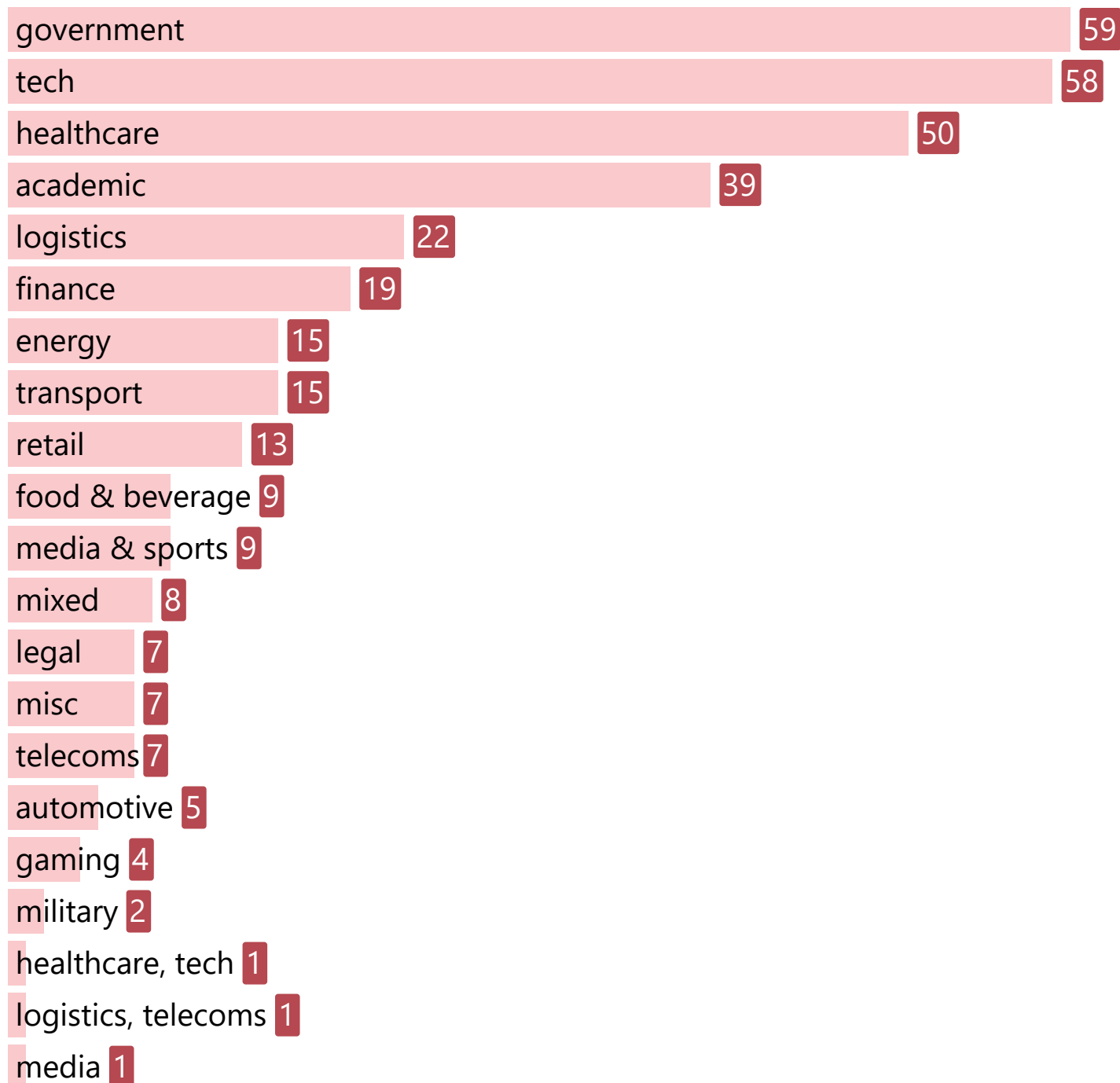
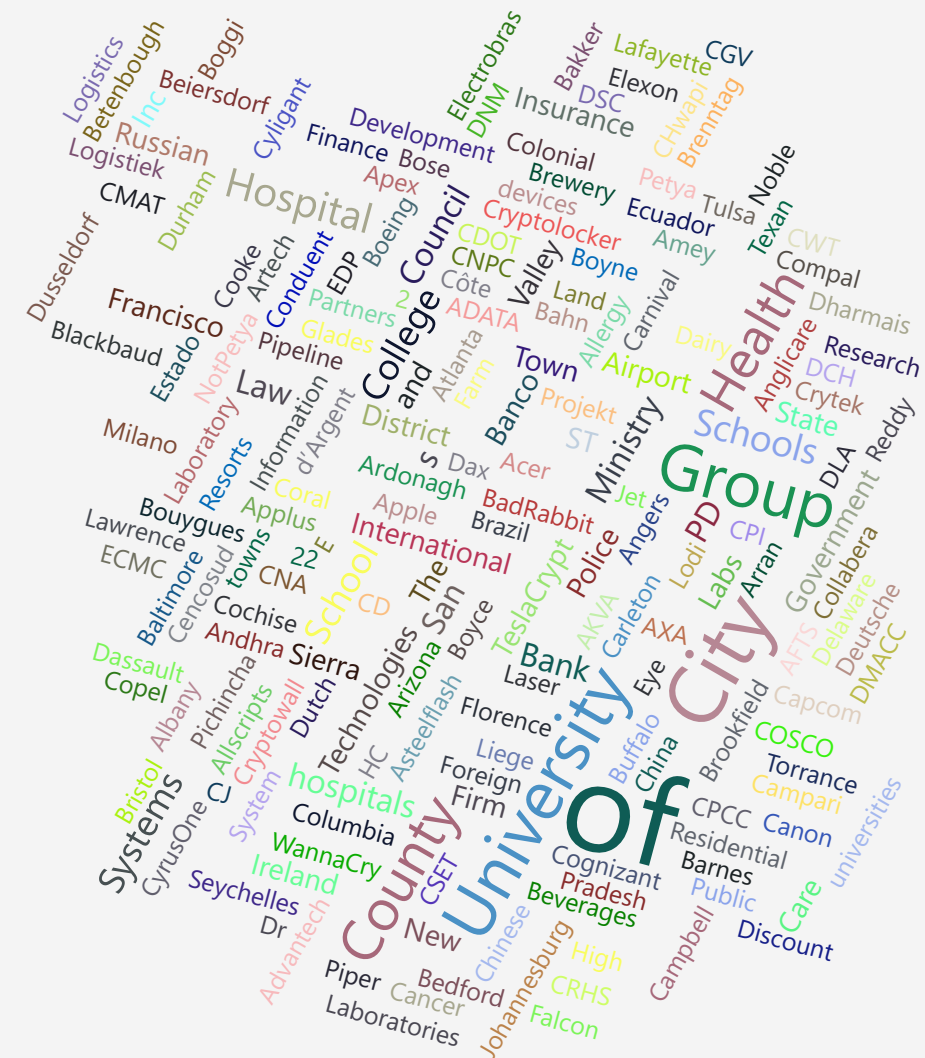


