

Octopus Conference 2021 Workshop Victims of cybercrime in Europe

The impact of the Covid-19 on phishing frequency and content

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New routines: natural experiment





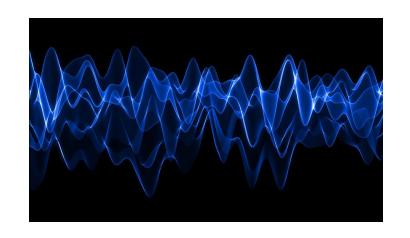
Online crime? Phishing?

Data Anti-Phishing Working Group

- Phishing reports: September 2019 9 October 2020
- 2.345.505 phishing e-mails -> 1.373.324 usable
- WHO: Start pandemic: 11 March 2020



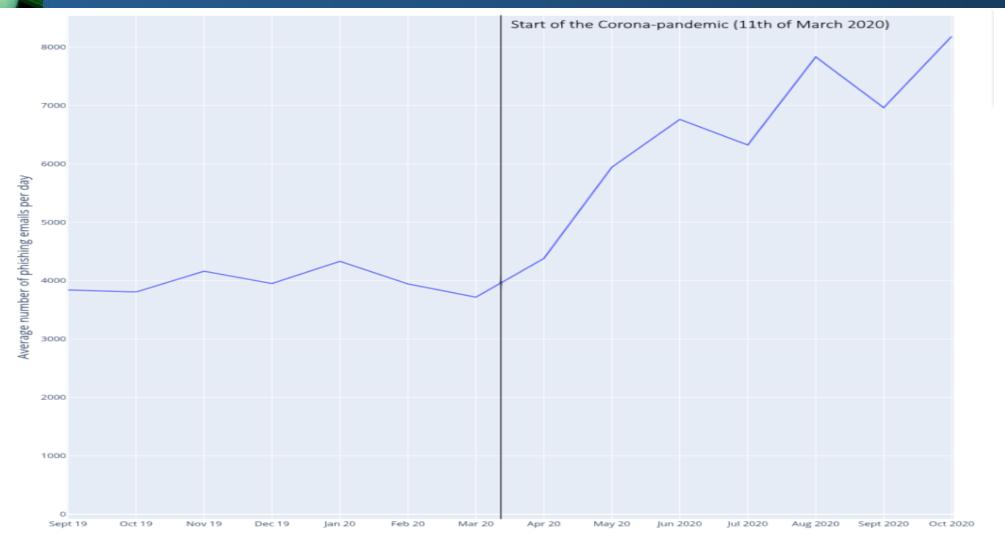
Three aims





storylines°





2. Attachments



