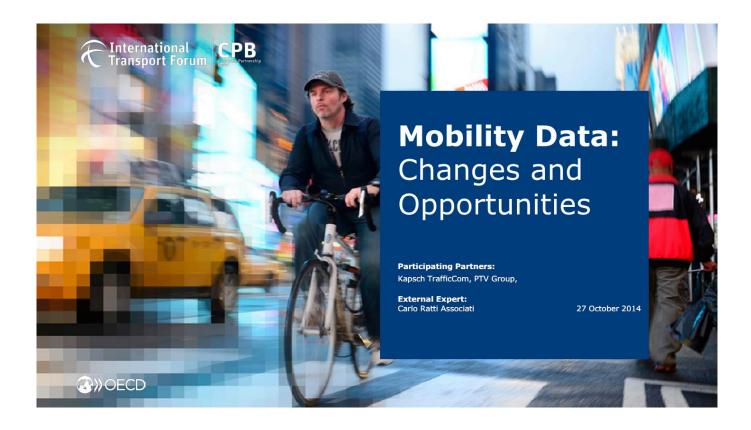


THE PROJECT



http://internationaltransportforum.org/cpb/projects/mobility-data.html

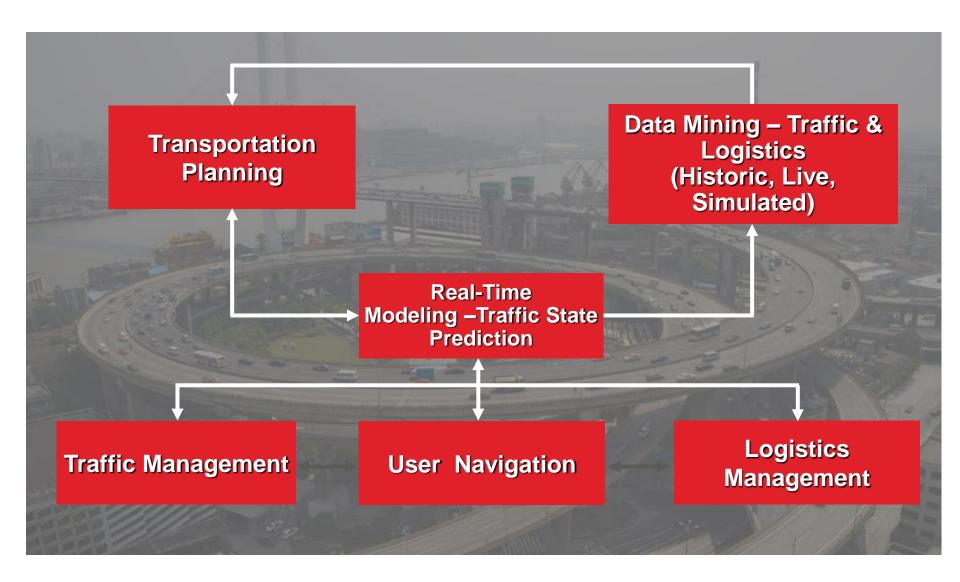


BIG DATA AND TRANSPORT PLANNING AND OPERATIONS

Traffic operations, transport planning and safety are areas where authorities must critically evaluate where and how new, or newly available data and data-related insights, can improve policy and day to day operations.



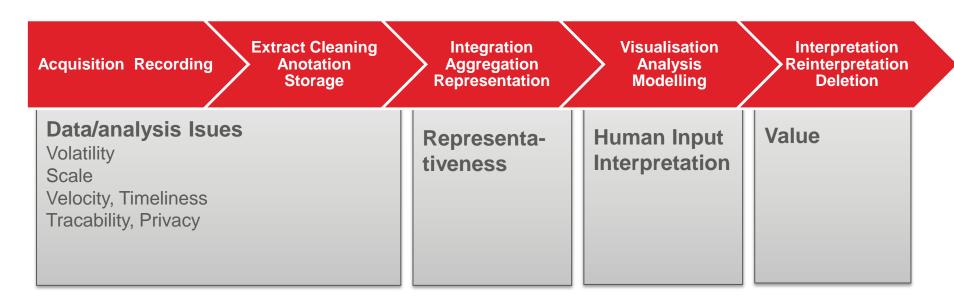






THE DATA PROCESS

Extracting insight from big data is not trivial. The big data pipeline spans from the collection of data, its preparation for storage and analysis, its integration with other sources, modelling, visualisation and analysis to its interpretation, archiving or deletion





