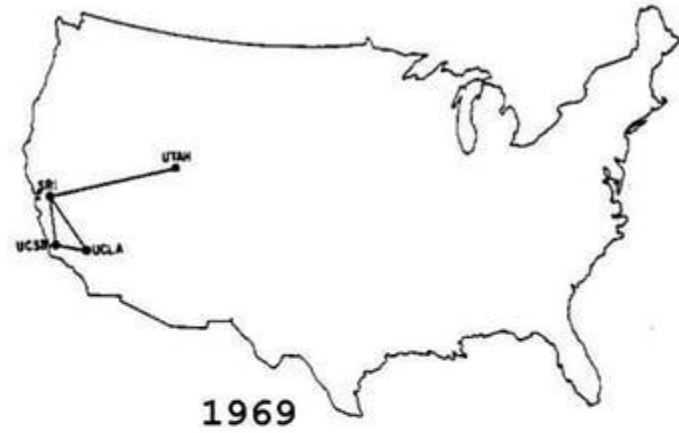


Unveiling the Shadows: Analysis of Illicit Drug Trade on Telegram

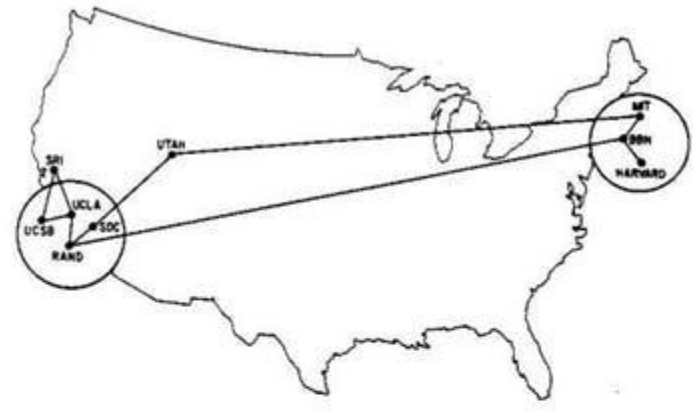
Jack Cunliffe, School of Social Policy, Sociology and Social Research,
University of Kent

Haiyue Yuan, School of Computing, University of Kent

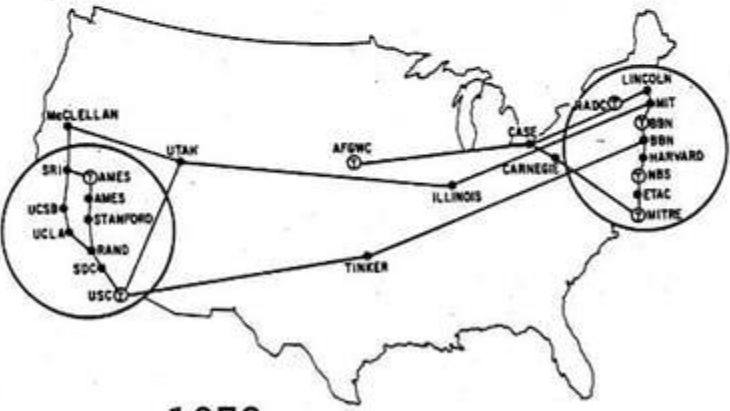
David Décary-Hétu, École de criminologie, Université de Montréal



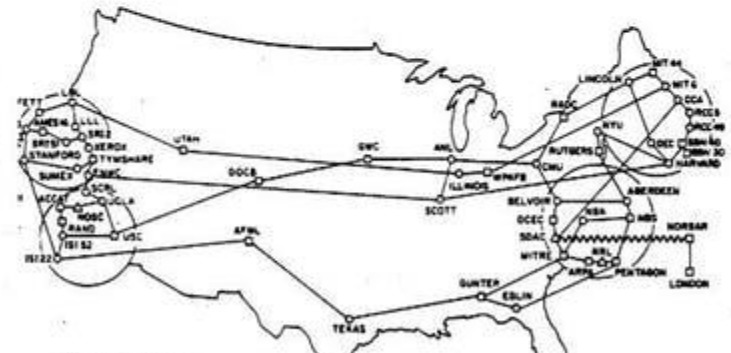
1969



1970



1972



1977

--- SATELLITE CIRCUIT
 ○ IMP
 □ TSP
 ◊ PLUMBUS IMP
 (NOTE: THIS MAP DOES NOT SHOW AREAS EXPERIMENTAL SATELLITE CONNECTIONS)
 NAMES SHOWN ARE IMP NAMES, NOT (NECESSARILY) HOST NAMES



8 days 2 hrs 51 mins 31 secs until Four Twenty!!!

