Indoor vs Outdoor Classification tasks
Idea: use GPS information to determine participant's location
Requirement: have more features, and data could be accessed by users;
    NMEA would be a good source if we could access through mobile apps

Device type: iOS

Attempted software:
- **Eos Tools Pro** by *Eos Positioning Systems*
    o Never successfully load the page
- **GNSS Analyzer** by *NEC Corporation*
    o Didn't have a paired GPS receiver (could get one free from Japan though)
- **GNSS Status** by *Trimble Inc*.
    o Always displaying that "the connected source is not configurable" for GNSS an NMEA
- **GpsGate Tracker** by *GpsGate AB*
    o Need a windows/ PC local server to process data
    o Haven't tried officially and have no idea which data is available
- **Tracker for ArcGIS** by *ESRI*
    o Need to pay for an account
    o Didn't really open and try the service
- **ArcGIS Indoors** by ESRI
    o Same as the above
- **GPS Tools** by *VirtualMaze*
    o Cannot generate data file
- **Bad Elf GPS** by *Bad Elf, LLC.*
    o Didn't have a paired GPS receiver
- **GPS Plan** by *Hiroaki Yamada*
    o Cannot generate data file
- **GPS Status** by *Fawkes Wei*
    o Cannot generate data file
- **MyRadar NOAA Weather Radar** by *Aviation Data Systems*
    o The data offered wasn't relevant
- **GPS 2 IP** by *Capsicum Dreams*
    o Cannot generate data file
- **TcpGPS** by *Aplitop*
    o Complicated configuration
    o Cannot generate data file
    o Inconsistent recording
- **Harry's GPS/OBD Buddy** by *Harald Schlangmann*
    o Cannot generate data file
    o Some features needs to use add-ons
- **NMEA Gps** by *Alessandro Trebbi*
    o Erroneous display and never show useful data

Current used software:
- **GPS Tracker** by *Navigation*
  o Lat/lon/alt/horizontal acc/vertical acc/speed / course
  o Use horizontal acc, vertical acc, and speed to help classify the status of the user
  o Cons: unstable sampling rate, unstable acc, wrong time zone (adjusted manually afterwards)
  o

Device type: Andriod

Attempted software:
- **GPS status** by
  o Never successfully load the page
- **GPS NMEA** by
  o Raw NMEA sentences
  o Inconsistent recording (could cut self occasionally)
  o Hard to interpret
- **GPS Test** by.
  o Cannot access data
  o No continuous data
- **GPS Data**
  o Cannot record continuous data
- **GPS Logger**
  o Can record continuous data
  o Can export data file
  o Sampling rate stable
  o Leave blanks sometimes
  o Multiple features available
- **GPS Test** by Chartcross Limited
  o Cannot export data