## Attacks By Sector

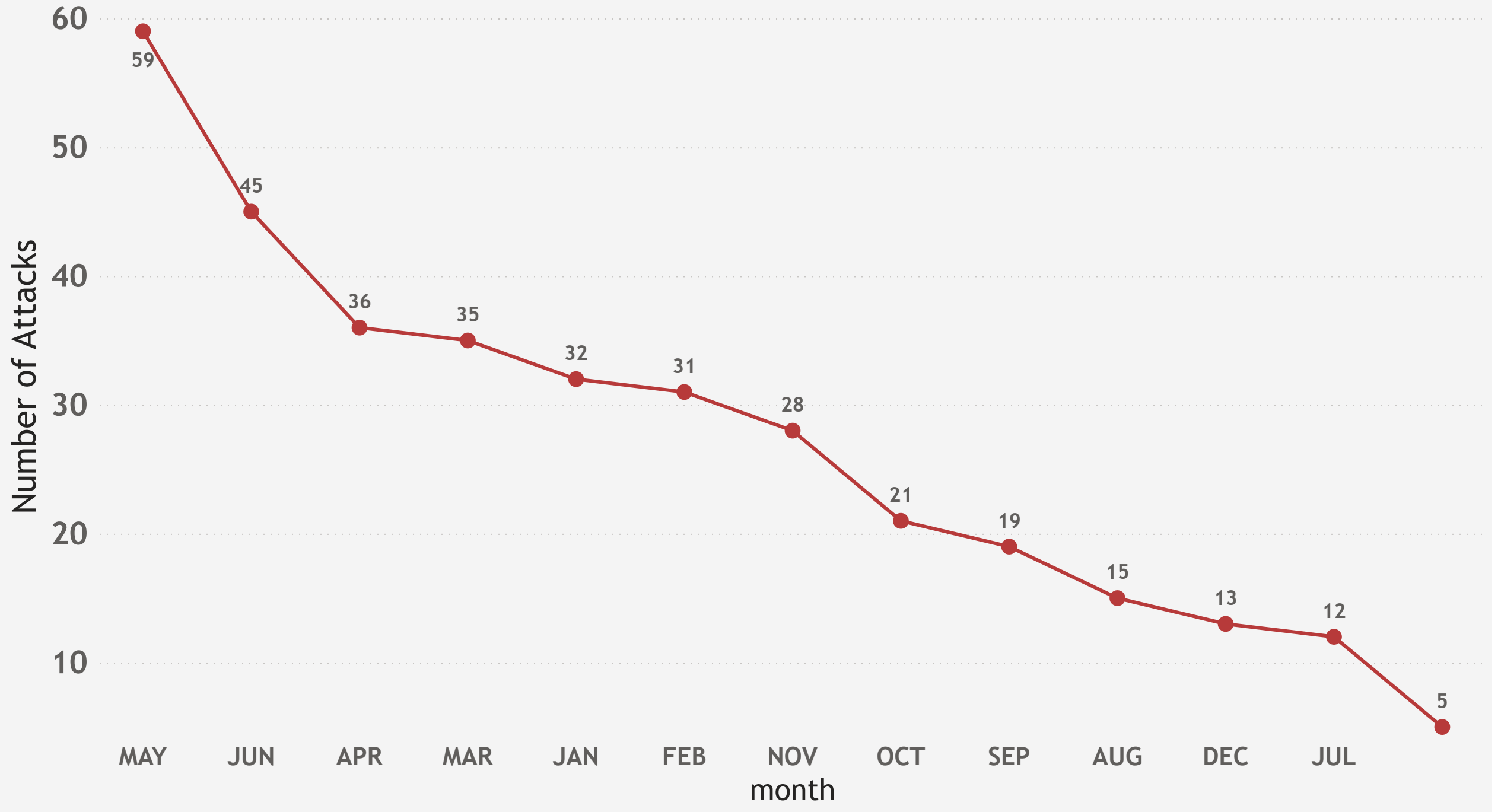


## Target Names



Select the desired sector from the bar chart to see the corresponding target names under the sector.