- Shop by category:
- Drugs(2679)
 - Cannabis(741)
 - Dissociatives(59)
 - Ecstasy(274)
 - Opioids(214)
 - Other(76)
 - Prescription(515)
 - Psychedelics(348)
 - Stimulants(256)
 - Apparel(22)
 - Books(283)
 - Computer equipment(13)
 - Digital goods(220)
 - Drug paraphernalia(52)
 - Electronics(19)
 - Fireworks(1)
 - Forgeries(41)
 - Hardware(3)
 - Home & Garden(5)
 - Jewelry(1)



CRANBERRY KUSH & STRAWBERRY...
\$36.82



10pc of Genuine Fake Blu Ray Discs
\$49.50



30mg Oxycodone (Roxie, Roxy) IR...
\$250.00



BITCOINS - NOW THE LOWEST PRICE...
\$0.00



Diazepam (valium) 10mg - 1000...
\$425.50

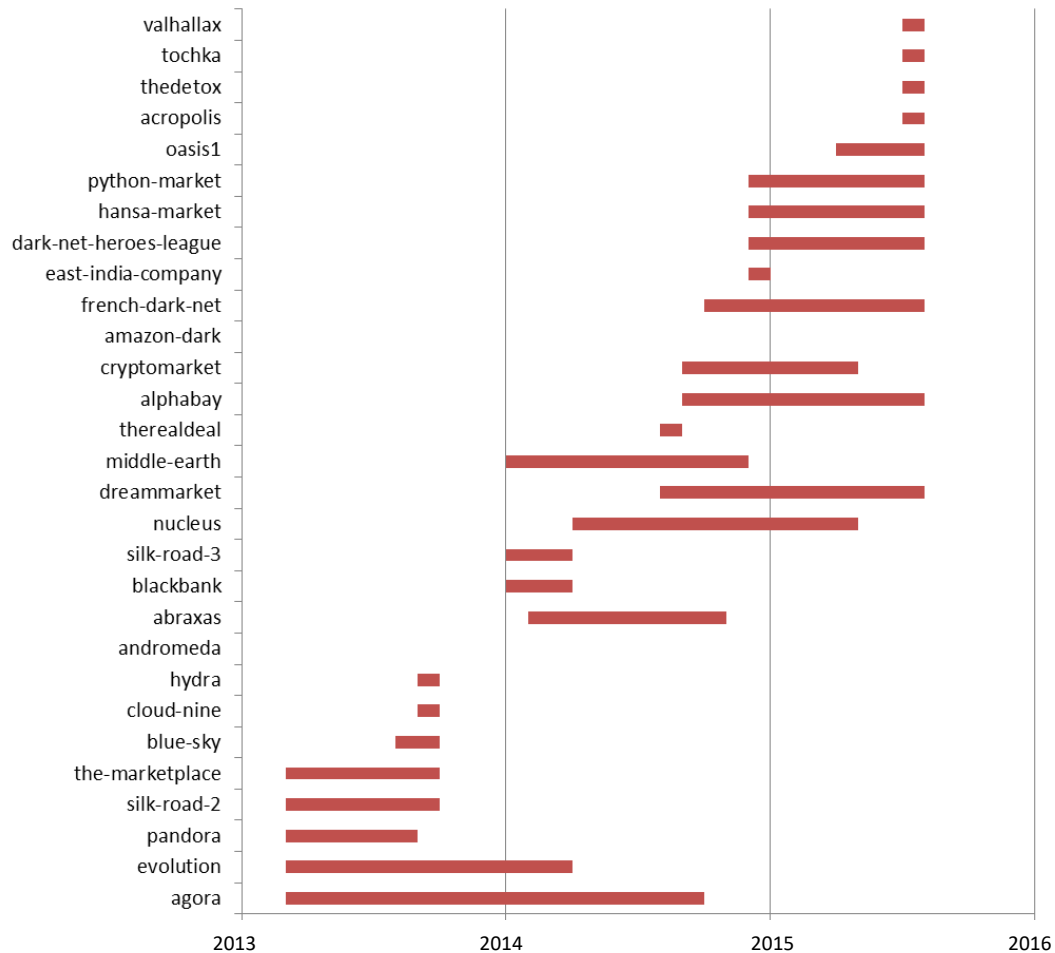


Anarcho47's Magikally Epic...
\$2.48



- News:
- Who's your favorite?
 - Acknowledging Heroes
 - A new anonymous market **The Armory!**
 - State of the Road Address

DATACRYPTO



RESEARCH-ARTICLE

Traveling the silk road: a measurement analysis of a large anonymous online marketplace

