

CYBER SECURITY

cyber threats & ransomware
attacks in Italy Europe

**Welcome
Everybody!**



Oren Elimelech, Mentor

Cyber Security Researcher, Expert, Adviser & Speaker
Chief Information Security Officer - CISO, CISM, CRISC, CISSP,
CISA, CEH, ENCE, PCIP, CDSPE

Warning

Know your objectives



Attention!

In this webinar we discuss hacking techniques and display common software attacks for educational purposes only.

Using these techniques without written authorization is illegal and could result in penalties, financial liability and in some cases act of terrorism.

cyber threats & ransomware attacks in Italy Europe

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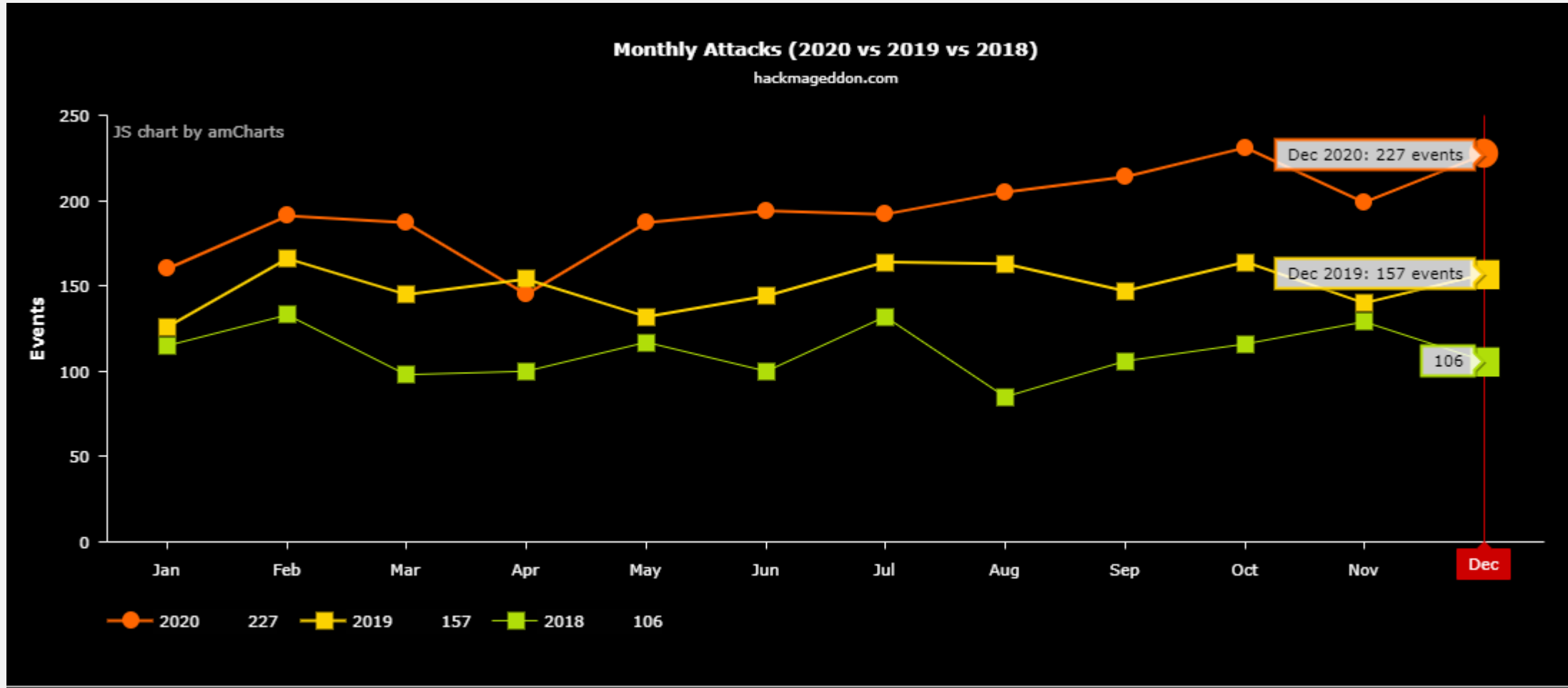


