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

Current used software:

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