Visualising and Analysing Running Tracks

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Tuesday, March 31, 2015

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
require(RunningStats)
```

```
## Loading required package: RunningStats

## Warning: package 'RunningStats' was built under R version 3.1.3

## Loading required package: trajectories
## Loading required package: spacetime
## Loading required package: OpenStreetMap
## Loading required package: rJava

## Warning: package 'rJava' was built under R version 3.1.2

## Loading required package: raster
## Loading required package: sp
## Loading required package: rgdal
## rgdal: version: 0.9-1, (SVN revision 518)
## Geospatial Data Abstraction Library extensions to R successfully loaded
## Loaded GDAL runtime: GDAL 1.11.0, released 2014/04/16
## Path to GDAL shared files: C:/Users/Simon/Documents/R/win-library/3.1/rgdal/gdal
## GDAL does not use iconv for recoding strings.
## Loaded PROJ.4 runtime: Rel. 4.8.0, 6 March 2012, [PJ_VERSION: 480]
## Path to PROJ.4 shared files: C:/Users/Simon/Documents/R/win-library/3.1/rgdal/proj
## Loading required package: ggplot2

## Warning: package 'ggplot2' was built under R version 3.1.3

## Loading required package: plotKML
## plotKML version 0.4-5 (2014-07-30)
## URL: http://plotkml.r-forge.r-project.org/
## Loading required package: signal

## Warning: package 'signal' was built under R version 3.1.2

##
## Attaching package: 'signal'
##
## The following object is masked from 'package:raster':
##
```

```
##     resample
##
## The following objects are masked from 'package:stats':
##
##     filter, poly
##
## Loading required package: ggmap

## Warning: package 'ggmap' was built under R version 3.1.2

## Loading required package: rjson

## Warning: package 'rjson' was built under R version 3.1.2
```

```
## Import
ddir1 <- "dat/2014-08-14-Running.gpx"
ddir2 <- "dat/2015-02-01-Running.gpx"

Tr1 <- getTr(ddir1)
Tr2 <- getTr(ddir2)
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.