cyber threats & ransomware attacks in Italy

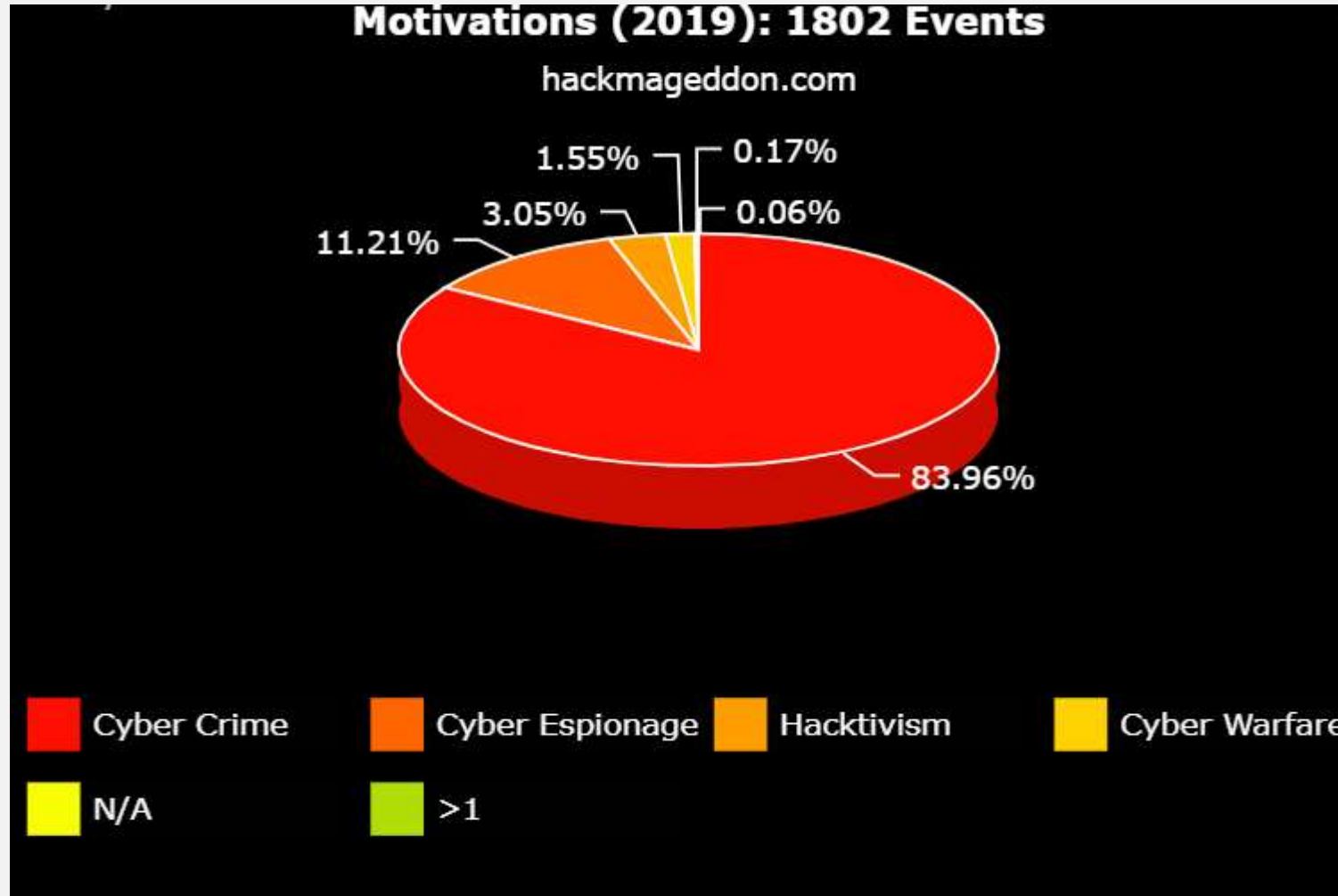
Who are you? About myself

- Age 45 – Computer & IDF Electronics Practical Engineer
- Cyber Security & Privacy Researcher, Expert & Adviser
- Research Associate @ International Institute for Counter-Terrorism ICT-IDC
- Cyber Security Adviser @ Israel Ministry of Transport and Road Safety
- DPO & Adviser @ Weizmann Institute
- CISO, CISM, CRISC, CISA, CISSP, CEH, PCIP, GDPR-F, CFR, CCIE, EnCE, CHFI, CDSPE and others... (CCNA, CCIE etc.)
- Founder of **CyberTeam360** - a cybersecurity solutions boutique firm and research hub, providing high-end specialized tailored security governance, assessments, PenTests, training and consulting services and Incident Response for private sectors & Enterprises