Author:  [Nicolas Christin](#) [Authors Info & Affiliations](#)

Publication: WWW '13: Proceedings of the 22nd international conference on World Wide Web • May 2013 • Pages 213–224 • <https://doi.org/10.1145/2488388.2488408>

 138  2,817

   [Get Access](#)

ABSTRACT

We perform a comprehensive measurement analysis of Silk Road, an anonymous, international online marketplace that operates as a Tor hidden service and uses Bitcoin as its exchange currency. We gather and analyze data over eight months between the end of 2011 and 2012, including daily crawls of the marketplace for nearly six months in 2012. We obtain a detailed picture of the type of goods sold on Silk Road, and of the revenues made both by sellers and Silk Road operators. Through examining over 24,400 separate items sold on the site, we show that Silk Road is overwhelmingly used as a market for controlled substances and narcotics, and that most items sold are available for less than three weeks. The majority of sellers disappears within roughly three months of their arrival, but a core of 112 sellers has

Research

Effect of restricting the legal supply of prescription opioids on buying through online illicit marketplaces: interrupted time series analysis

BMJ 2018 ; 361 doi: <https://doi.org/10.1136/bmj.k2270> (Published 13 June 2018)

Cite this as: BMJ 2018;361:k2270



BMJ talk medicine
Darknet Opioids

SOUNDCLOUD

Share

28:57

4.5K

Cookie policy

Linked Editorial
Tighter prescribing regulations drive illicit opioid sales

- Article
- Related content
- Metrics
- Responses
- Peer review

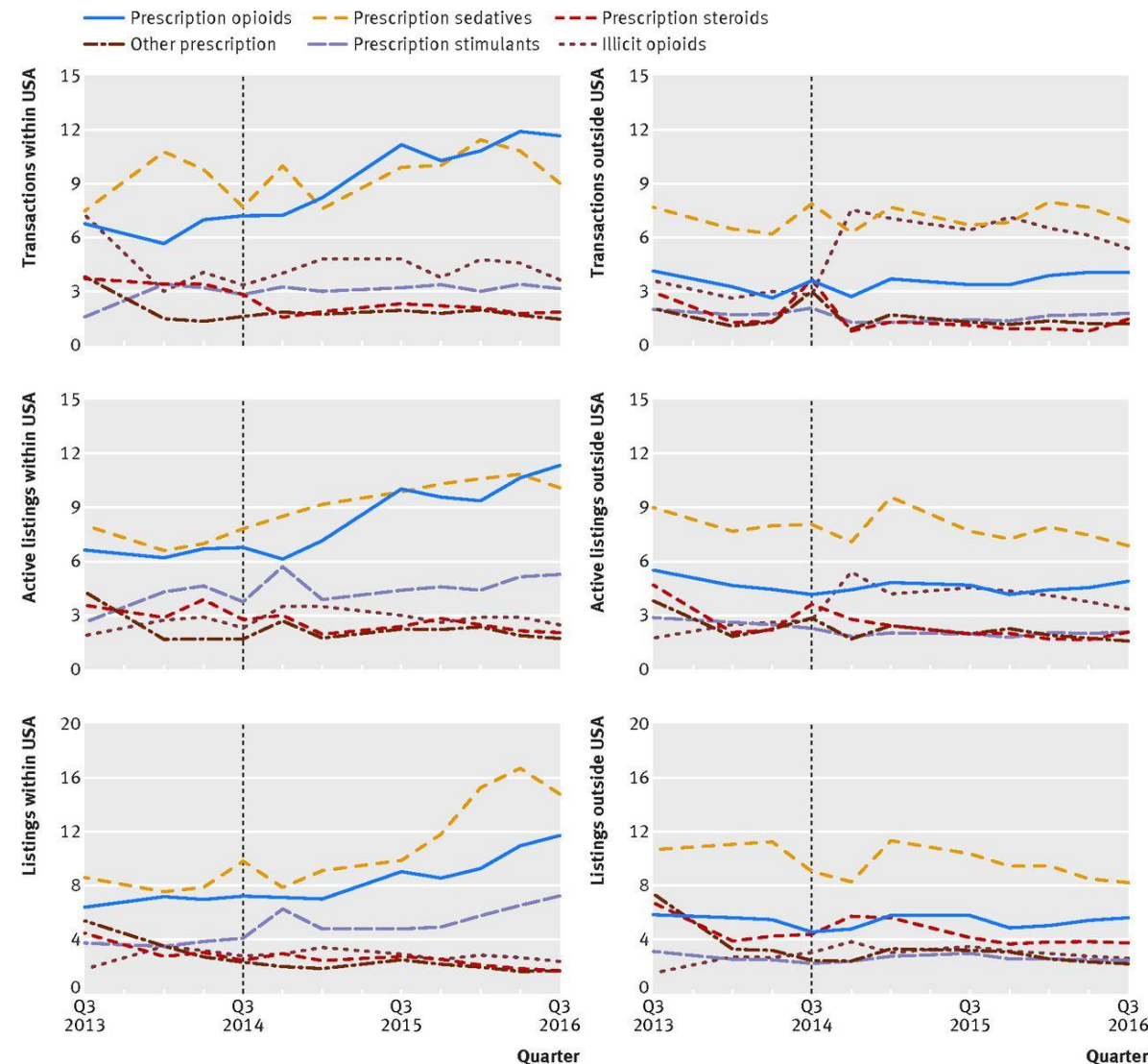
James Martin, associate professor of criminology¹, Jack Cunliffe, lecturer in quantitative methods and criminology², David Décarv-Hétu, assistant professor of criminology³, Judith Aldridge, professor of criminology⁴

