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Putting the 'Smart' in Smart Ticketing: Developing Insight from Barcode Scan Data

Past Establishing Smart Ticketing

Present

Ps Pr Ae

Developing Barcode Insight

Future

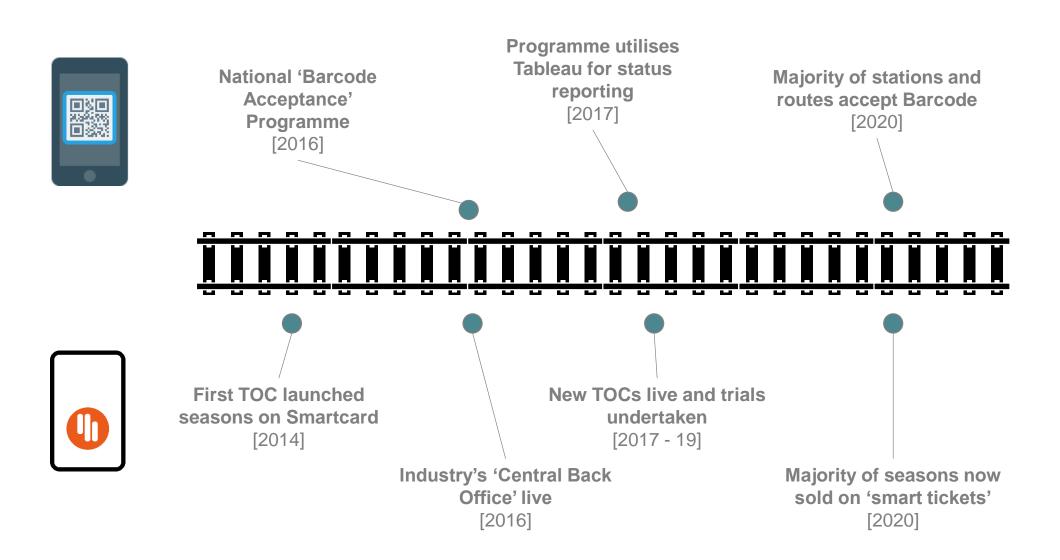
Next Steps on the 'Data Driven' Journey

Establishing Smart Ticketing

History of Smart Ticketing



National Rail