Before	11 March 2020->September 2021
8.4%	24.1%

1. Covid-19 related	corona, disease, pandemic, virus
Categories	Examples: terms in the phishing email

2. Medical and protection equipment

chloroquine, mask, masks, vaccines, ventilators

4. Order and delivery

3. Financials

bank, donation, payment, donate, debt, invoice, subscription

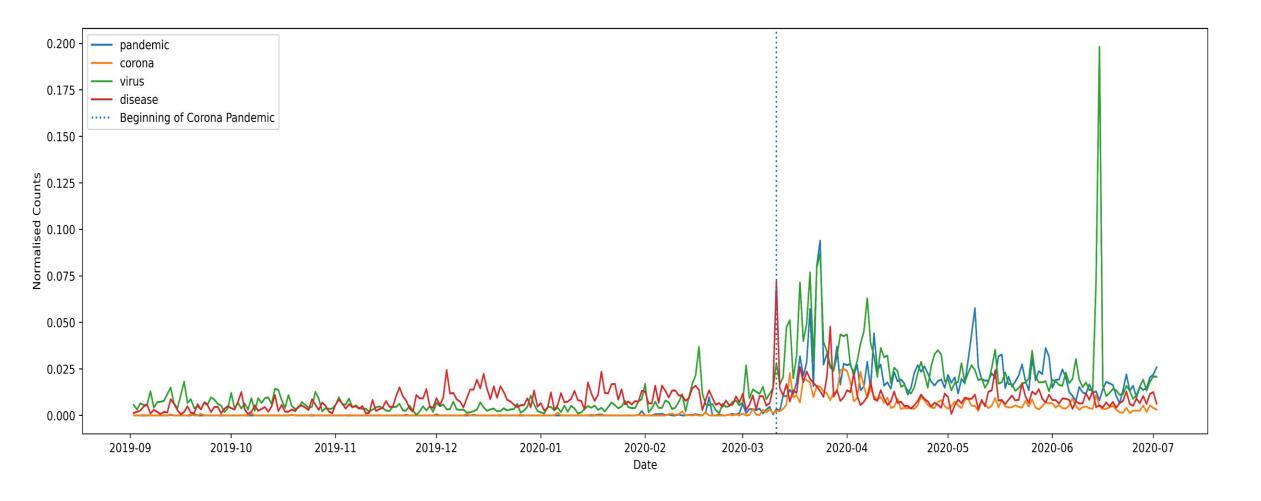
5. Dating, beauty and care

dating, diet, fat, meet, single, skin women, weight

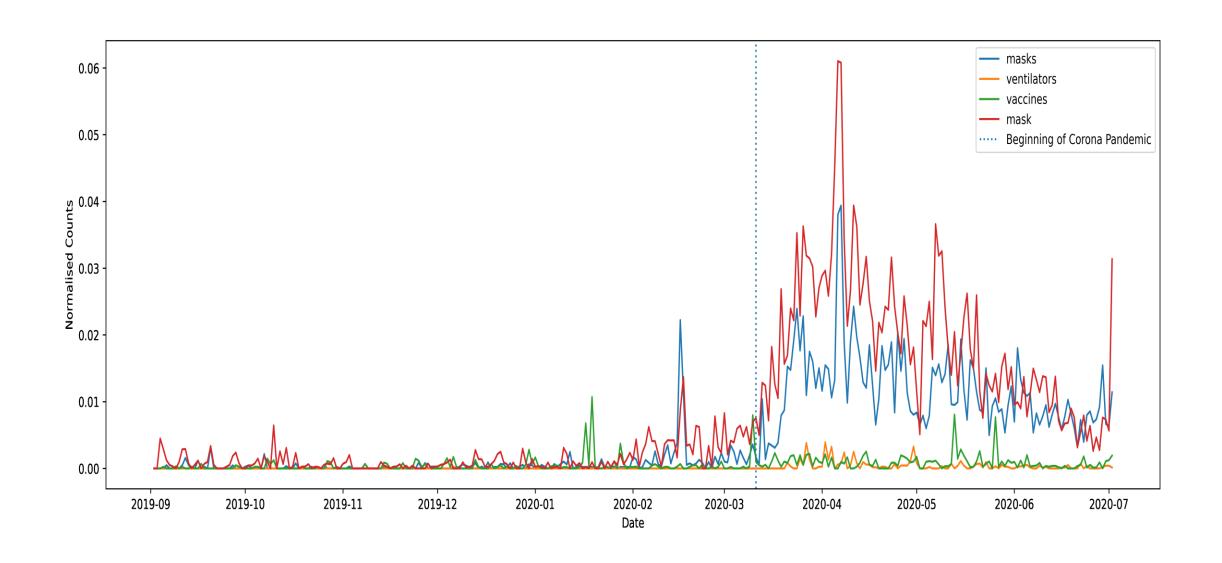
amazon, account, delivery, order, shipment



