City Research Online

City St George's, University of London

Citation: Slingsby, A., Wood, J. & Dykes, J. (2010). Treemap Cartography for showing Spatial and Temporal Traffic Patterns. Journal of Maps, 6(1), pp. 135-146. doi: 10.4113/jom.2010.1071

This is the unspecified version of the paper.

This version of the publication may differ from the final published version. To cite this item please consult the publisher's version.

Permanent repository link: https://openaccess.city.ac.uk/id/eprint/419/

Link to published version: https://doi.org/10.4113/jom.2010.1071

Copyright and Reuse: Copyright and Moral Rights remain with the author(s) and/or copyright holders. Copies of full items can be used for personal research or study, educational, or not-for-profit purposes without prior permission or charge, unless otherwise indicated, provided that the authors, title and full bibliographic details are credited, a hyperlink and/or URL is given for the original metadata page and the content is not changed in any way. For full details of reuse please refer to City Research Online policy.

City Research Online: http://openaccess.city.ac.uk/ publications@citystgeorges.ac.uk

Treemap Cartography for Showing Spatial and Temporal Traffic Patterns

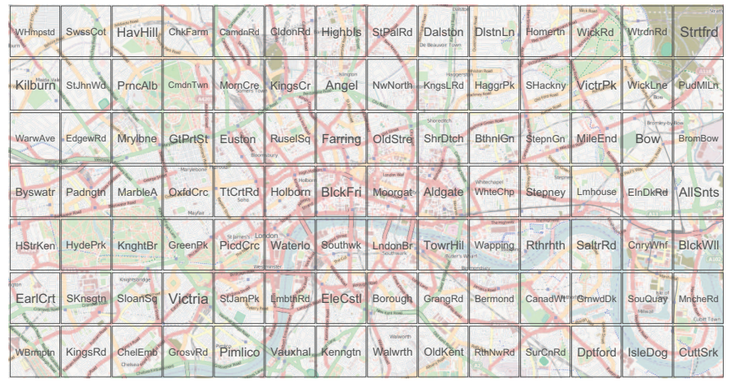
One year of courier traffic in London

Aidan Slingsby, Jo Wood, Jason Dykes

giCentre, Department of Information Science, City University London

http://gicentre.org/treemaptraffic/

Spatial (1km grid squares)

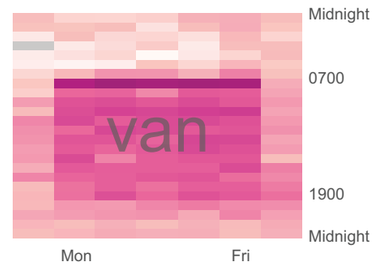


Vehicle type

Arranged consistently for each grid square

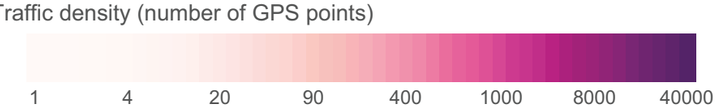
Temporal (calendar views)

Sun-Sat (columns) and midnight-midnight (rows) for each vehicle type.

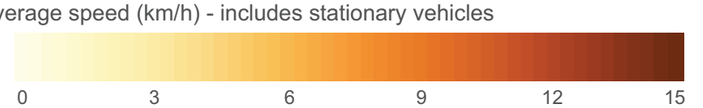


Traffic density and average speed

Traffic density (number of GPS points)



Average speed (km/h) - includes stationary vehicles



Grey indicates no data.

Traffic data are for June 2006 to May 2007 and are obtained from from http://api.ecourier.co.uk/. Densities and average speeds calculated 42.2 million GPS points. The London map is from http://www.openstreetmap.org/. Colour schemes from http://colorbrewer.org/ ('RdPu' and 'YlOrBr').

Designed for printing at A3 or larger. © Journal of Maps, 2010.