Benefits of Smart Tickets

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Enhanced personalisation

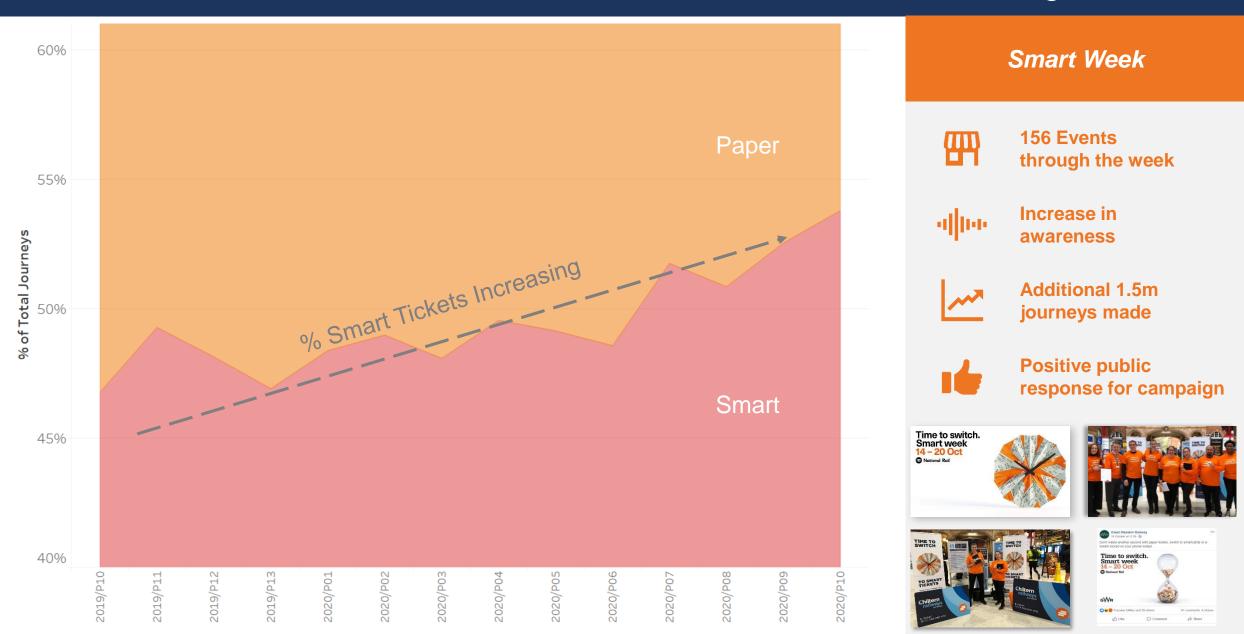
Saves time and stress

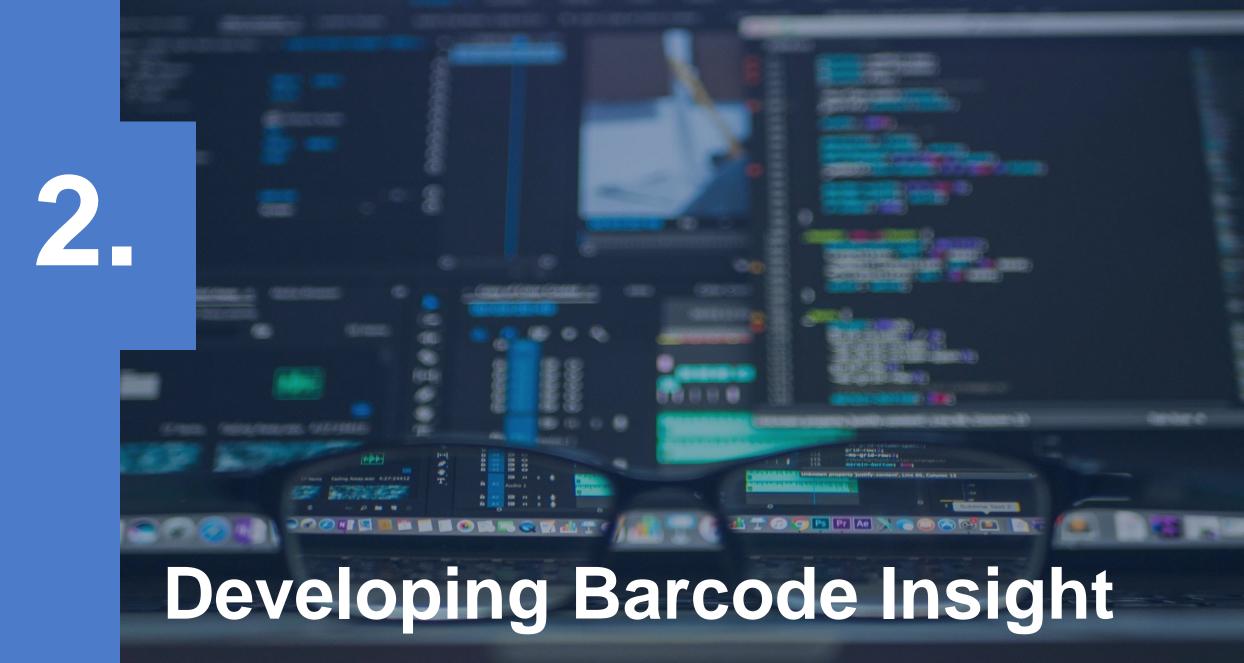
Improved fraud detection

Provides richer data

Current 'Take Up' of Smart Tickets

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Localised analysis undertaken