Attacks By Month

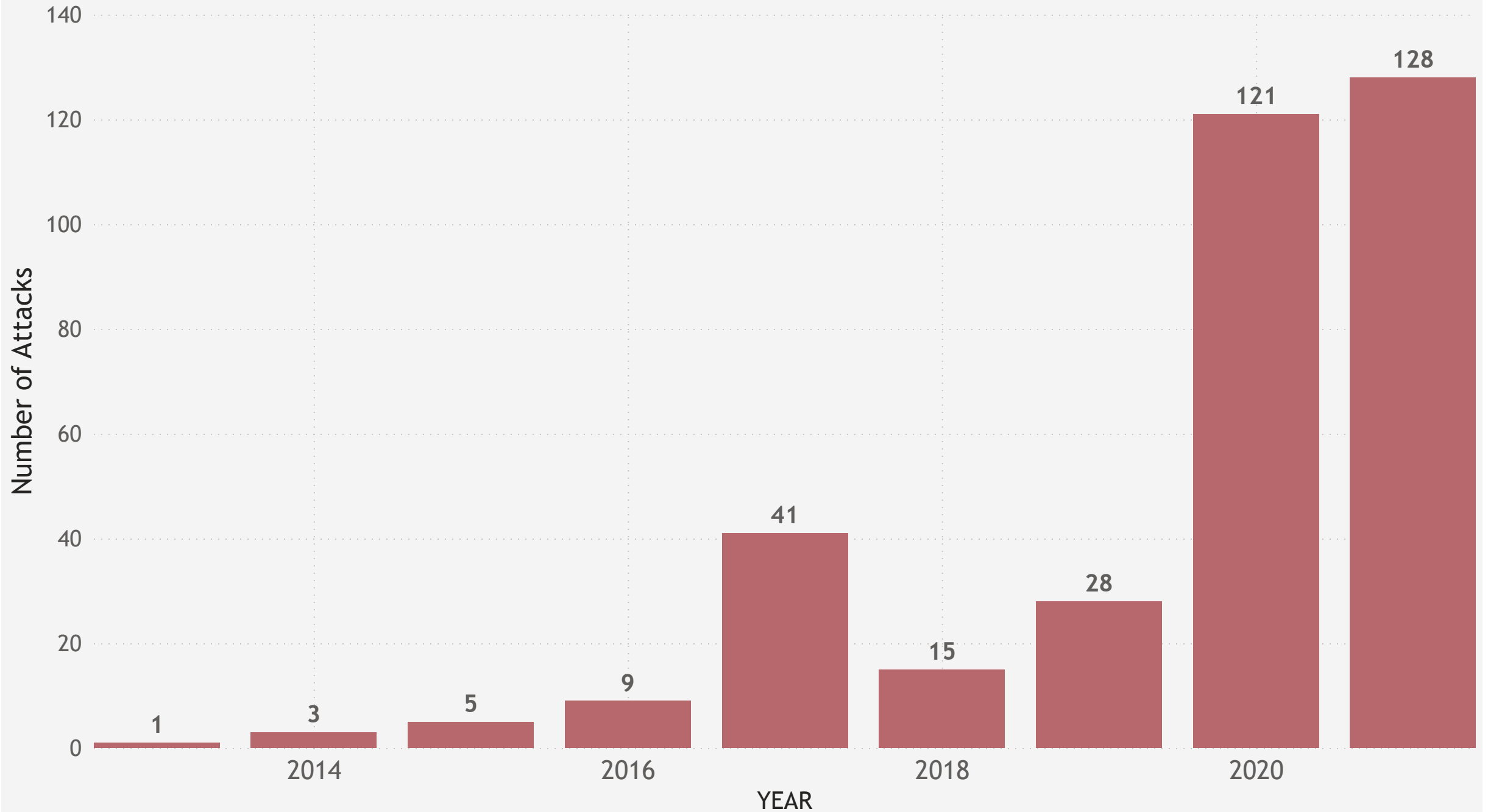


# Ransomware Attacks Location Distribution

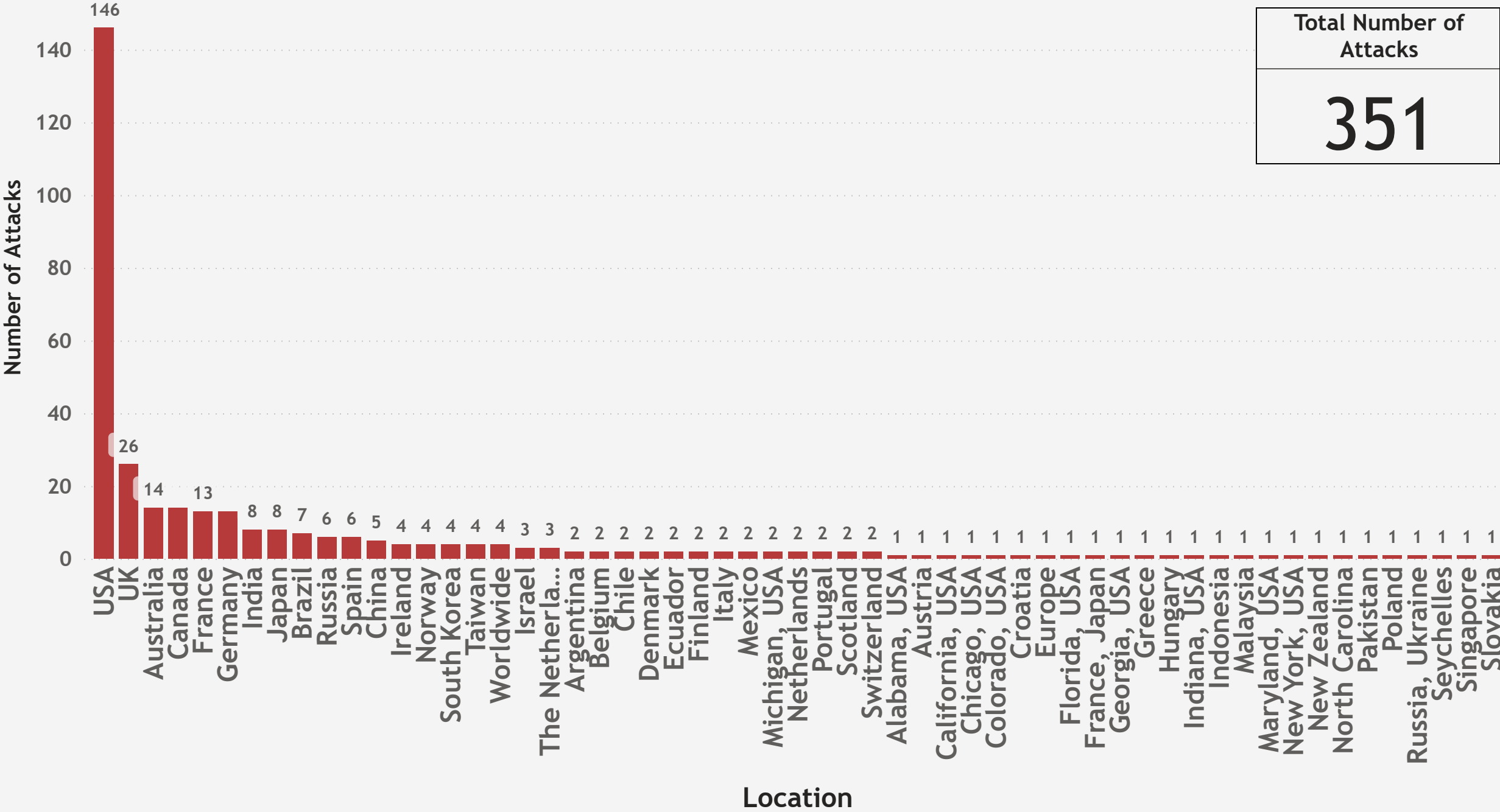
location ● USA ● UK ● Australia ● Canada ● France ● Germany ● India ● Japan ● Brazil ● Russia ▶

Month	Number of Attacks
MAY	59
JUN	45
APR	36
MAR	35
JAN	32
FEB	31
NOV	28
OCT	21
SEP	19
AUG	15
DEC	13
JUL	12

Number of Attacks By Year (According to Selected Location)