Author affiliations ▾

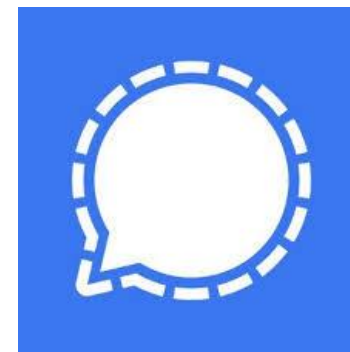
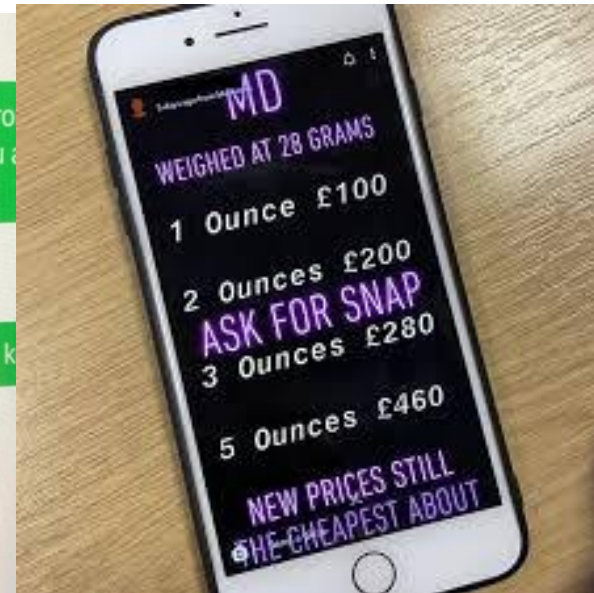
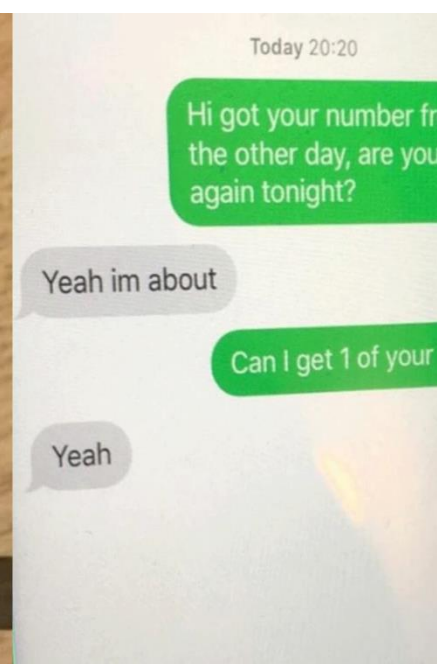
Correspondence to: J Cunliffe j.d.cunliffe@kent.ac.uk

Accepted 22 April 2018

Percentage of online drug transactions, active listings, and listings by drug category for products sold within the US compared with elsewhere, quarter 3 2013 to quarter 3 2016.