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Previously

Data shared for operational purposes

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Data is held in each • TOC electronic ticket validation database (eTVD)

Operators specific analysis

Varying abilities and insight for each operator

Complementary data sets held by RDG

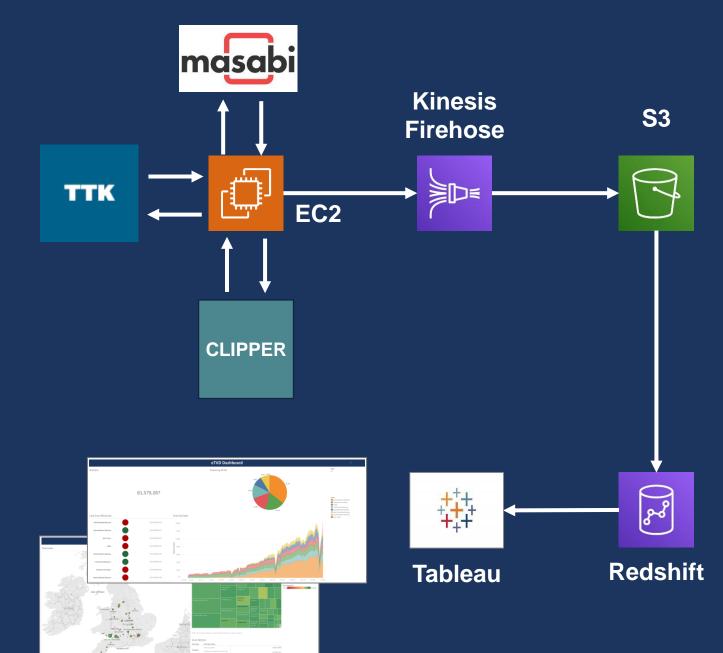
Ability to link to Industry-wide Sales, Performance and Satisfaction data



Developing shared insight

Now Live

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Local Barcode Server Capacity

LBS Capacity - Volume Scans per Minute

Station Name Device

Local Barcode Server Capacity

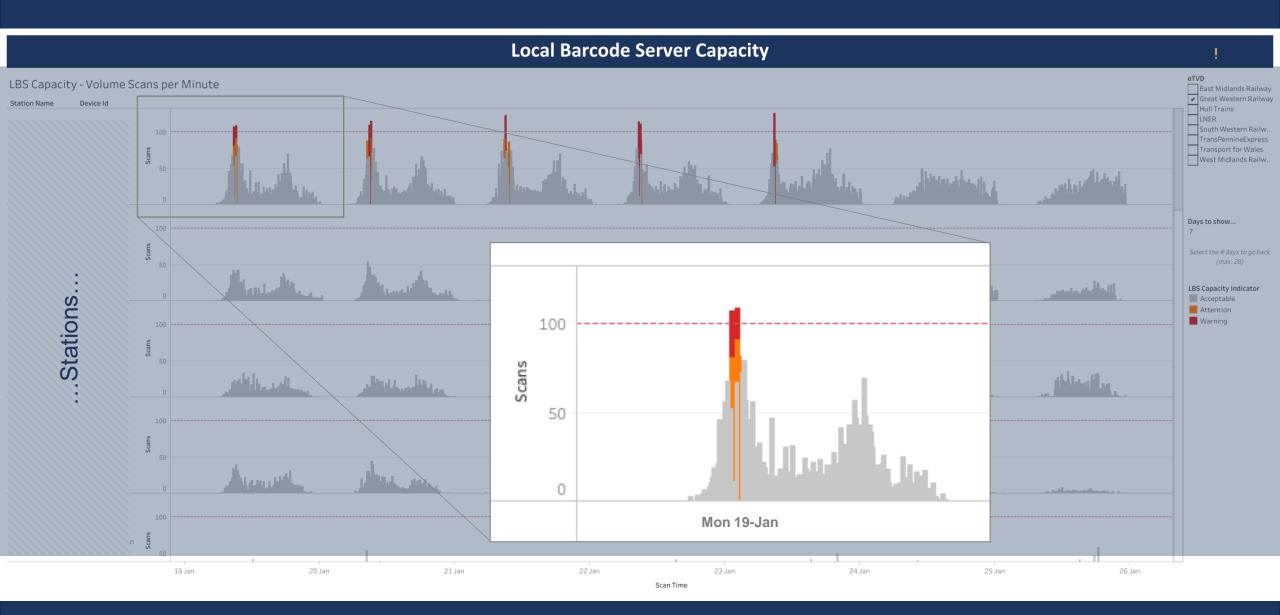
Identify stations which might require infrastructure upgrades to improve customer experience Select the # days to go b (max: 28)