Attacks By Location

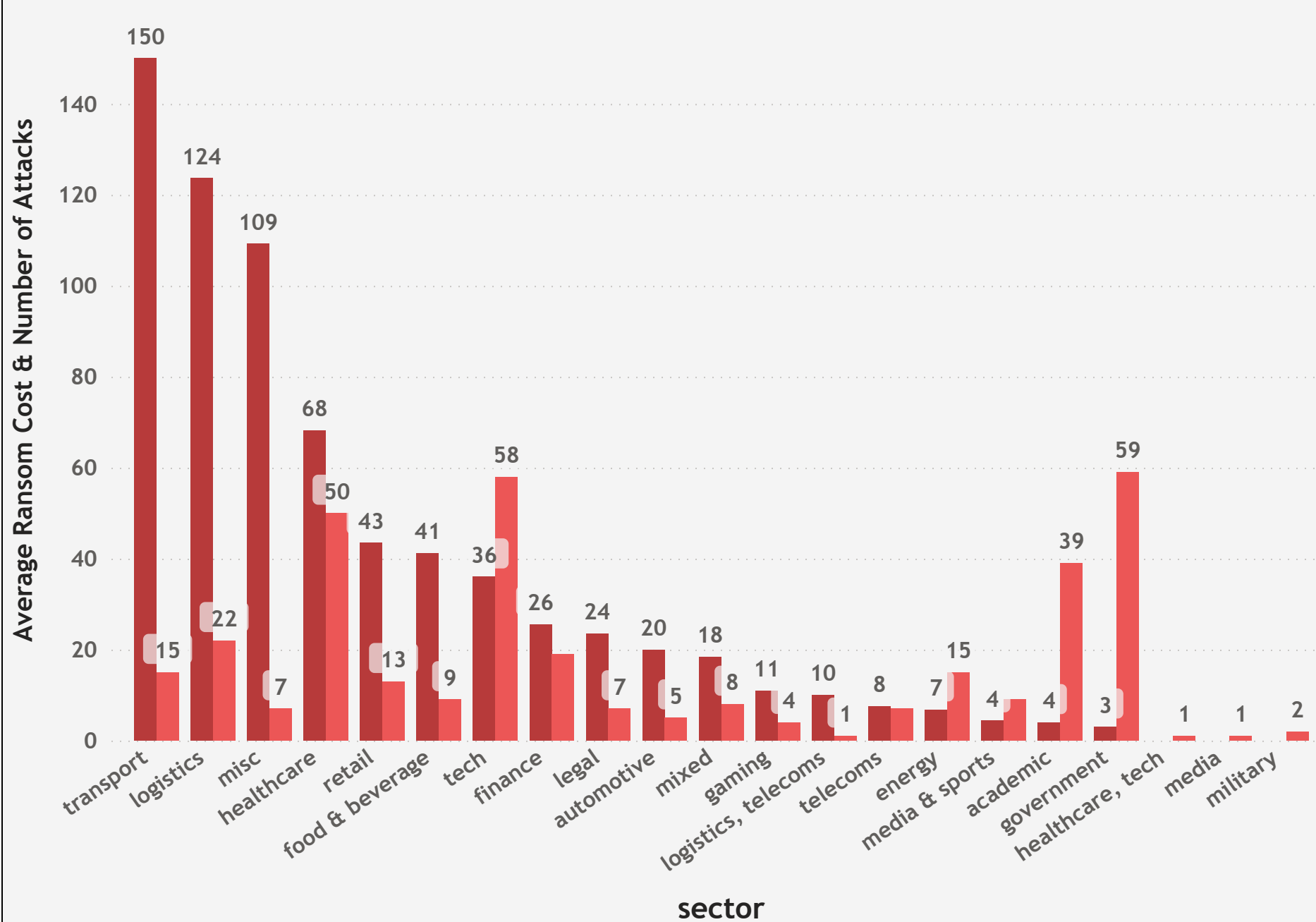


**Choose a Sector**

- ☐ academic
- ☐ automotive
- ☐ energy
- ☐ finance
- ☐ food & beve...
- ☐ gaming
- ☐ government
- ☐ healthcare
- ☐ healthcare, ...
- ☐ legal
- ☐ logistics
- ☐ logistics, tel...
- ☐ media
- ☐ media & spo...
- ☐ military
- ☐ misc
- ☐ mixed
- ☐ retail
- ☐ tech
- ☐ telecoms
- ☐ transport

## Average of Ransom Cost & Number of Attacks By Sector

● Average of ransom cost ● AverageNumberOfAttacks



Average Ransom Amount (By Sector)

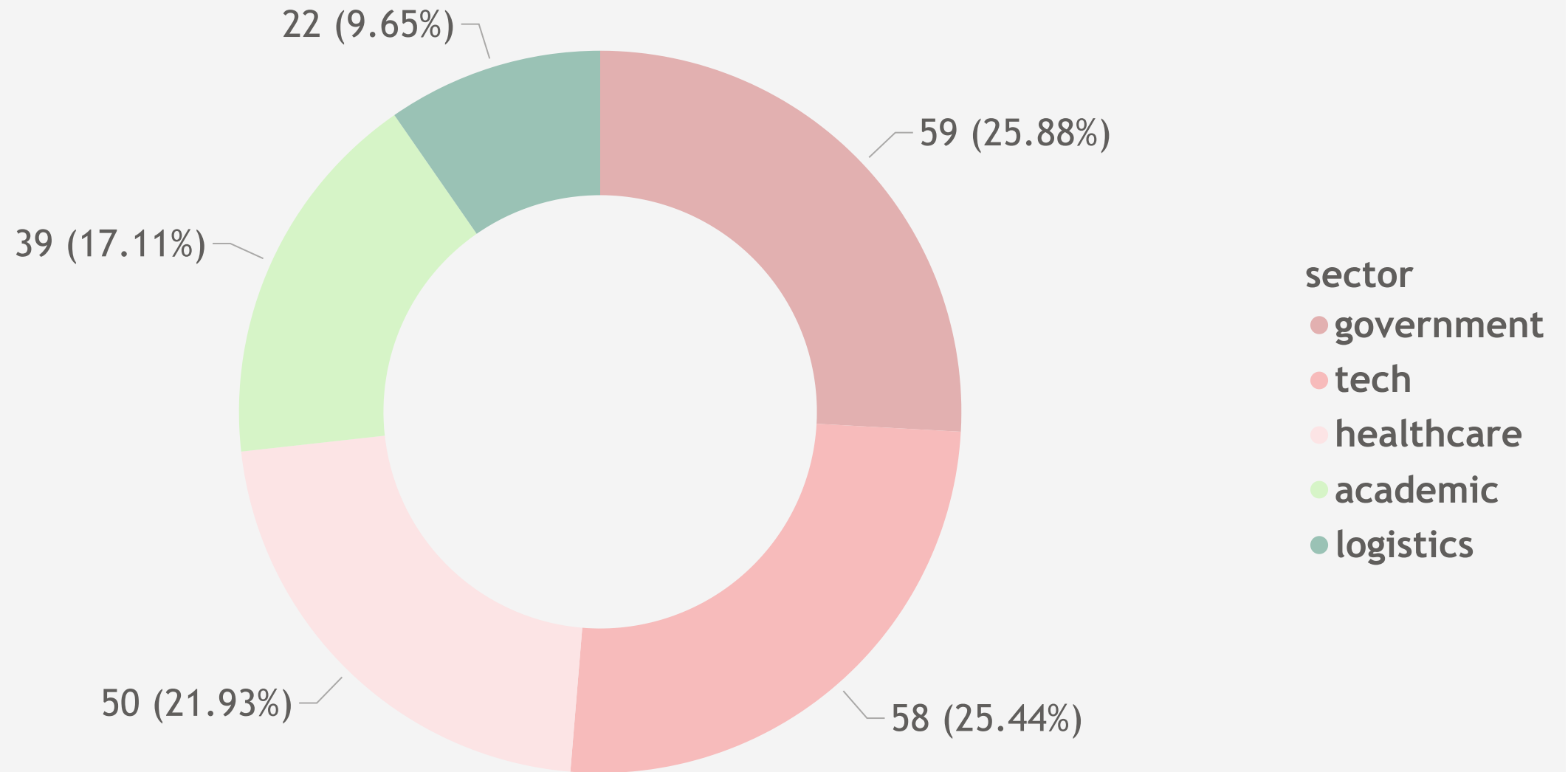
39.22

Average Number of Attacks (By Sector)

