How DC Thomson use data journalism to track the vitality of city centres

Lesley-Anne Kelly, Head of Data Journalism





October 2024

Background

About me

- Lesley-Anne Kelly, Head of Data Journalism at DC Thomson
- Working in data journalism for seven years
- Leading the data unit for three of those years



DC Thomson



- A family-owned business, we are headquartered in Scotland, with a presence in London and across the globe.
- Two of our titles, The Press and Journal and The Courier are two of the top three selling regional daily newspapers in the UK.
- Our news brands are part of the trading side of DC
 Thomson, which also includes, magazines, radio, a
 thriving genealogy community and a technology solutions
 business.
 - As well as trading, DC Thomson also has a private investment business and The Northwood Charitable Trust was set up by the Thomson family in 1972 with the purpose of making communities in and around Dundee more supportive places for people to live, work and prosper.

The project

How healthy are our high streets?

Our high streets are suffering – between costof-living issues, the lasting effects of the pandemic, and the prevalence of online shopping, vacant units are a constant in our city centres

We wanted to be able to quantify the issue and to see if the issue is getting better or worse

Unfortunately, no data existed...



We wanted to provide clarity by quantifying the issue

- There's a lot of "death of the high street" discourse – what does the data say?
- More than just vacant/occupied we wanted to see what kind of businesses make up our high streets



We wanted to create data that drives change

- We live in the cities we report on and want to see them succeed
- By providing this data and reporting on it could we impact positive change in our communities?

This is more than just news... it's our home

 We don't just want to report, we want to shine a light on the things that matter the most to our communities – and our high streets are at the heart of our communities





We wanted to create a tool for reporters

- Our reporters are writing about our high streets every day we wanted to build something that would give them additional context for their stories
- Instead of saying a shop or restaurant has opened or closed, could we build a tool that would allow them to also talk about trends?



What we did

Tracking the high street

- Starting out with Dundee and Aberdeen in June 2023 we built a living database of the retail units that make up our high streets and shopping centres
- Adding in Inverness and Perth in December 2023 we now track data for half of Scotland's cities
- Monitoring almost 2000 units
- 3D maps and charts



Internal data

• As well as the articles for readers we have exclusive data available internally for reporters

High Street Tracker Dundee								
		What are the oldest empty units	that we're aware	of?				
Data for reporters		Dates are sourced from our own reporting the high street/shopping centre tracker for		al media/websites	s, google street vi	ew, companies		
The data below is available to reporters to use in any coverage of the comings at is manually collated and we're relying on reporters to keep us in the loop regardir just spot something on your lunch break) please either tag LAK and Emma when datateam@dctmedia.co.uk ♣	ng changes. If you are reporting on any relevant openings or closings (or	High Streets						
When referring to any of this data please say "according to data from the Courier below:	high street tracker " and link back to our tracker articles which are linked	Rank	Last business in this unit	Street	Days vacant	Which is roughly X years		
High streets Dundee city centre: Track the empty a	nd occupied units							
Shopping centres Dundee shopping centres: Track the er	npty and occupied units	1	Victoria Wine	Reform Street	5290	14.5		
		2	The Anglers Creel	Exchange Street	4523	12.4		
Jump to section How many (and what proportion of) high street units are vacant?	Tracker quick links	3	Tovmaster	Commercial Street	2211	6.1		
How many (and what proportion of) shopping centre units are vacant?	Aberdeen high street tracker	J		Slieel	2211	0.1		
What kind of units are on each street?	Dundee high street tracker		Hynds					
What is the breakdown of unit types on each street?	Perth high street tracker		Amusement					
What kind of units are on each centre?	Inverness high street tracker	4	Arcade	Reform Street	2190	6.0		
What kind of units are on each centre? What is the breakdown of unit types in each centre?								
Ymana ar breakdwin o'i dhirtiydes in each centrer.		5	Amplifon	Reform Street	1966	5.4		
S How many (and what proportion of) high street units are vacant?	How many (and what proportion of) shopping centre units are vacant?	6	Cooper and McKenzie	Reform Street	1936	5.3		
Street Vacant Occupied Total units % vacant	Centre Vacant Occupied Total units % vacant	7	Antalia	Crichton Street	1907	5.2		
Castle Street 5 14 19 26.3%	Overgate 10 66 76 13.2%		Never occupied					
Commercial Street 13 26 39 33.3%	Weilgate 23 29 52 44.2%		(unit in					
Crichton Street 4 10 14 28.6%	Average 33 95 128 25.8%	8	Sainsbury's)	Perth Road	1669	4.6		
Exchange Street 2 13 15 13.3%								
High Street (including City Square) 5 22 27 18.5% Murraygate 8 26 34 23.5%		9	Tesco Metro	Murraygate	1661	4.6		
Nethergate 7 50 57 12.3%				High Street				
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Union Street 1 25 26 3.8% Whitehall Street 3 10 13 23.1%		10	UIZa	Square)	1032	4.5		
Average 64 298 362 17.7%								

