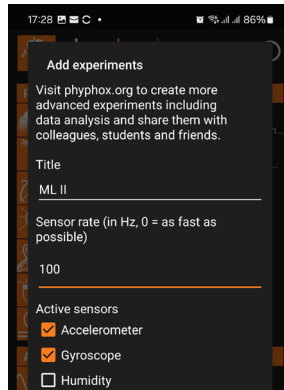The following packages is needed for the lab:

- Numpy
- Pandas
- Tensorflow
- Keras
- Seaborn
- Matplotlib
- Scikit-learn
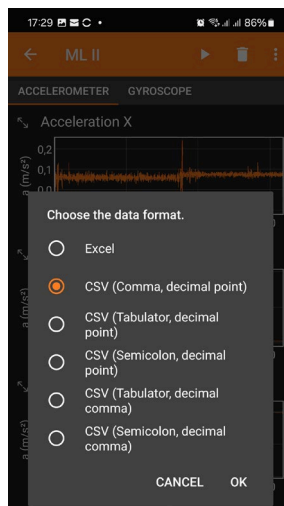- Statsmodels

Data Acquiring Software

The app *Phyphox* app (https://phyphox.org/) available at Google play has proven to work for this practical. There exist other similar apps and also apps for the Iphone. The icon of the app is shown below.

The app needs to be able to record different sensordata from the mobile phone that accelerometer data and rategyro data. You can choose which sensors to record and the sample time by pressing the +-sign in the lower right corner and choose accelerometer and rategyro. Set the sampling frequency to 100 Hz.

Then store the data in a *.csv-file.

You need to be able to transfer the data from the phone to the computer where you are running the ML-software.