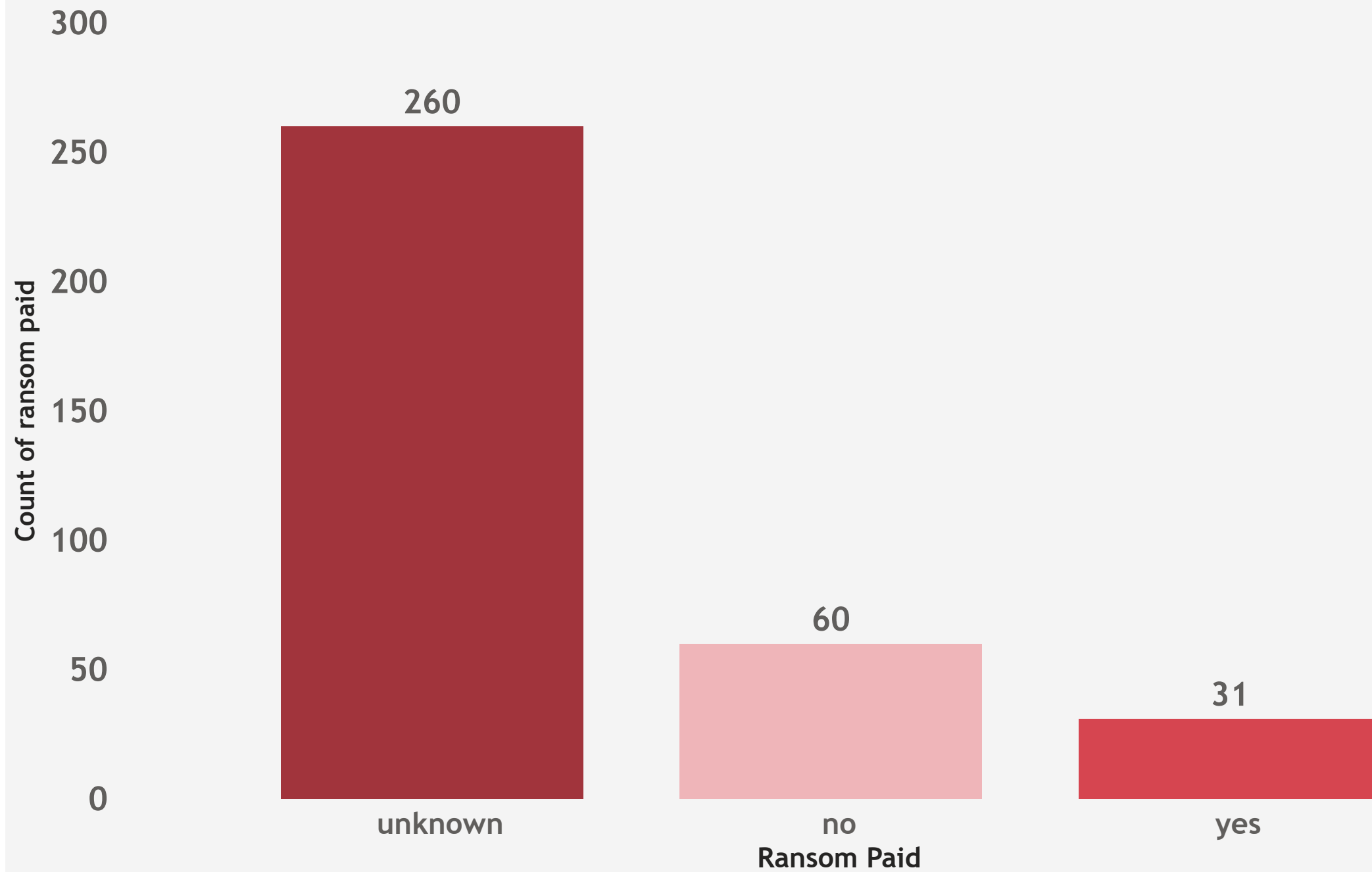
16.71

To obtain the Average Ransom Cost & Number of Attacks of a specific sector, you may select the desired sector from the provided slicer on the left side.

## Top 5 Most Frequently Affected Sectors



Ransom Paid Distribution

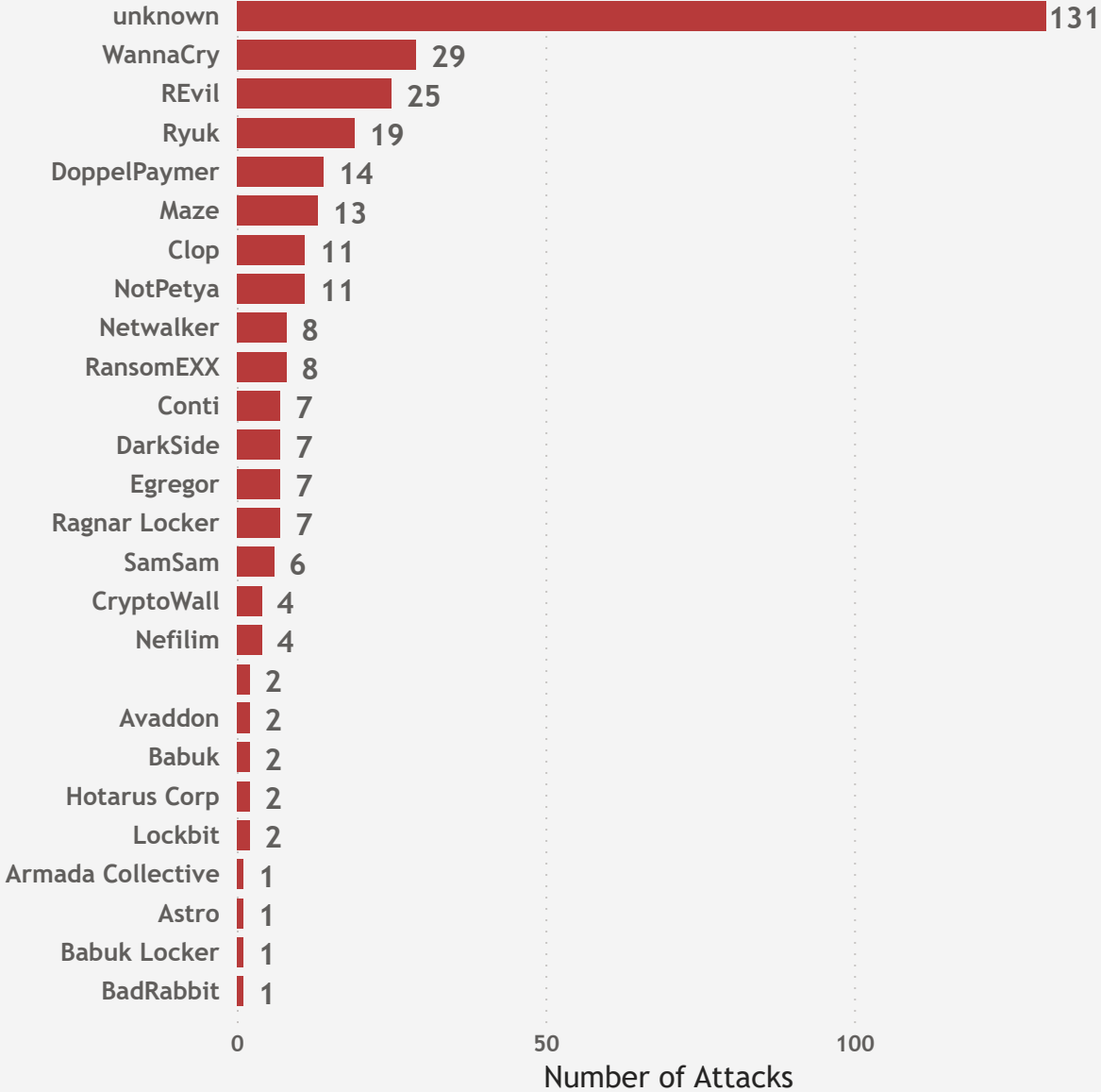






# Ransomware Type Distribution

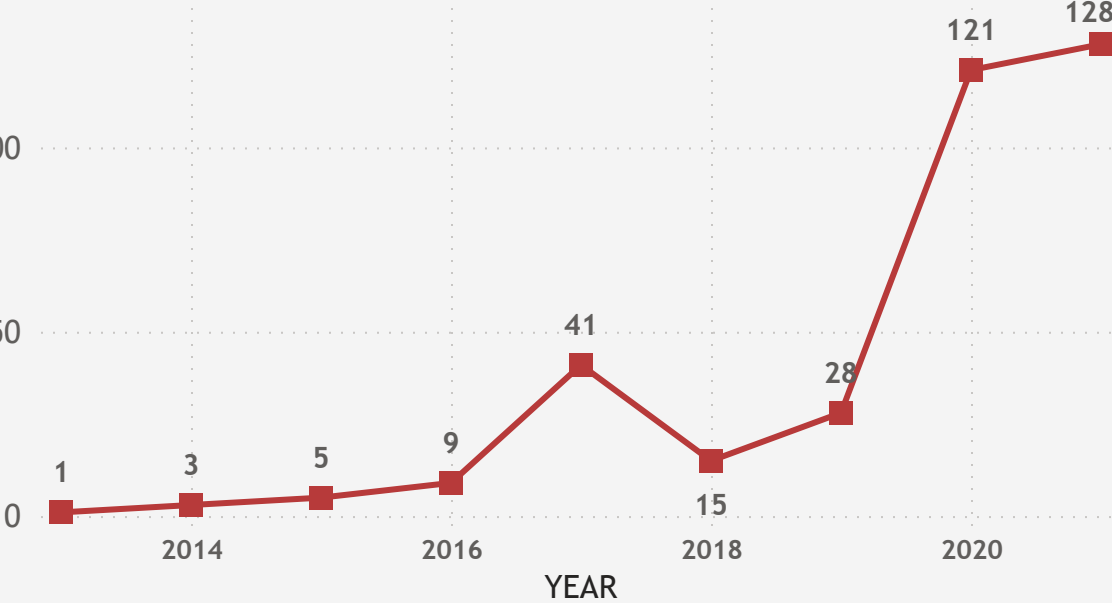
Ransomware



You may use the above chart to choose a specific ransomware type for analysis. After selecting a type, you will be able to see its corresponding data in the 'Number of Attacks By Year' chart and the 'Total Ransom Cost By Year' chart.