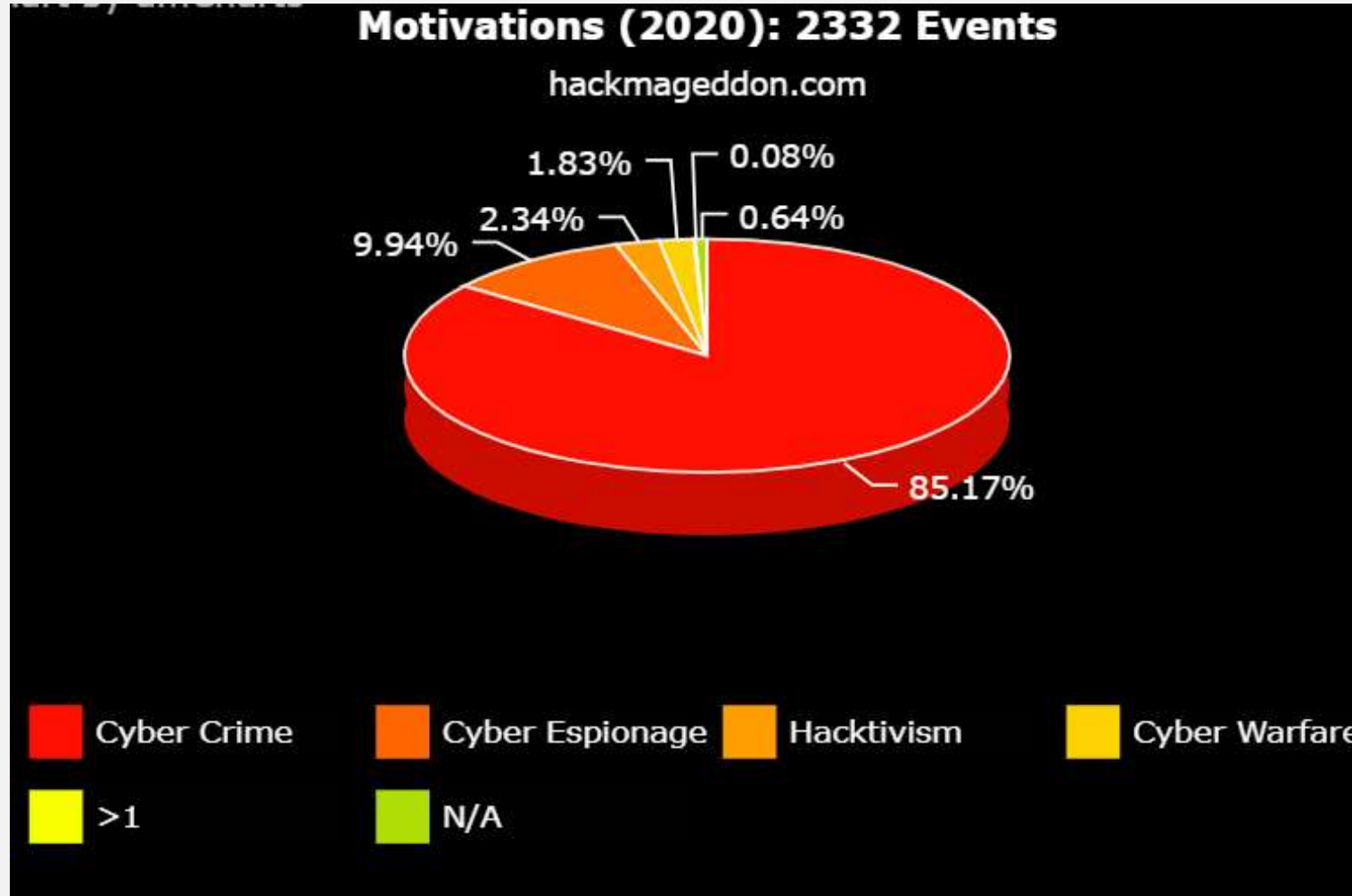
2020 Cyber Statistics



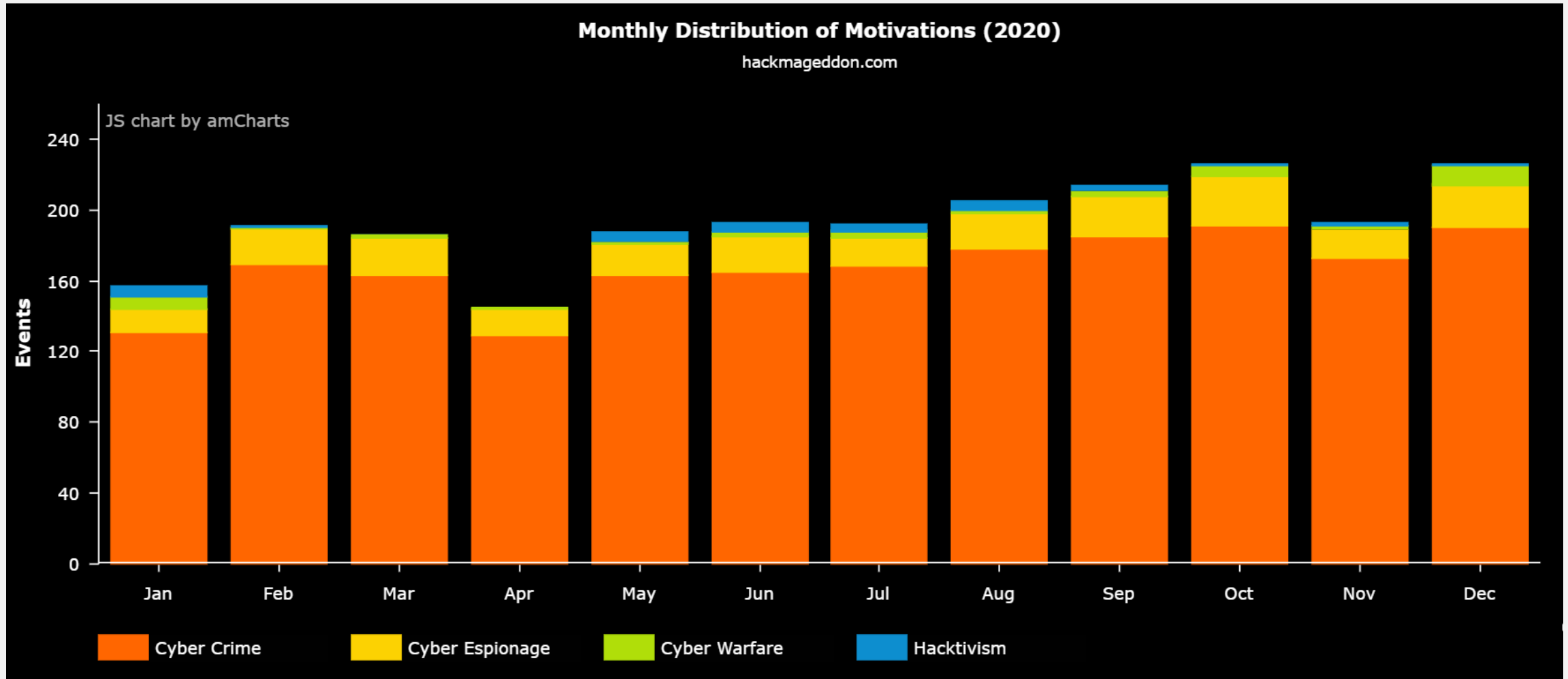
2020 Cyber Statistics



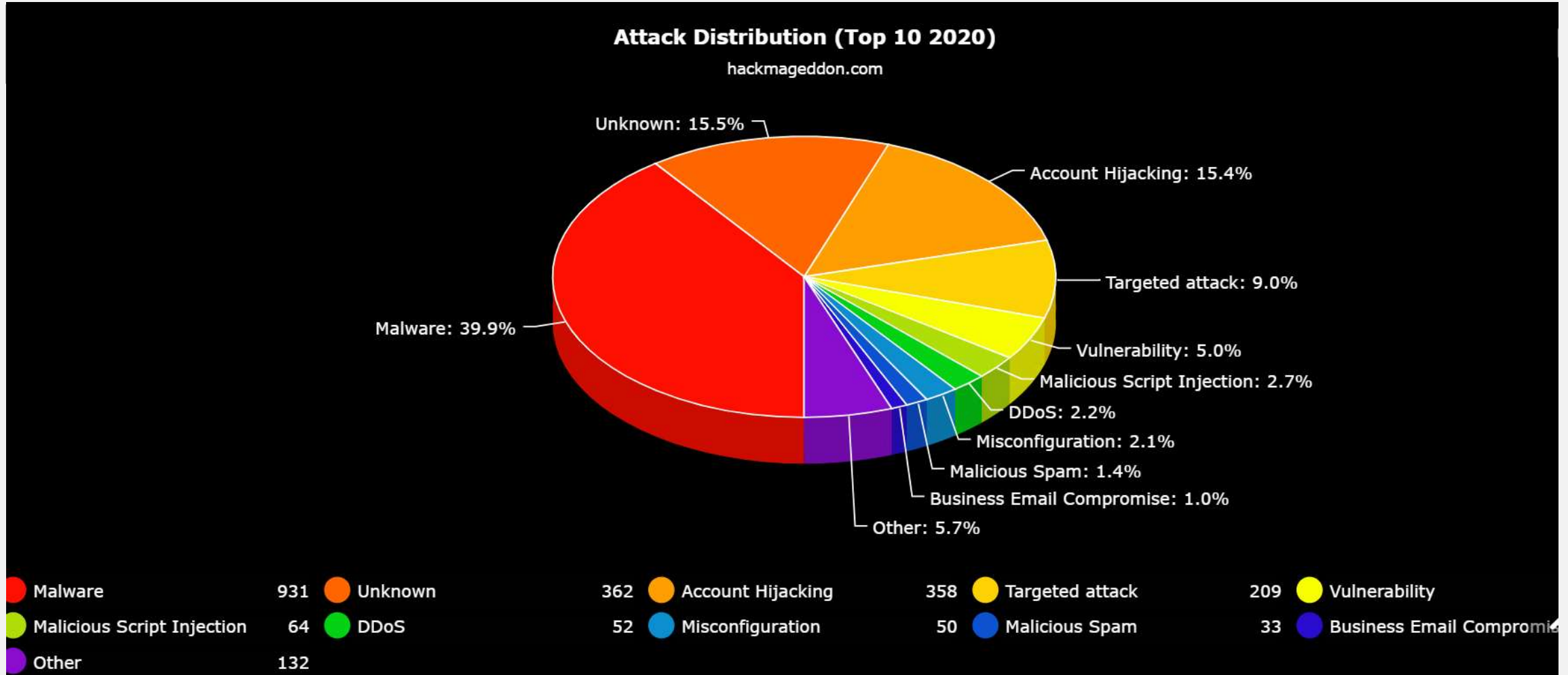
2020 Cyber Statistics



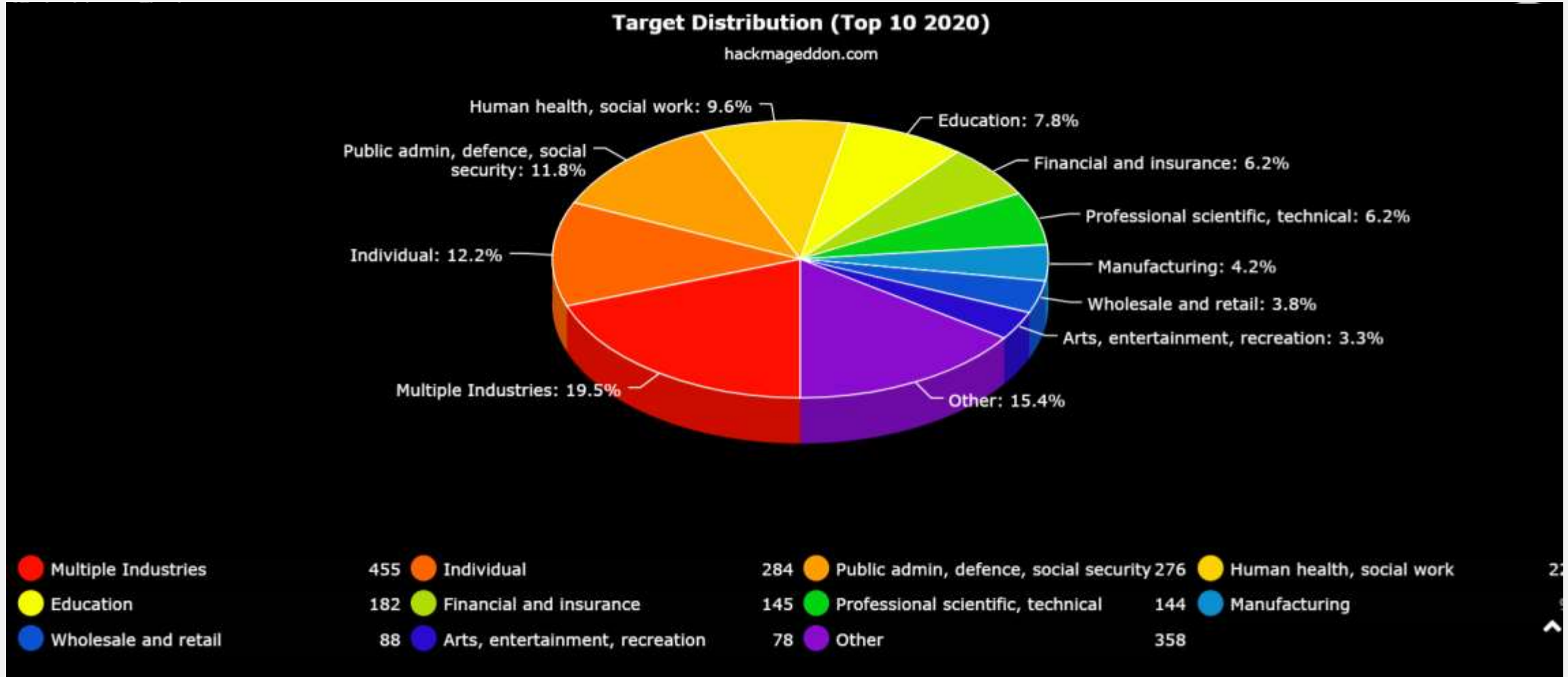
2020 Cyber Statistics



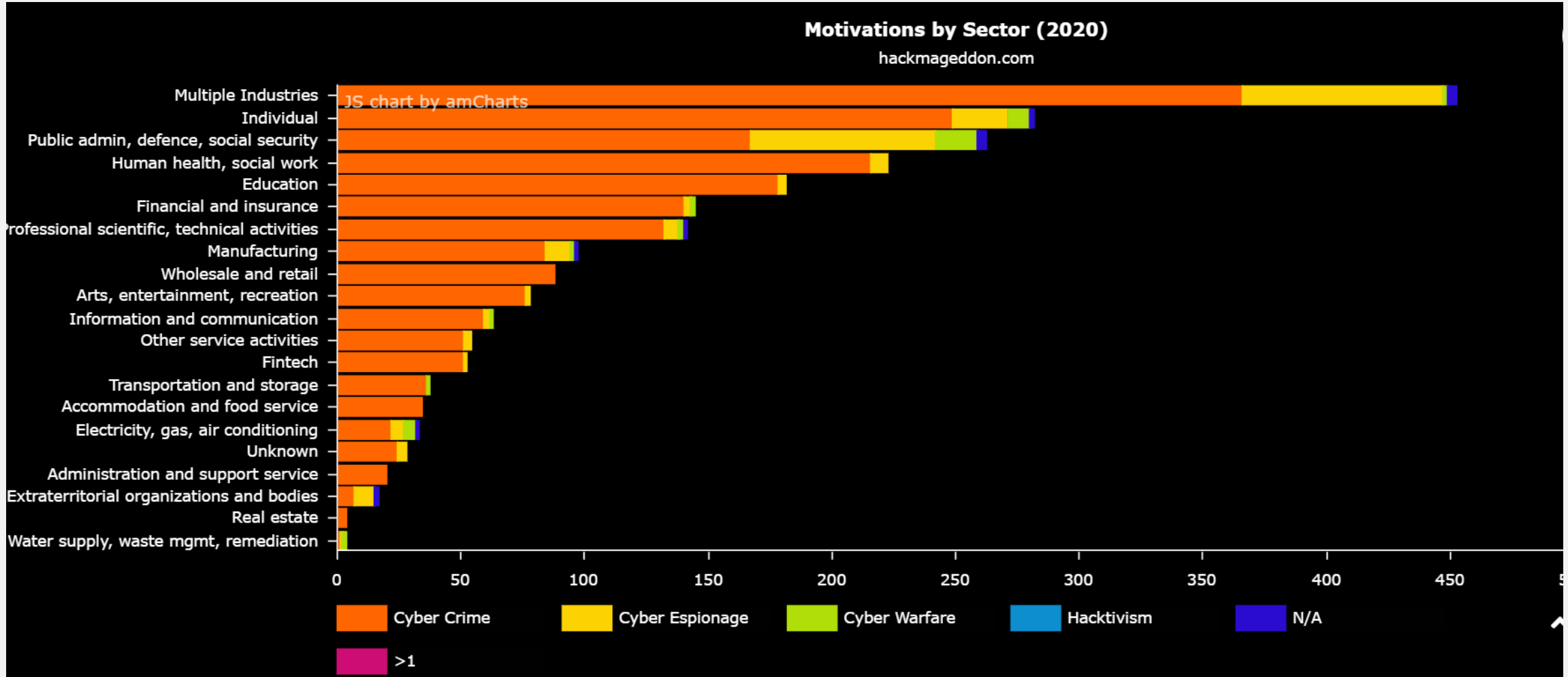
2020 Cyber Statistics



2020 Cyber Statistics



2020 Cyber Statistics



Increased Volume & Breach Level in Italy

VMware Cyber Security Threat Survey Report*