Social media dealing

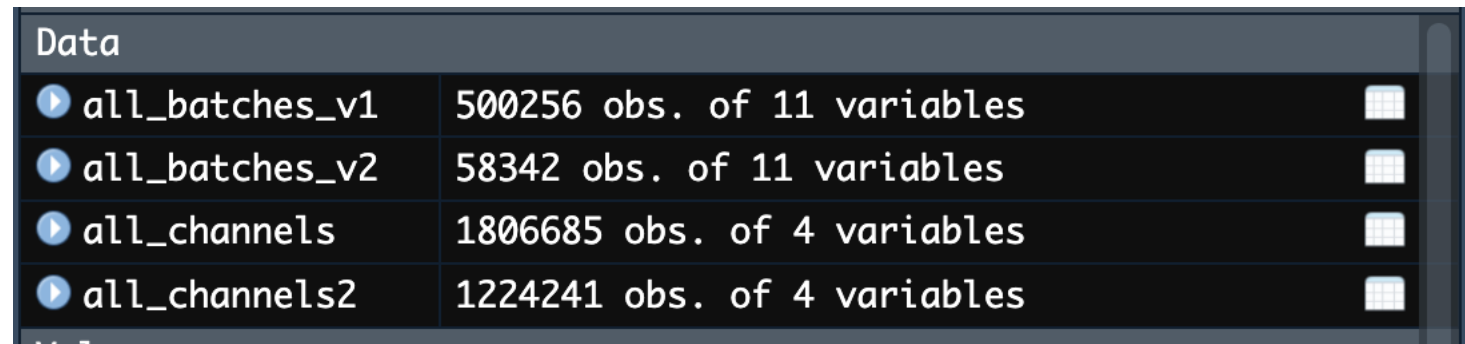




Can we collect and analyse Telegram information in the same way we've approached cryptomarkets?

Data collection

- Python script using the Telegram API
- Started with 25 initial channels
 - broadly based in Berlin and London
- scraped and parsed, collected telegram links, iterated the process 3 times
- Repeated twice, in March and May



A screenshot of a data collection interface showing a list of datasets. The interface has a dark background with light text. The word 'Data' is at the top left. Below it, there are four rows, each with a blue play button icon, a dataset name, a description of the data, and a small grid icon on the right.

Data		
▶ all_batches_v1	500256 obs. of 11 variables	📊
▶ all_batches_v2	58342 obs. of 11 variables	📊
▶ all_channels	1806685 obs. of 4 variables	📊
▶ all_channels2	1224241 obs. of 4 variables	📊

	March scrape		May scrape	
	Unique channels	Containing links	Unique channels	Containing links
Level 1	25	15	25	10
Level 2	315	40	344	6
Level 3	1396		85	
Total unique channels	1525		428	
Public	539	35%	183	43%
Private	986	65%	245	57%

They are illicit drug channels

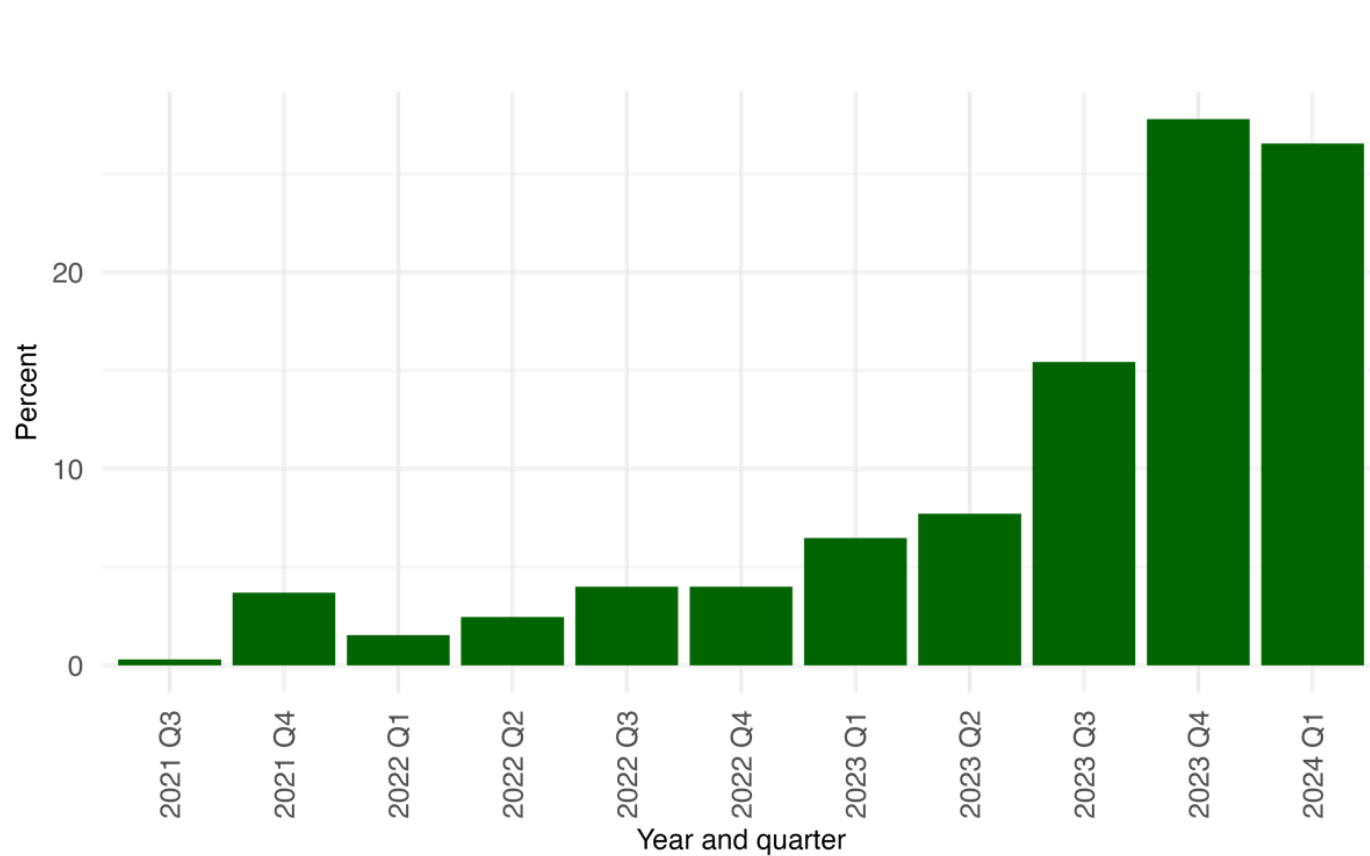
- Channel A:
Free Delivery on All Purchases
Some of the Best Prices
Smartwhips and chargers on post!