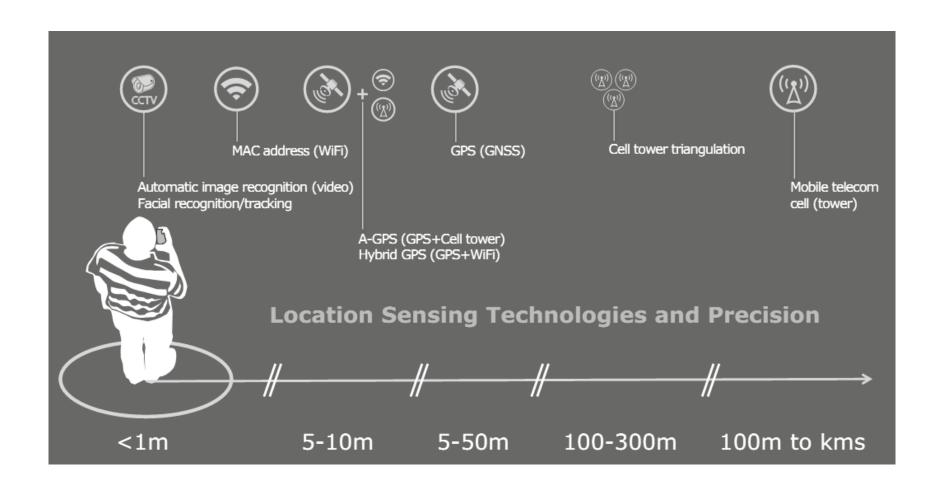
Big data has not done away with the need for statistical rigor since big data is not only prone to many of the same errors and biases in smaller datasets, it also creates new ones



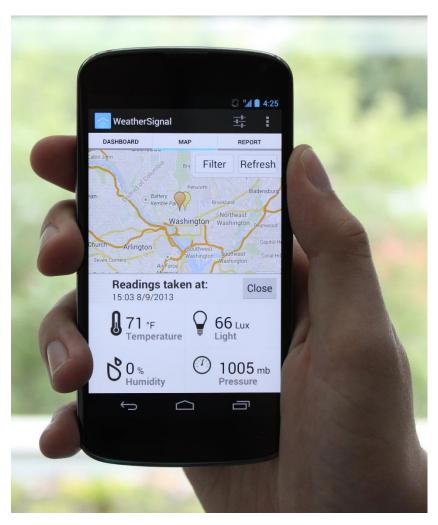
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DATA FUSION ... NEW INSIGHTS, NEW OPPORTUNITIES AND NEW THREATS







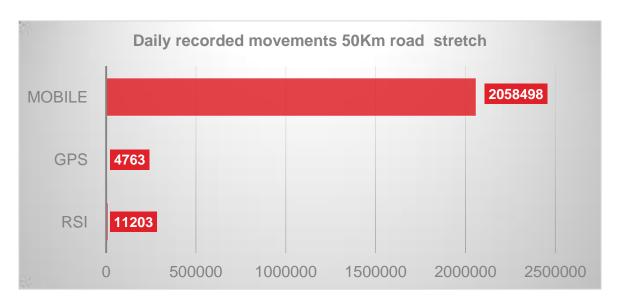




SO WHY DO WE NEED BIG DATA

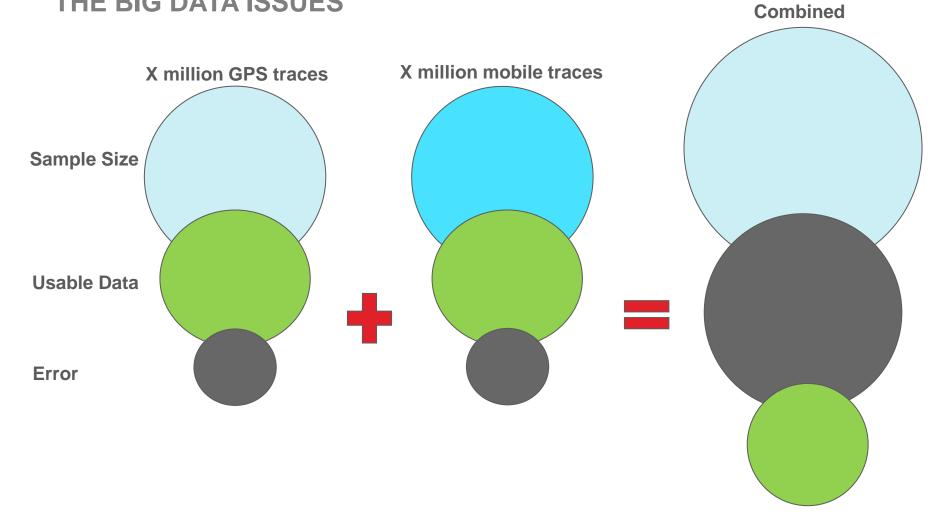
Minutes from a project evaluation meeting:

"There are 25,968 observed person movements from the RSI data (12 hour survey). The model has 66,209,592 PA movements (24 hour). A simple calculation shows that 0.04% of the movements in the demand model are observed and 99.96% are synthesised."





THE BIG DATA ISSUES

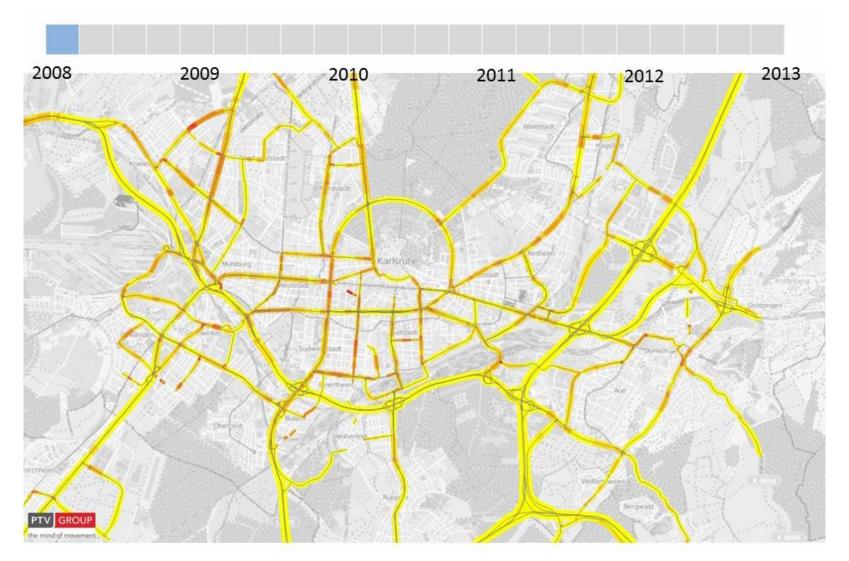




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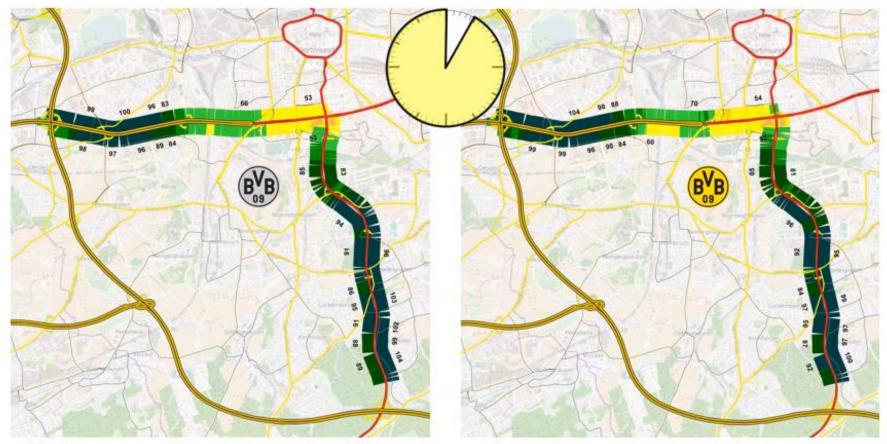
BIG DATA IN TRANSPORT PLANNING





EFFECT OF BORUSSIA DORTMUND HOME MATCHES MADE WITH VISUM DATA ANALYTICS POWERED BY





Saturdays without Home Match

Saturdays with Home Match



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BIG DATA SAFETY AND TRANSPORT PLANNING