- Report is based on research executed Q1-Q2 2020
- Based on a survey of 255 Italian CIOs, CTOs and CISOs
- The research found an increase in both cyberattack volume and breaches during the past 12 months in Italy
- This has prompted increased investment in cyber defence, with Italian businesses already using an average of more than eight different cybersecurity tools, the survey found

* Extended Enterprise Under Threat

Increased Volume & Breach Level in Italy

Cyber Security Report key findings

- 98% said attack volumes have increased in the last 12 months
- 99% said their business has suffered a security breach in the last 12 months
 - The average organization said they experienced 2 breaches during that time, the survey found
- 85% said attacks have become more sophisticated
- 99% said they plan to increase cyber defence spending in the coming year, according to the survey.

Increased Volume & Breach Level in Italy

Cyber Security Report key findings

- Island-hopping (Supply-Chain attacks) was the leading cause of breaches according to the survey, followed by OS vulnerabilities and web application attacks
- Italian companies said they are using an average of 8 different security technologies to manage their security programme

Increased Volume & Breach Level in Italy

Island hopping leading cause of breaches in Italy

- The most common cause of breaches in Italy was identified as island-hopping, aka: Suppl-Chain attack (26%) as the attack vectors in the supply chain prove an easy target for hackers
- This was followed by OS vulnerabilities (18%) and web application attack (14%), according to the survey. Italian companies said they are using an average of 8 different security technologies to manage their security programme
- 11% of survey respondents citing Supply-Chain attacks as the main cause

Increased Volume & Breach Level in Italy

COVID-19 Impact on the attack landscape (including Italy)

