Integration of journey times information to support Census 2021 & Census Rehearsal 2019

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The Census

- Rehearsal 2019
- Census 2021
- Field Officers have vital role
- Split in to coordinator areas
Why Use Network Analysis?

2011 Census
Creation of the Network

OS Highways Network

ESRI UK Data Loader

Models & scripts

Format existing fields

Create new fields

Road junctions

Diagram showing the process of creating a network with steps involving data import and field creation.
Custom Geographies

Highways Network

Base Geography

Road Connectivity Matrix

Boundaries of areas

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Travel distances between postcodes

Postcode Points
Highways Network
Coordinator areas

Travelling Sales Person (TSP)

Travel distances

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Optimum Starting Points

- Output Area Centroids
- Highways Network
- Response Rates

Maximum Capacitated Coverage

Selected Output Areas

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Postcode Effort Calculations

- Admin Time
- Interview Time
- Postcode sample (points)
- Highways Network
- OA classification
- Travelling Sales Person & New Route
- Effort Score
Next Steps…

• Volume Testing for 2021
• Scale up processing
Any Questions…