

Stalking Myself

1. Stalking and Data Collecting

Stalking started on 7th of January, by using Android application My Tracks.

It lasted for 6 weeks and included only walking.

Longitude, Latitude, Altitude, Speed, Date and Time were stored for each route/day.

Data gathered by application was exported as .csv files, imported in Excel/Pages and joined together.

After inserting file into Grasshopper, additional cleaning of the text was required.

| shifting unnecessary lines from the list

| listing only the legend

| making lists for all the points

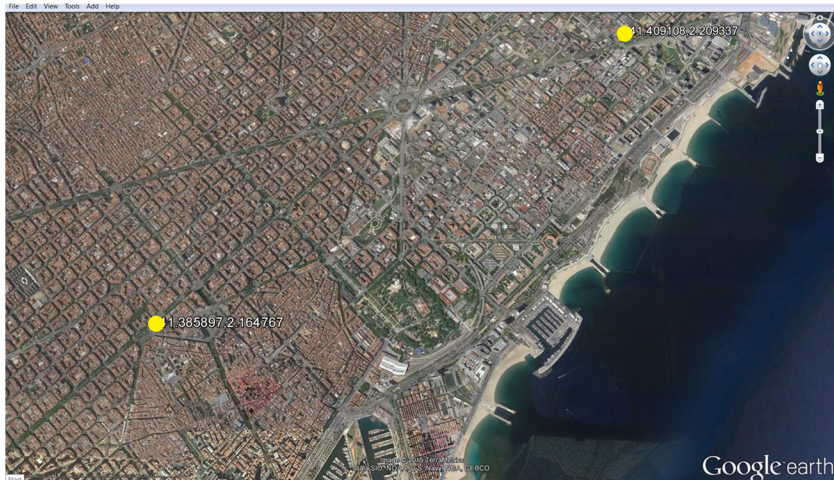
| | {0;0;0} | | {0;0;0;0} | | {0;0;0;0;0} | | {0;0;0;0;0;0} | | {0} |
|---|-----------------------------------|---|------------------------------|---|------------------------------|----|--------------------------|----|----------------|
| | 07.01. | 0 | ,,,,,,,, | | Сегмент, Тачка, Географска | 0 | Сегмент | 0 | 1 |
| | I, ходање, ,, | | Сегмент, Тачка, Географска | | ширина | 1 | Тачка | 1 | 1 |
| | ,,,,,,,, | | ка ширина | | (степени), Географска дужина | 2 | Географска ширина | 2 | 41.396884 |
| 1 | Сегмент, Тачка, Географска ширина | | (степени), Географска дужина | | (степени), Надморска висина | 3 | Географска дужина | 3 | 2.194364 |
| | (степени), Географска дужина | | (степени), Надморска висина | 0 | (степени), Прецизност | 4 | Надморска висина (м) | 4 | 2015-01- |
| | (степени), Надморска висина | 1 | (м), Правац | | (м), Брзина | 5 | Правац | 5 | 07T15:42:08.76 |
| | (м), Правац | | (степени), Прецизност | | (м/с), Време, Снага | 6 | Правац (степени) | 6 | 4Z |
| | (степени), Прецизност | | (м), Брзина | | (W), Каденца | 7 | Прецизност (м) | 7 | <empty> |
| 2 | (м), Брзина | | (м/с), Време, Снага | | (обртаја у минути), Пулс | 8 | Брзина (м/с) | 8 | <empty> |
| | (м/с), Време, Снага | | (W), Каденца | | (откуцаја у минути) | 9 | Време | 9 | <empty> |
| | (W), Каденца | | (обртаја у минути), Пулс | | | 10 | Снага (W) | 10 | {1} |
| | (обртаја у минути), Пулс | | с (откуцаја у минути) | | | 11 | Каденца | 11 | 0 1 |
| | с (откуцаја у минути) | | 1, 1, 41.3968 | | | | (обртаја у минути) | | 1 2 |
| | 1.1.41.3968 | 2 | 84, 2.194364 | | | | Пулс (откуцаја у минути) | | 2 41.396884 |
| | | | , 56.6657867 | | | | | | 3 2.194364 |
| | | | 4, , 8, , 2015- | | | | | | 4 52.40000534 |
| | | | | | | | | | 5 <empty> |
| | | | | | | | | | 6 12 |
| | | | | | | | | | 7 <empty> |

Underlay map with two reference points was imported in Rhino, and related to GEO Coordinates using gHowl in Grasshopper.

First map exported from Google Earth was showing big displacements with coordinates recorded on application. For that reason, reference points were then picked from Google Maps, and showed much better results in terms of accuracy of paths in map and from recordings.

Data was visualized by annotating geo points as xyz points by drawing rectangle meshes and coloring them to extract information out of GPS tracking.

Underlay Map from Google Earth, with two marked points [showing not accurate results with recording from My Tracks]



Underlay Maps from Google Maps, with one marked point each [showing accurate results with recording from My Tracks]