- Channel B:
THC Edibles
Best U.K. flower
THC lean
Pre Rolls 🍄 🌿 🍷 🤝
Guarantee next day delivery 🤝 100 📦
Vouched by many ✅ ✅

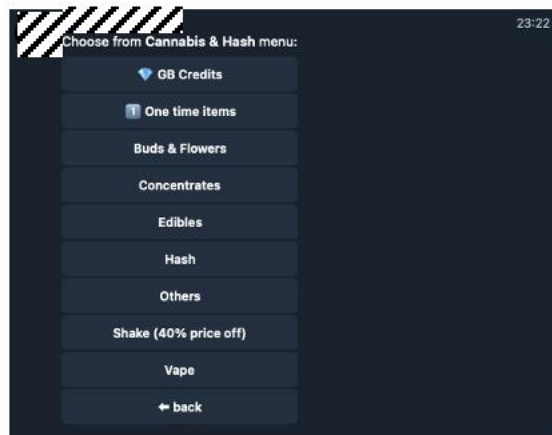
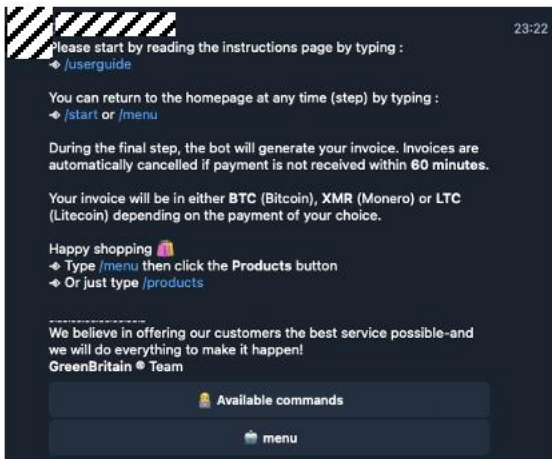
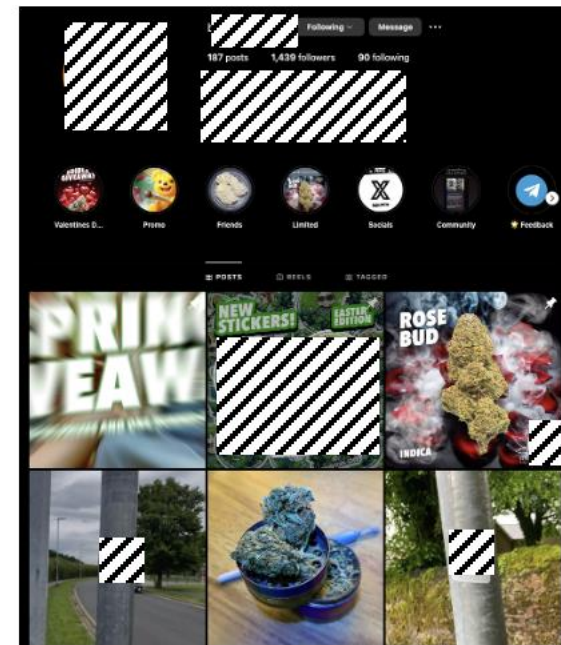
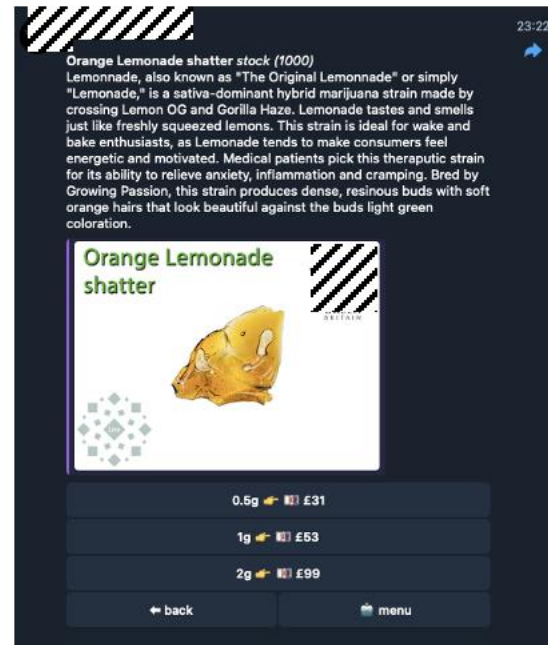
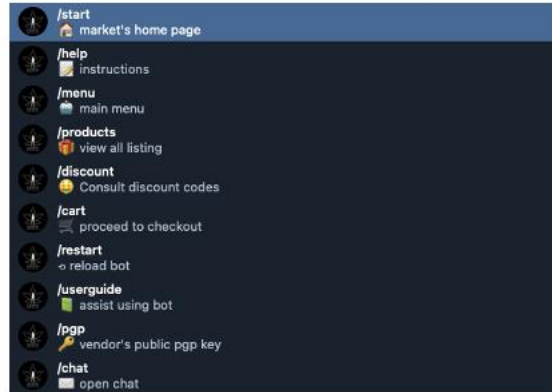
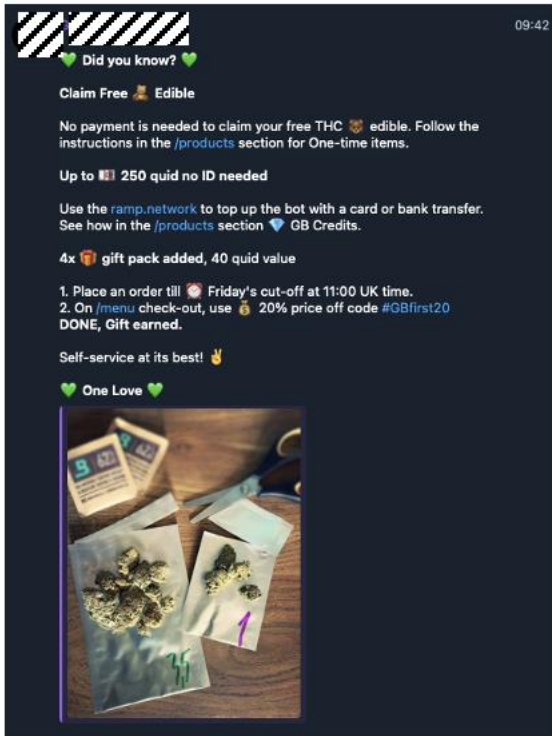
- Channel C:
No1 suppliers for the best snow ❄️ ❄️ and all your other party needs 100 100

Dip sampling of private channels (N = 50) confirmed that all were indeed people selling illicit drugs

Survival and size



Percentile	Number of subscribers
10th	6
20th	16
30th	34
40th	68
50th	116
60th	195
70th	300
80th	525
90th	1401
95th	2082
99th	5854
Max	150757





HQ 2.1K H... edited

HOW TO PLACE AN ORDER

- Message @ in this format 📄

- Name
- Address
- Town
- Postcode
- Full order
- Payment method (If it's bank transfer please specify what bank you are sending from)

[Click here to go back to menu or review channel](#)

↓ ↓ ↓ ↓ ↓

HQ 06 February 2.2K H... edited 00:59

UPDATED MENU (CURRENT STOCK)