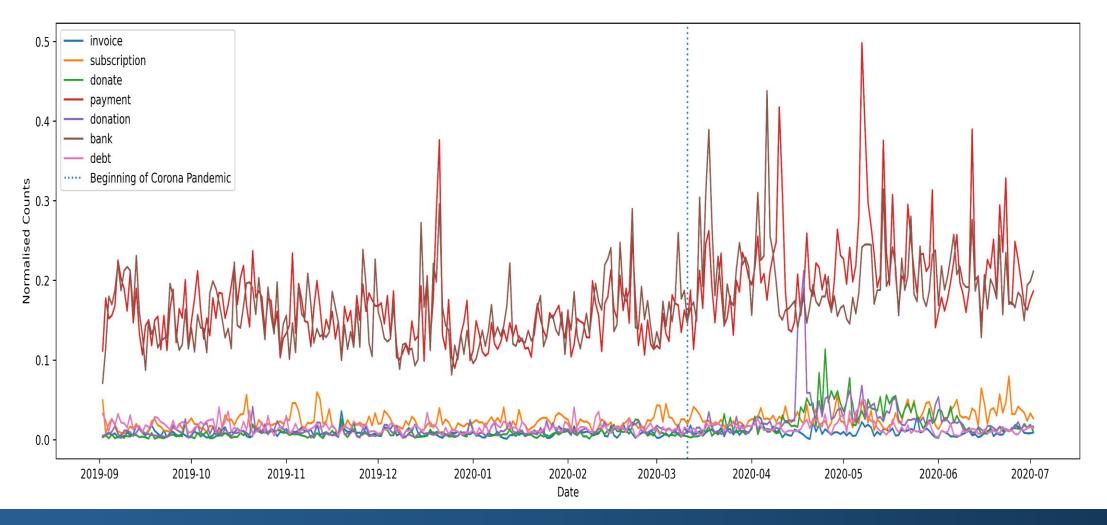
3. Covid-19-related: increase



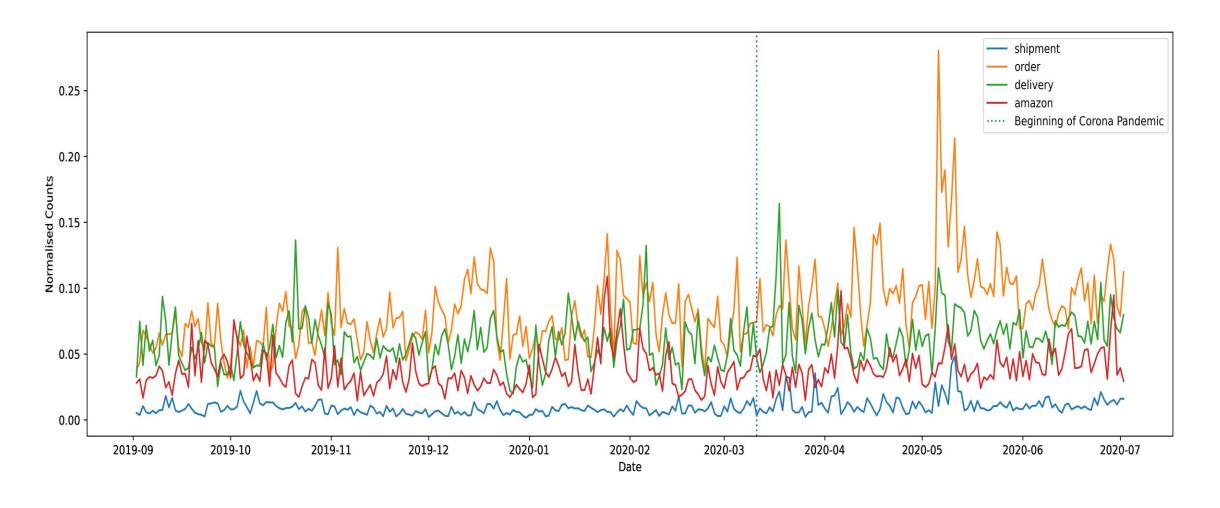
3. Medical & protection equipment: increase



3. Financial matters: increase

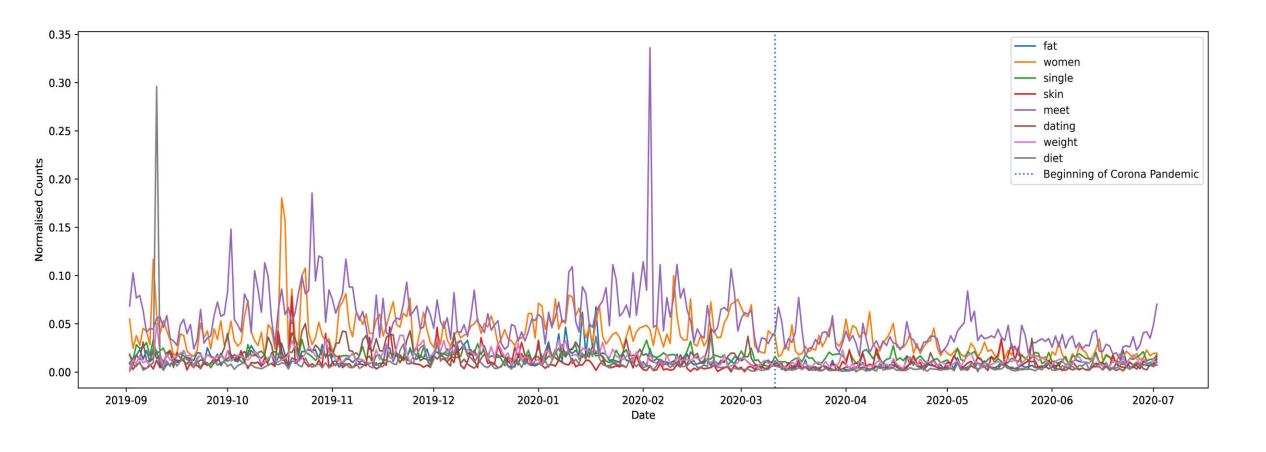


3. Order and delivery scams: increase





3. Dating, beauty, and care: decrease!





Conclusion: increases in:

Frequency of phishing

Perc. Attachments

Covid-19 & medical equipment: increased

Financial & order & delivery: increased

BUT Decrease in category 'Dating, beauty and care'



Conclusion: the pandemic & phishing

New routines of potential victims & potential attackers

- New opportunities for attackers
- Larger pool of potential victims
- Rational Choice model: new cost-benefit ratio for attackers
- Independent of all individual causes of crime



Laan, Jip, Abhishta, Junger Marianne (in progress). The impact of the Covid-19 on phishing frequency and content.