Adding more context to the data

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		-																				
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	Chapel Street		5	15 2	20 25.0		Aberdee			8	20	28	28.6%									
	Gaelic Lane		1	1	2 50.0		Aberdee		are	4	82	85	4.7%									
	George Street		18	75 9	93 19.4		Aberdee			29	159	189	15.3%									
	Little Belmont Street Schoolhill		**	8	8 0.0 ⁴		Dundee	Overgate Wellgate		10 23	66 29	76	13.2%									
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How we did it

Engagement

- Engaged with local reporters on which streets/shopping centres were the "key indicator" areas for each patch
- The wisdom of the crowd is integral to keeping the data up to date so getting newsroom buy in was key







A virtual stroll down the high street

- Once we identified the streets to track we used google maps street view to start drawing out the units
- Each individual retail unit was hand drawn





An actual stroll down the high street

- From google maps and our own knowledge we made lists of what we believed to be in each unit
- We then walked down each street to create the final version of the lists/maps for each street/shopping centre
- Each unit was also categorised and subcategorised
- Maps were hand drawn using Geojson.io and the entire project runs off Google Sheets
- Updated whenever new data is available
- Quality assured every quarter



Technical details

- Geojson.io used for hand drawing every unit
- Figma used to create floor plans of every shopping centre
- QGIS used for any more advanced spatial analysis
- All charts and maps use Flourish which are hooked up to the entire dataset via google sheets every change involves a small update to the Google Sheet, which then triggers off several bits of analysis and sends straight to Flourish





The structure

- Each city has a tracker article ٠ looking at the high streets and shopping centre
- Each city gets a "launch • article" where take a deep dive into the data we've gathered and interview local business owners – utilising data visualisation and scrollytelling
- Each quarter we get back out ٠ on foot and quality assure the data and publish a fresh deep dive



35.7%

33.3%

32.4%

23.5%

23.1%

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"You had the last jar", Fraser responds, to the customer that has suddenly appeared around the door to the back room of his shop.

"But I'll phone them and get it in, don't worry."

"What a guy", the customer replies.

It's 11:42am on a Monday and there are six customers queuing in Fraser's small shop. His business is clearly thriving.

+

Fraser Reid is the owner of Fraser's Fruit and Veg.

Building on the data

 From the initial bank of data we slowly added additional bespoke analysis – all with the core spine of the exclusive high street data running through it

Who owns Dundee's top 18 vacant high street units?

'Progressive and friendly or dirty and sad': Your views on shopping in Dundee city centre

Who owns the longest standing vacant properties on Dundee's high streets? We purchased property deeds for 18 units which have been empty for at least three years. Ema Sabijak





We investigate who owns the high street vacant units that have been empty the longest.

Depressing, sad and dirty? Asked what one word they would use to describe Dundee (tly centre, negative sentiments overwhelmed the positive The bigger the word, the more times it was used in our survey

underachieving struggling desolate dilapidated declining boring potential uninspiring compact basic underwhelming --disappointin 'essing dull dire broken awful beggars sad nice dump soulless neglected terrible ghost-town dead tired lacking disgraceful rundown poor mixed empty underpopulated grim

Dundee Matters: How does the city centre compare to others across Scotland

Is there a business that thrives on Dundee high streets? Are there shops that soar in other cities but fail in the City of Discovery? <u>Ema Sabijak</u>



< Share



How independent are Aberdeen's high streets?

Using our high street trackers, we've analysed the number of businesses on each street and in the shopping centres to find out how many are independent. Emma



Aberdeen is home to a number of unique independent businesses. Image: by Scott Baxter / DC Thomson

How has Union Street changed over the past decade?

We've compared Aberdeen's Union Street in 2013 to 2024 to see how things have changed over the years. Emma Morrice





Union Street in 2013. Image by Kath Flannery/ DC Thomson

Bringing the data to life

High Street Summit: How Dundee city centre can shake-off its negative image and warnings over 'toxic nostalgia'

An expert panel discussed how Dundee's centre can improve at The Courier's High Street Summit.



The Courier's High Street Summit event featured The Courier editor David Clegg, Matt Colledge of Altrincham Forward, Dundee City Council leader John Alexander, Ron Smith of Glamis Investments, urban planning expert Dr Husam Alwaer and Dundee and Angus Chamber of Commerce president Kelly-Anne Fairweather. Image: Mhairi Edwards/DC Thomson

THE COURIER READ OUR HIGH STREET SUMMIT WHITE PAPER

DOWNLOAD NOW

Who did it



Results

Driving change in our communities

May 6 2024, 5:55am

Council leader pledges £200,000 to clean up Dundee city centre following Courier campaign

Council leader John Alexander has committed to adding more environmental service staff and bringing in external cleaning experts to make city centre more attractive.

by Paul Malik



Leader of Dundee City Council John Alexander on the High Street summit panel. Image: Mhairi Edwards/DC Thomson.

