Visualising Spatial Data in QGIS

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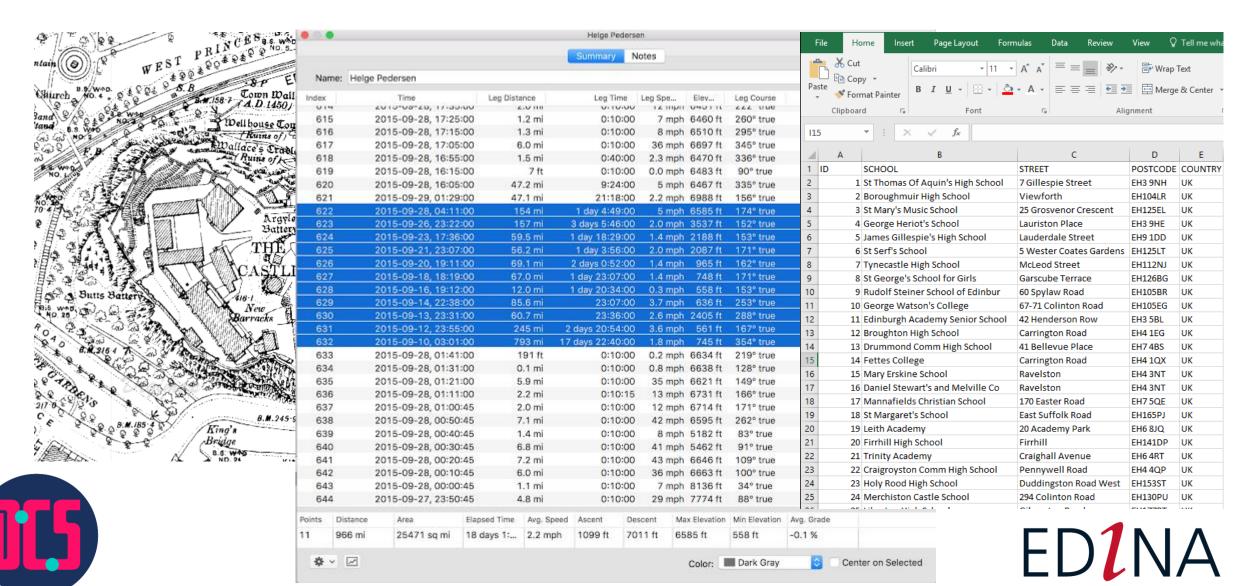
Introduction

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What is Spatial Data?



What is GIS?

"A geographic information system (or GIS) is a system designed to capture, store, manipulate, analyse, manage, and present spatial or geographic data." Wikipedia 2017.

"GIS can show many different kinds of data on one map. This enables people to more easily see, analyse, and understand patterns and relationships." National Geographical Society 2016.

Essential Components: Database for storing data, Tools for capturing and creating data, Tools for analysing data, Tools for graphically representing the data, and Tools for outputting the data.





What is QGIS?

- Free OpenSource GIS Software
 - http://qgis.com/
- Functionally comparable to commercial GIS.
- Community of developers to core code and added functionality plugins.

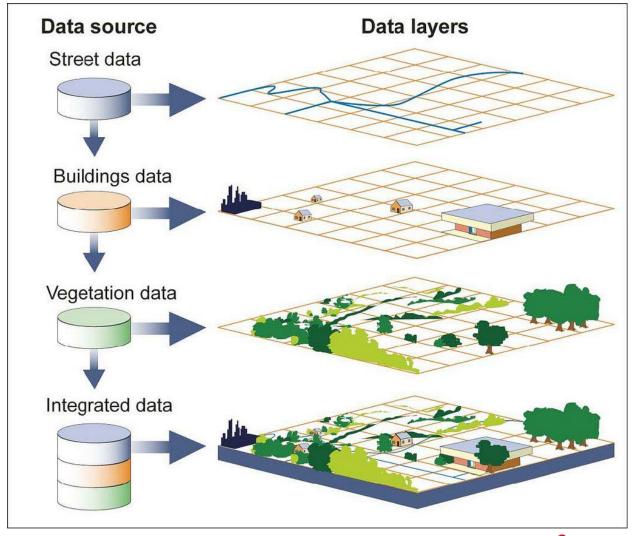






Making Spatial Data

- Collecting in the field
- Georeferencing data
- Processing existing data







Practical 1

- Visualising data using Heatmaps
- Using TimeManager (animating data showing change over time)





Practical 2

- Visualising data in 3D
- Create a 3D scene of George Square





Feedback Questionnaire

bit.ly/36WYJkV



