

data is an essential resource for economic growth, job creation and societal progress.

"Transportation is among the top barriers to managing a successful city in the developing world.

It's the thing you have to get right if you're going to be able to do anything else, and we've just deployed **the best transportation sensing network in the history of mankind**, completely by accident."

- he is referring to mobile phones.

Anthony Townsend, senior research scientist at the Rudin Centre for Transportation Policy and Management at New York University



BIG DATA IS THE 'NEW OIL'...

Privacy (GDPR Compliance) & Data Security Policies are the governing functions at the heart of any DATA SOLUTION.

OPPORTUNITY



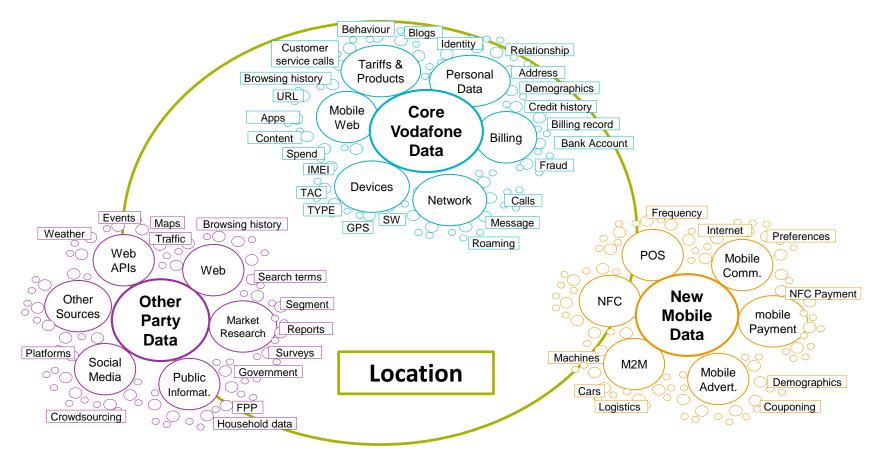
EAST TEXAS OIL FIELD

RISK



DEEPWATER HORIZON

WHAT'S IN THE TIN



Improving the core business with data and analytics unlocks significant business value and new revenue

CORE BUSINESS VALUE

Taking data to operations

Improved performance driven by cross-functional initiatives across the core business:

- CVM
- Cost Optimisation
- Fraud Reduction
- Network Optimisation
- Customer operations & Retail Strategy

NEW PRODUCTS

DISTRIBUTION & LICENCING

Data Services to Customers

Data via 3rd parties

Vodafone Location Insight

New products and services:

- Mobile Identity
- Footfall Analytics
- DoC
- IoT analytics
- Usage based insurance
- Connected Home

Partnerships to resell insights:

- Mott MacDonald
- Citi Logik
- TomTom

KPI uplift 18 - 24 months

Revenue uplift 24->36 months @50%EBITDA

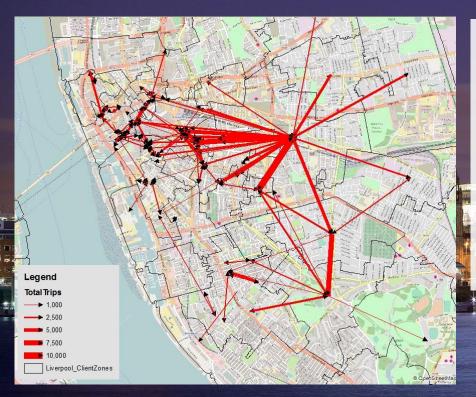




LIVERPOOL CITY CENTRE - CONGESTION STUDY



Liverpool City Council wanted to understand travel patterns to and from Liverpool City Centre.

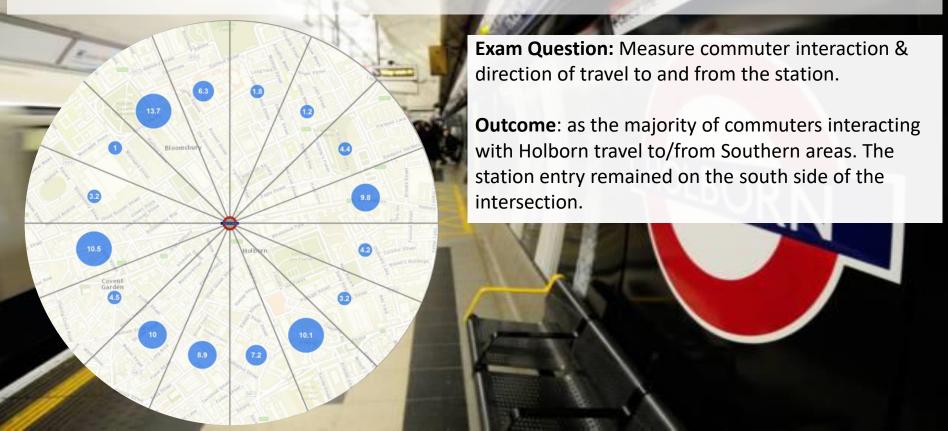


Exam Question: understand routes and modes of transport, including assessing how travellers reach their end destination from the various car parks and rail stations in and around this urban environment.

Outcome: congestion is caused by people trying to reach the car parks in the city centre. By changing car park locations, re-routing, or providing alternative parking / park-and-ride / public transport options, congestion in the City Centre would be greatly reduced.

LONDON UNDERGROUND – PEDESTRIAN STUDY

London Underground wanted to redesign the Holborn Tube Station to meet the demands of commuters and reduce the number of people crossing the road.



UPDATING THE CENSUS

ONS (Office for National Statistics) is exploring the potential for aggregated anonymised mobile network data to better inform national policy making.

The short term goal is to showcase how new sources of data can support the statistical community and ultimately unlock new capability and insights for all of us.

ONS aims to use these data sources more frequently to augment or potentially even replace existing approaches.

https://www.ons.gov.uk/methodology/methodologicalpublications/generalmethodology/onsworkingpaperseries/onsmethodologyworkingpaperseriesno8statisticalusesformobilephonedataliteraturereview