An additional £200,000 is to be spent cleaning up the city centre, following revelations brought about by The Courier's Dundee Matters campaign.

The extra money will go toward hiring more environmental services staff as well as bringing in private contractors to deep clean the city centre.

Council administration leader John Alexander committed to the funding at The Courier's High Street Summit at Meadowside.

We created a powerful storytelling tool

Who owns Dundee's top 18 vacant high street units?

Who owns the longest standing vacant properties on Dundee's high streets? We purchased property deeds for 18 units which have been empty for at least three years. Ema Sabijak



< Share



Dundee Matters: How does the city centre compare to others across Scotland

Is there a business that thrives on Dundee high streets? Are there shops that soar in other cities but fail in the City of Discovery?



Aberdeen city centre: A ghost town or winning the battle for survival?

ABERDEEN & ABERDEENSHIRE

September 23, 2024

How has Union Street changed over the past decade?

6

June 26, 2023

Dundee city centre: One year of tracking retail vacancy rates

It's now been one year since we started tracking the vacancy rates of Dundee city centre - what has changed in that time?





I how have the high streets and shopping centres changed in Dundee? Graphic by Michael McCosh.

How independent are Aberdeen's high streets?

Using our high street trackers, we've analysed the number of businesses on each street and in the shopping centres to find out how many are independent. Emma Morrice



September 2, 2024, 6:00 am



We created a powerful storytelling tool

Data from The Courier shows Commercial Street has the second-highest vacancy rate of the main streets in Dundee city centre.

More than a quarter of units are empty.

The average across the city is 15%.

More than half of the shops on Dundee's pedestrianised Union Street are food and drink outlets, according to The Courier's High Street Tracker.

Bubblicious is the new kid on the block, filling the unfilled unit previously occupied by toy shop Bears and Buddies Workshop.

Its move into the centre would fill one of the few empty spaces in the Overgate.

According to The Courier's shopping centre tracker, the Paperchase unit and Debenhams are the only empty shops on the ground floor.

A recent Press and Journal investigation found that Belmont is one of the top streets in Aberdeen for independent businesses.

The cobbled area has 18 units occupied by independent traders and five which are chains – meaning 78% of Belmont Street is locally operated.

At one time, The Press and Journal high street tracker showed a fully occupied Little Belmont Street.

Along with the Little Belmont Hut closing down earlier this year, the loss of Tango Turtle would mean two out of seven units are vacant – equal to 28.5%.

If the restaurant has closed for good, it would be yet another blow to the Granite City's food scene.



Recognised by the World Association of News Publishers, WAN-IFRA

PressGazette FUTURE OF MEDIA AWARDS



Key success factors

Communication

- Reporters were key to this project, getting them on board was essential to success
- We tapped into the knowledge of our readers with forms on every article
 Exclusivity
- None of this data is available in anything close to this level of detail anywhere else



Evergreen content benefits

- The tracker articles are clicked on every day and updated regularly which Google rewards with good search authority
- When our reporters link to those trackers they're able to benefit from that SEO authority for their news articles



Main challenges

Communication

• With so many moving parts in a newsroom it took a while to integrate use of the data into daily practice for reporters



- While maintenance now is manageable, the up front time investment in building the data was high
- The idea for this was first pitched in December 2022. Work began seriously around February/March 2023 and was first published in June 2023.





Key learnings

Process

- When you define the data YOU define the data
- The initial two cities were built in parallel by two people. Whilst 99% of the process was the same small differences in problem solving approaches had to be tweaked post-launch

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{"coordinates":[[[-2.99306,56.45€ Speedwell bar	Yes		165-167 Perth Road	Food and Drink	Pub/bar			Perth Road	4 .
{"coordinates":[[[-2.993925,56.4] Fraser's Fruit and Veg	Yes		300A Perth Road	Shopping	Food shop/deli			Perth Road	4 .
{"coordinates":[[[-2.993866,56.45 Fisher and Donaldson	Yes		300 Perth Road	Shopping	Bakery			Perth Road	4 .
{"coordinates":[[[-2.993763,56.4! Master Tailors	Yes		298 Perth Road	Services	Other			Perth Road	4
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{"coordinates":[[[-2.993582,56.4] The Barber Man Studio	Yes		292 Perth Road	Hair and Beauty	Barber			Perth Road	1

Next steps



Thank you!

Appendix

Tools

- Flourish
- Figma
- QGIS
- Geojson.io
- Google Sheets

Get in touch

- lkelly@dcthomson.co.uk
- https://www.linkedin.com/in/lesley-anne-kelly-10638b224/
- @L_A_Kelly on twitter and tiktok

Links

- <u>https://www.thecourier.co.uk/tag/high-street-tracking/</u>
- <u>https://www.pressandjournal.co.uk/tag/high-street-tracking/</u>