- According to more than 1,000 respondents from the US, UK, Singapore and Italy
- 90.5% of Italian cybersecurity professionals said attack volumes have increased as more employees work from home
- 96% said their organizations have experienced cyberattacks linked to COVID-19 malware
 - 94% said they had witnessed increased phishing attacks, and 94% had seen more attempts at spear phishing since COVID-19 began
- 25% of Italian respondents say the inability to implement MFA is the biggest threat to business resilience they are facing right now

Increased Volume & Breach Level in Italy

Business Continuity Planning & Resilience

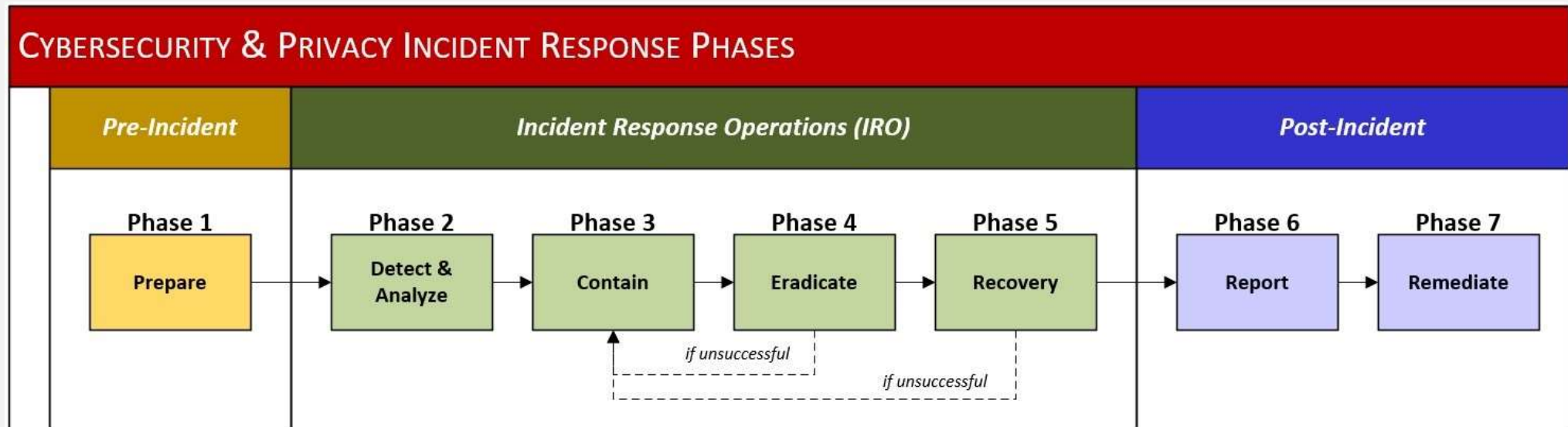
- Italian survey asked about COVID-19 exposed gaps & severity in their disaster recovery plans:
 - 90% of respondents reported gaps in recovery planning
 - 90% said they had uncovered gaps in IT operations
 - 89% said they encountered problems around enabling a remote workforce
 - 77% said they've experienced challenges communicating with employees
 - 81% said they had had trouble communicating with external parties
 - 74% said the situation uncovered gaps around visibility into cybersecurity threats



Summary

Build a solid programme and hire an IR firm

Incident Response professional methodology



PREPARDNESS AND PREVENTION

Gartner analysis of clients' ransomware preparedness shows that over **90% of ransomware** attacks are preventable

Key take a ways

Cyber Threats and Ransomware attacks

- It's clear the enterprise is under increased cyber pressure
- The global situation with COVID-19 has put the spotlight on business resilience and disaster recovery planning
- CISOs are facing difficulty in multiple areas dealing with the COVID-19 situation
- Ransomware attacks are going to stay with us for a long time as Cyber criminals need other means of income and the statistics shows the Ransomware attacks are highly profitable

REDUCE THE THREAT

Cyber Education

Backup & Encrypt
Company Data

Use Advanced
Security Tools

Hire a professional
SOC & IR team



Questions ?

thank you.





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