Acceptable Attention Warning

eTVD East Midlands Railwa Great Western Railwa Hull Trains LNER South Western Railw. TransPennineExpress Transport for Wales West Midlands Railw.

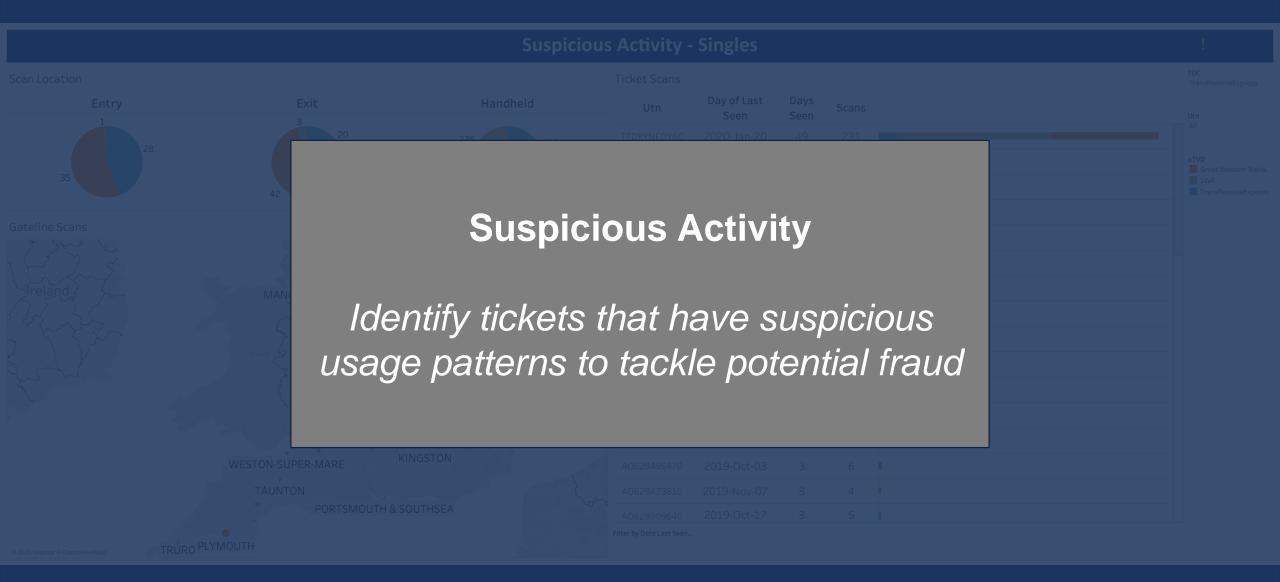
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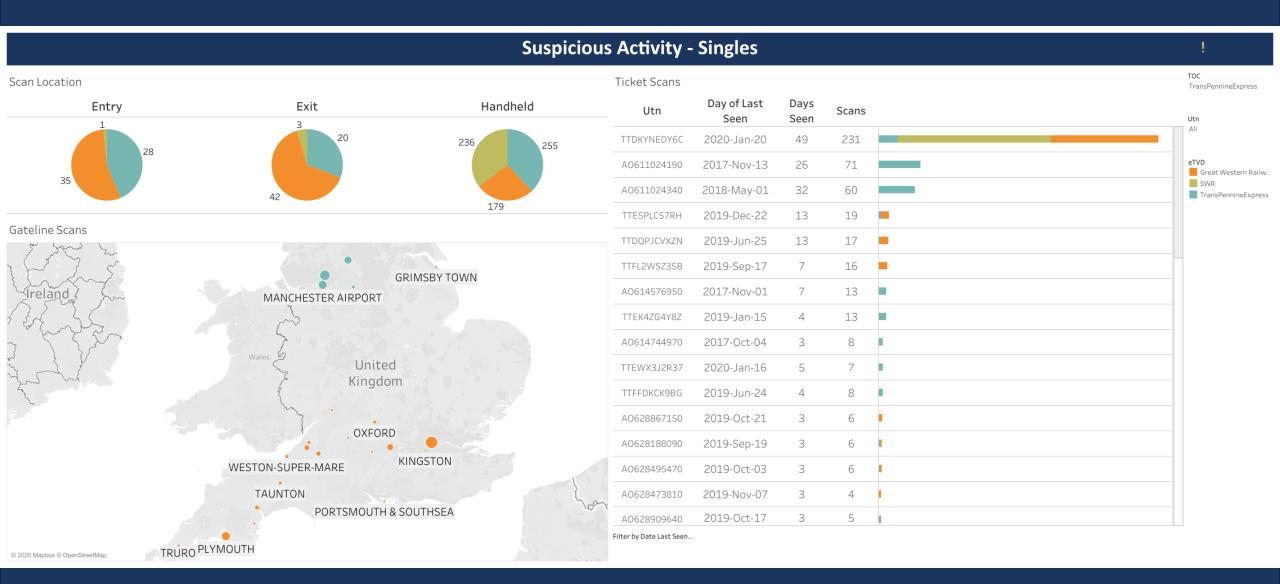
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Suspicious Activity - Singles								!
Scan Location			Ticket Scans					TOC TransPennineExpress
Entry	Exit	Handheld	Utn	Day of Last Seen	Days Seen	Scans		Utn
		1	TTDKYNEDY6C	2020-Jan-20	49	231		All eTVD Great Western Railw
5	11		A0611024190	2017-Nov-13	26	71		
			A0611024340	2018-May-01	32	60		
			TTE5PLC57RH	2019-Dec-22	13	19		
Gateline Scans			TTDQPJCVXZN	2019-Jun-25	13	17	-	
		PADDINGTON	TTFL2WSZ35B	2019-Sep-17	7	16		
			A0614576950	2017-Nov-01	7	13		
READING			TTEK4ZG4Y8Z	2019-Jan-15	4	13		
			A0614744970	2017-Oct-04	3	8	1	
			TTEWX3J2R37	2020-Jan-16	5	7	1	
	LONDON PAD		TTFFDKCK9BG	2019-Jun-24	4	8	1	
			A0628867150	2019-Oct-21	3	6	1	
			A0628188090	2019-Sep-19	3	6	1	
			A0628495470	2019-Oct-03	3	6	1	
			A0628473810	2019-Nov-07	3	4		
			A0628909640	2019-Oct-17	3	5	1	
			Filter by Date Last Seen					
© 2020 Mapbox © OpenStreetMap								





Putting the pieces together

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THEEL

YIRGI

(TOVOR LAN

Linking tickets sold with tickets scanned to inform revenue protection

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Next Steps on our 'Data Driven' Journey

Where do we go from here?

There needs to be a much stronger focus on passengers. This has been common ground from everyone we have spoken with. Passengers must be at the heart of the future of the railway. (Keith Williams)

"

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Enhanced Personalisation



Industry Disruption

Inform Fares Reform



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Thank you.

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Contraction of the local division of the loc

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