Edibles

1-15 2-25 5-50 10-80 25-190 50-300 100-400

Cocaine

0.35G-£35 0.5G-£50 1G-£80 2G-£140 14G-£650 28G-£1200

Ecstasy

1-£10 2-£20 4-£30 10-£75 50-£160 100-£300

Acid

1-£10 2-£20 3-£30 4-£40 5-£45 10-£80 25-£160 50-£275

Cali vapes

1-£60 2-£110 5-£200 10-£350 20-£500

The mixers

1-£20 2-£35 5-£60 10-£80 50-£300 100-£550

Power raw

10ml-£30 100ml-£100 500ml-£350 1Litre-£450

Hash

7G-£50 14G-£90 25G-£140 50G-£200 100G-£350

Top shelf Cali

1G-£25 3.5G-£70 7G-£130

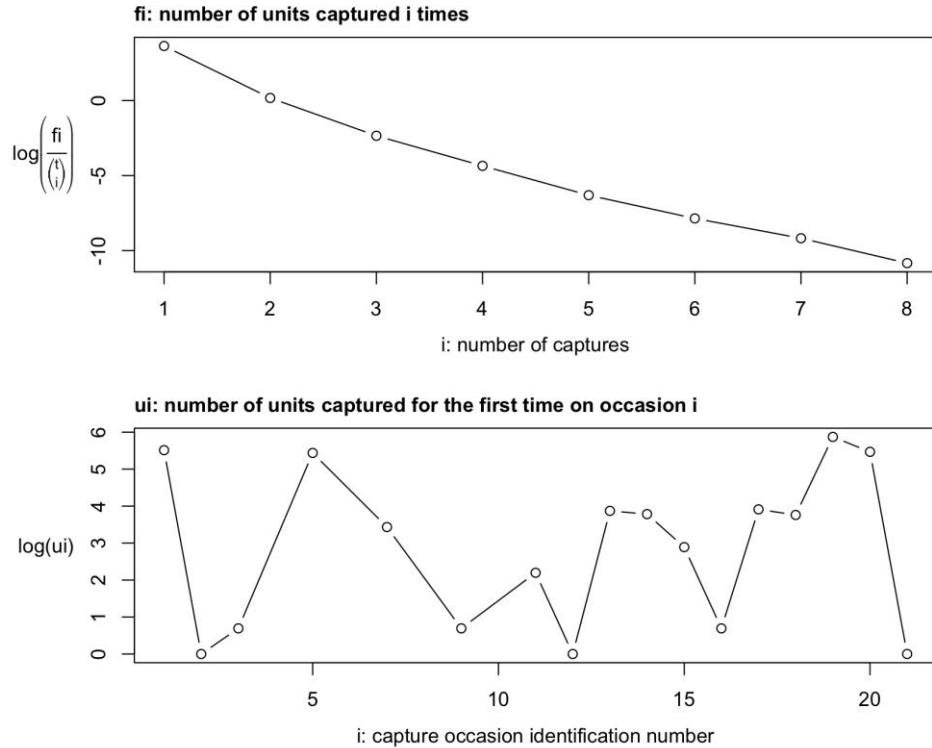
PAYPAL
 BANK TRANSFER
 CRYPTO
 CASH IN POST

If your ready to order message @ with your address in this format -

Name
 Address
 Postcode
 Town

Multiple systems estimation

Exploratory Heterogeneity Graph



Number of captured units: 1322

Abundance estimations and model fits:

	abundance	stderr	deviance	df	AIC	BIC	infoFit
M0	1733.8	31.7	327.484	19	378.170	388.544	warning #3
Mh Chao (LB)	2530.7	120.1	3.468	12	68.154	114.836	OK
Mh Poisson2	1733.9	31.7	327.336	18	380.022	395.582	OK
Mh Darroch	2217.9	63.1	87.933	18	140.619	156.180	OK
Mh Gamma3.5	3914.9	280.7	18.997	18	71.683	87.244	OK

Conclusions

- Does appear to be lively illicit drug trade on Telegram
 - channels appear and disappear, with a handful dominating
 - mainly seems to be cannabis, MDMA, cocaine, psychedelics
 - less evidence of opioids
- Bot appear to be relatively widespread and with a ‘certain way of doing things’
- Lot of limitations and avenues for more work!
 - Requires a much more systematic approach with significantly more resource

Le Monde

PIXELS · SOCIAL MEDIA

Telegram CEO Pavel Durov arrested in France in world-first case

The founder of the messaging service was arrested on Saturday evening at Le Bourget airport outside of Paris. He is the subject of an investigation for the lack of moderation on his platform.

By Damien Leloup and Benjamin Quénelle (Moscou, correspondant)

Published on August 25, 2024, at 4:35 pm (Paris) · 6 min read · [Lire en français](#)



 Subscribers only



Pavel Durov, CEO and co-founder of Telegram, speaks on stage during the first day of TechCrunch Disrupt SF on September 21, 2015 in San Francisco, California. STEVE JENNINGS / AFP

Thanks for listening

jdc@kent.ac.uk