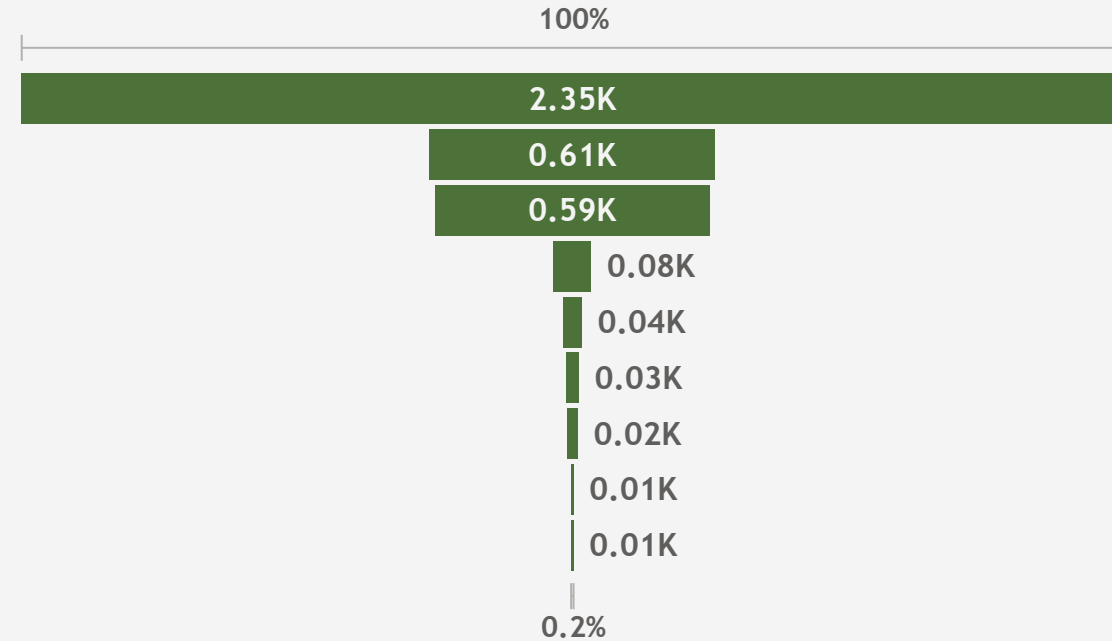
## Number of Attacks By Year

Number of Attacks

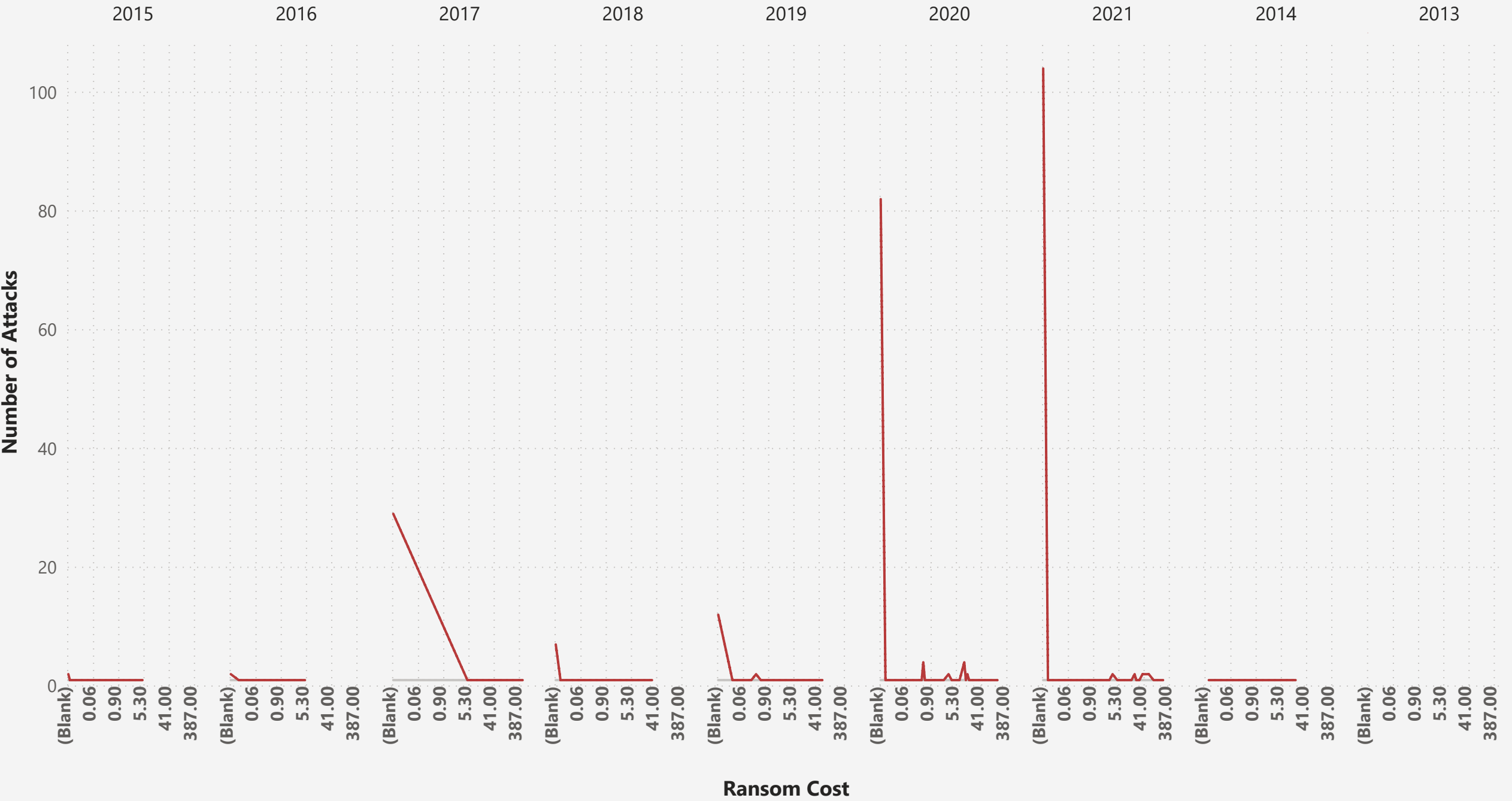


## Total Ransom Cost By Year

2017  
2021  
2020  
2019  
2018  
2013  
2014  
2016  
2015

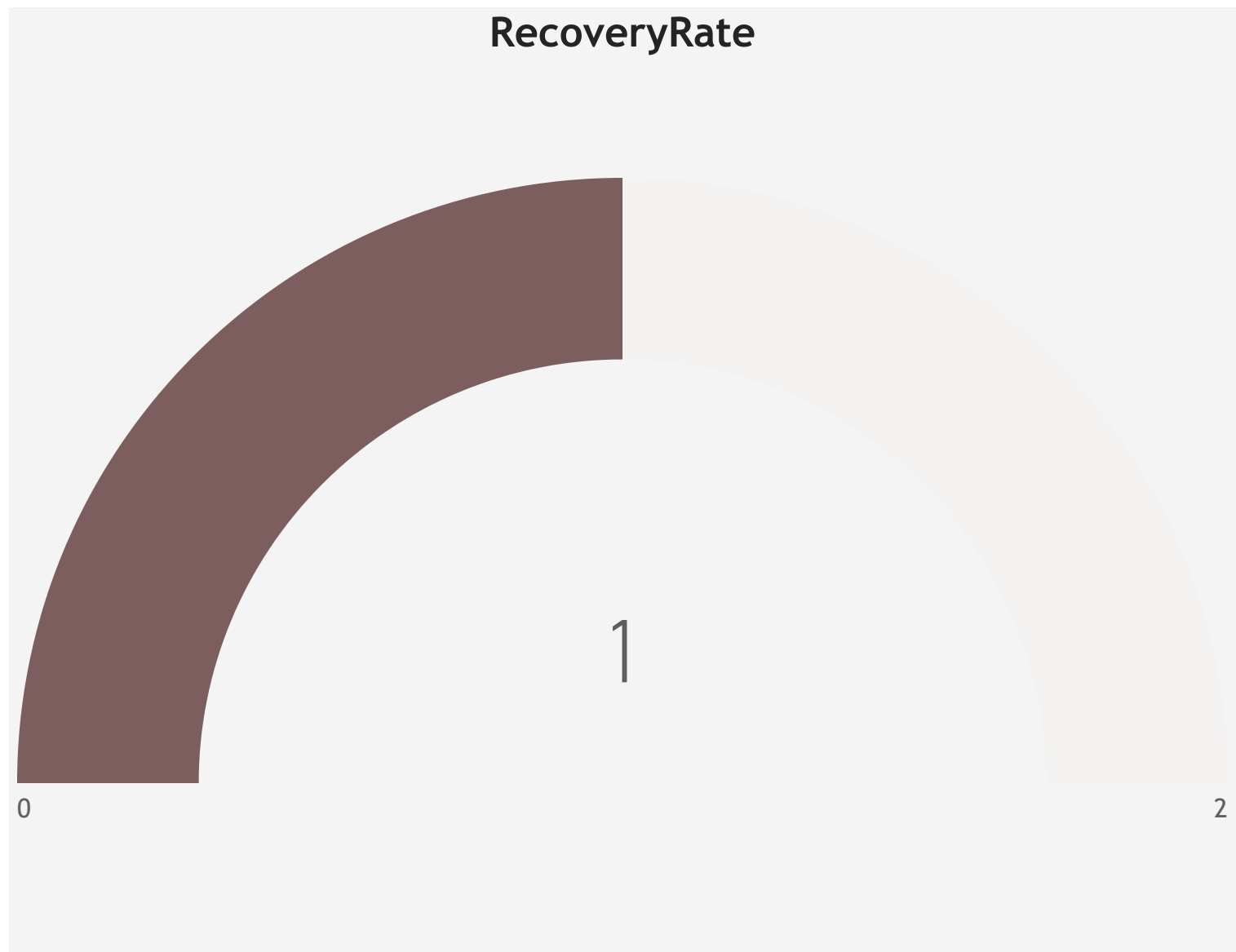


Total Number of Attacks & Ransom cost By Year



**Choose a Sector**

- ☐ academic
- ☐ automotive
- ☐ energy
- ☐ finance
- ☐ food & beve...
- ☐ gaming
- ☐ government
- ☐ healthcare
- ☐ healthcare, ...
- ☐ legal
- ☐ logistics
- ☐ logistics, tel...
- ☐ media
- ☐ media & spo...
- ☐ military
- ☐ misc
- ☐ mixed
- ☐ retail
- ☐ tech
- ☐ telecoms
- ☐ transport



**Note: There is not enough information in the dataset to calculate downtime**

**RecoveryRate sector**

1	academic
1	automotive
1	energy
1	finance
1	food & beverage
1	gaming
1	government
1	healthcare
1	healthcare, tech
1	legal
1	logistics
1	logistics, telecoms
1	media
1	media & sports
1	military
1	misc
-15	mixed
1	retail
1	tech
1	telecoms
1	transport

## Data Insights

- The **government** sector experienced the **highest** number of ransomware **attacks**, accounting for approximately **59** of the total **351** attacks. This underscores the critical **importance** of implementing robust **security measures** to safeguard government organizations.
- The year **2021** witnessed the **highest** number of ransomware **attacks**, totaling **128** incidents, while **2013** saw the **lowest** with only **1** attack. This trend indicates a **significant increase** in ransomware attacks over the years, calling for urgent **attention & effective preventive measures**.
- A **majority** of the attacks occurred in **May**, and the monthly trend suggests that a **higher** number of **attacks** take place in the **first half of the year**. This pattern highlights the **need for heightened security measures** during these months to protect systems effectively.
- The **United States** was the **most vulnerable location**, experiencing approximately **146** out of the total **351** attacks. This emphasizes the need for **enhanced security measures in the USA** to counter ransomware threats effectively.
- On average, **highest number of attacks** were targeted towards the **government** sector, around **59** however, the **transport** sector faced the **highest average demanded ransom cost**, approximately **150 million dollars**.
- The **known ransomware attack type** that occurred **most frequently** was "**WannaCry**," accounting for approximately **29** of the total attacks which makes it a significant & widespread threat.
- The **government, tech, healthcare, academic, and logistics sectors** were the **most frequently attacked** sectors, signifying the need for **extra protection and proactive security measures** in these industries.
- The **average ransom amount** demanded in ransomware attacks was around **45.4 million dollars**. This figure highlights the **severe financial damage** that companies may suffer if they become **victims** of ransomware attacks.
- Most sectors had an **average recovery rate** of around **1**, indicating that **successful recovery** from ransomware attacks **remains a challenge** across various industries.

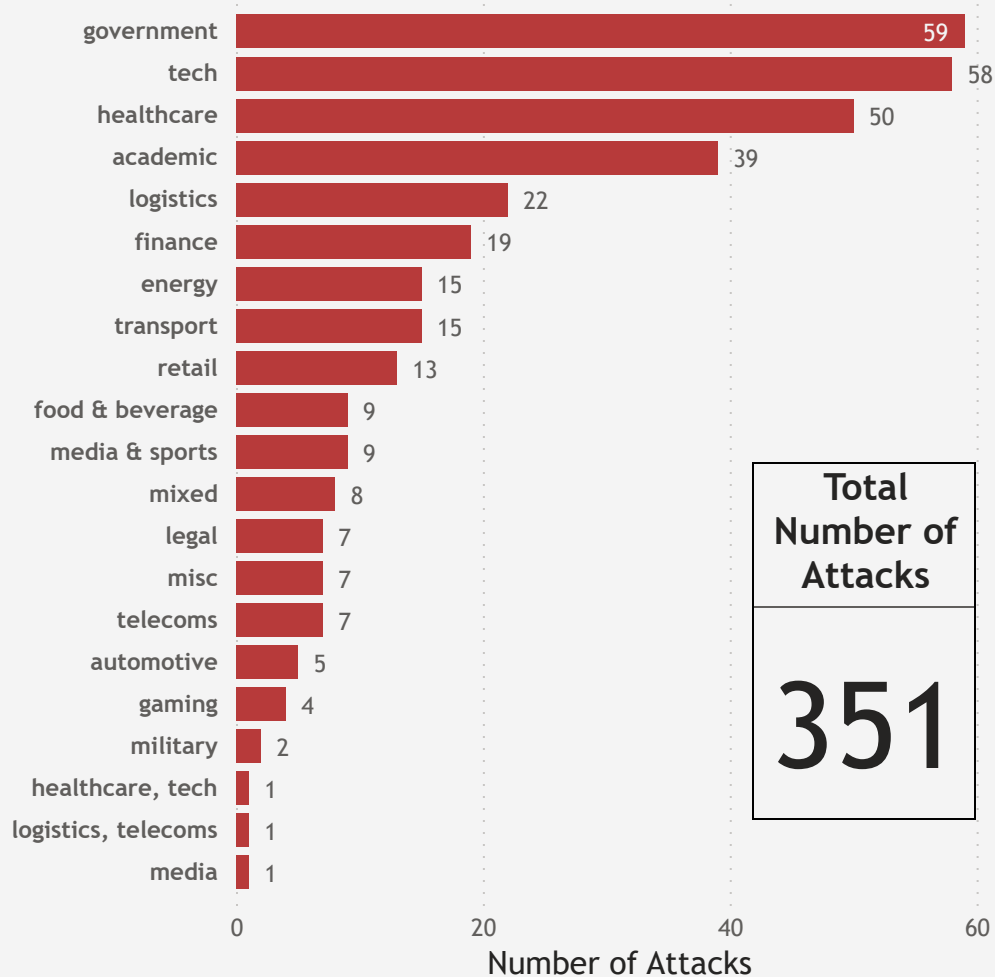
## **Conclusion**

The analysis of ransomware attacks data reveals the critical need for comprehensive cybersecurity measures across sectors. The government sector, in particular, requires heightened attention due to its frequent targeting by ransomware attacks & USA is the most vulnerable location. Most demanded ransom amount on average was from transport sector. The results also indicates that the most common type of ransomware strain used in the attacks was "WannaCry". As ransomware attacks continue to increase & industries find it hard to recover successfully from these attacks, organizations must prioritize security and implement preventive measures to protect their systems and data effectively.



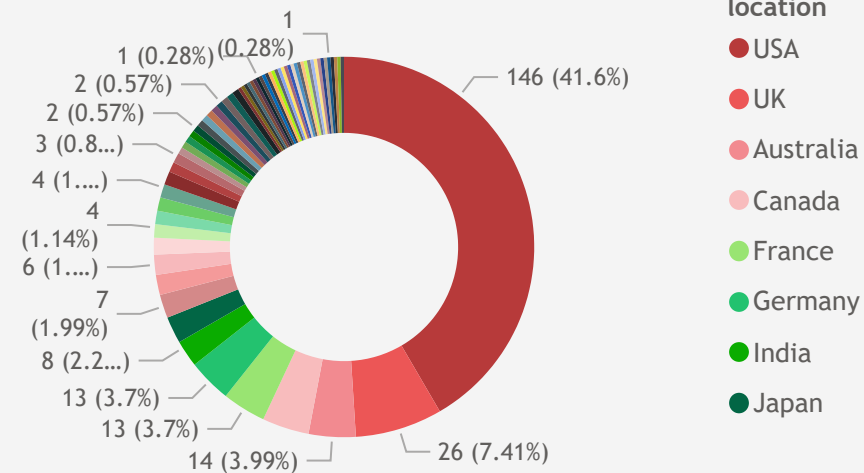
## Number of Attacks By Sector

sector



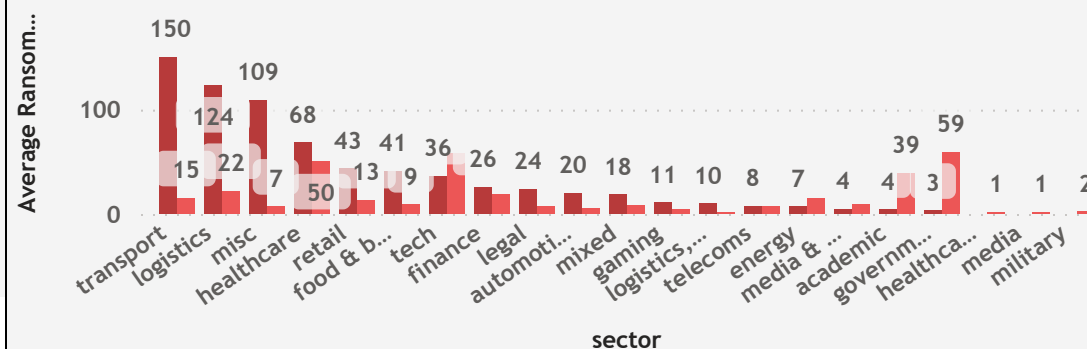
## Attacks By Location

location



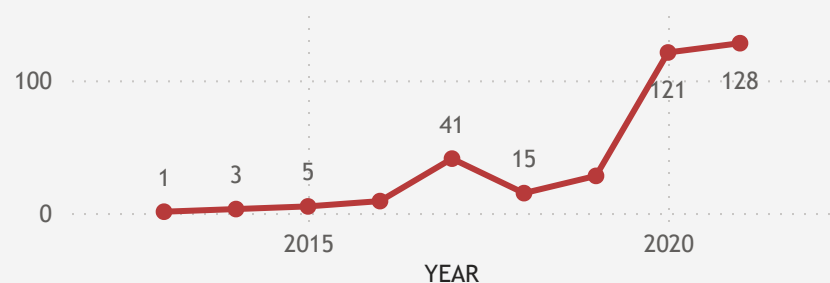
## Average of Ransom Cost & Number of Attacks By Sector

● Average of ransom cost ● AverageNumberOfAttacks



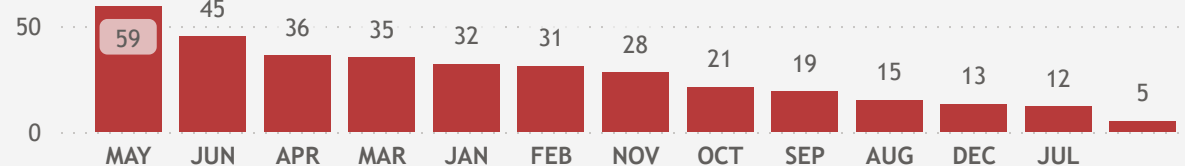
## Number of Attacks By Year

Number of Attacks



## Number of Attacks By Month

Attacks



## Choose a Sector

- ☐ academic
- ☐ automotive
- ☐ energy
- ☐ finance
- ☐ food & beverage
- ☐ gaming
- ☐ government
- ☐ healthcare
- ☐ healthcare, tech
- ☐ legal
- ☐ logistics
- ☐ logistics, telecoms
- ☐ media
- ☐ media & sports
- ☐ military
- ☐ misc
- ☐ mixed
- ☐ retail
- ☐ tech
- ☐ telecoms
- ☐ transport

Choose a Sector from above provided slicer to get relevant information.