TELEKOM AI HACKATHON FOR DIVERSITY

DETECT TO PROTECT

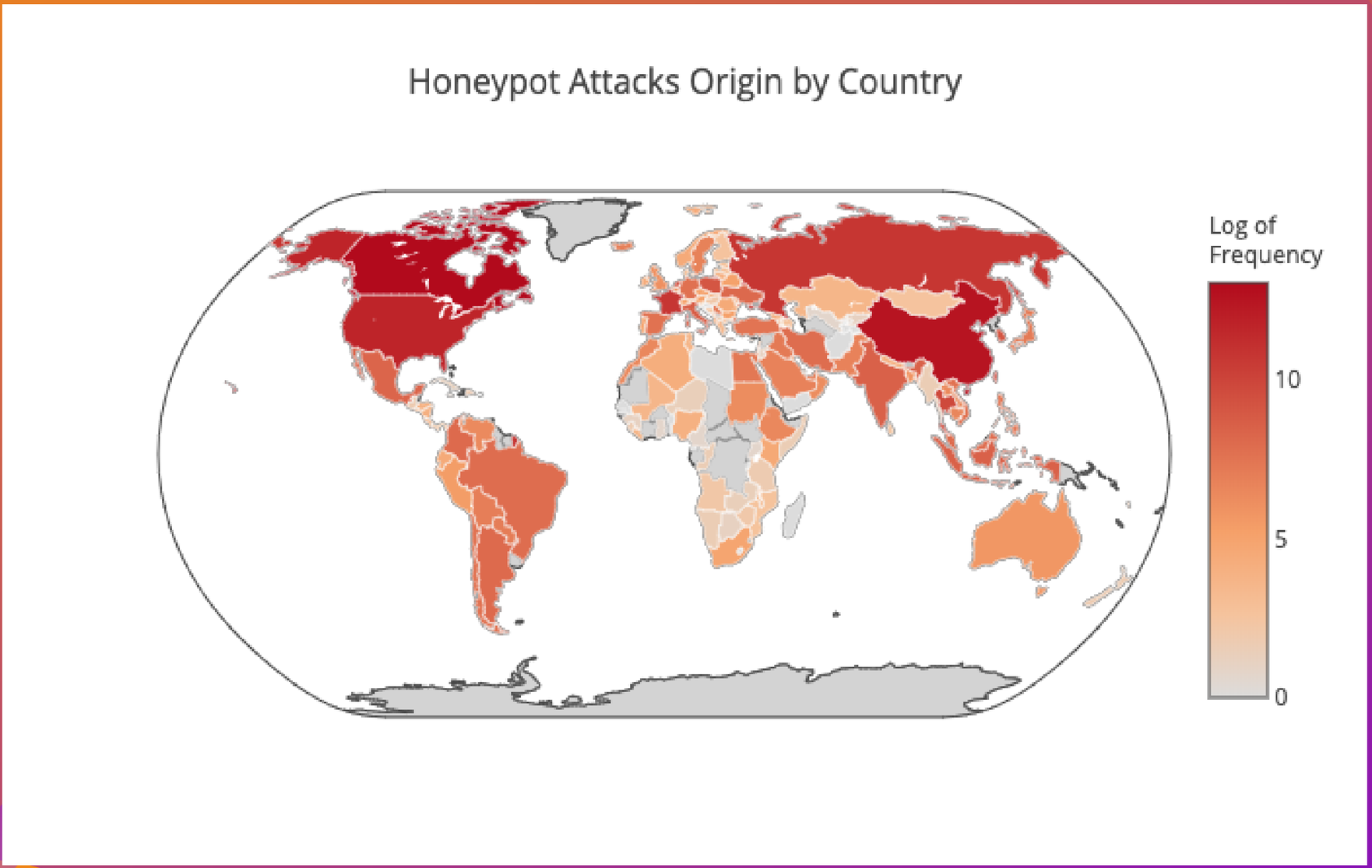
Team Green

Challenge

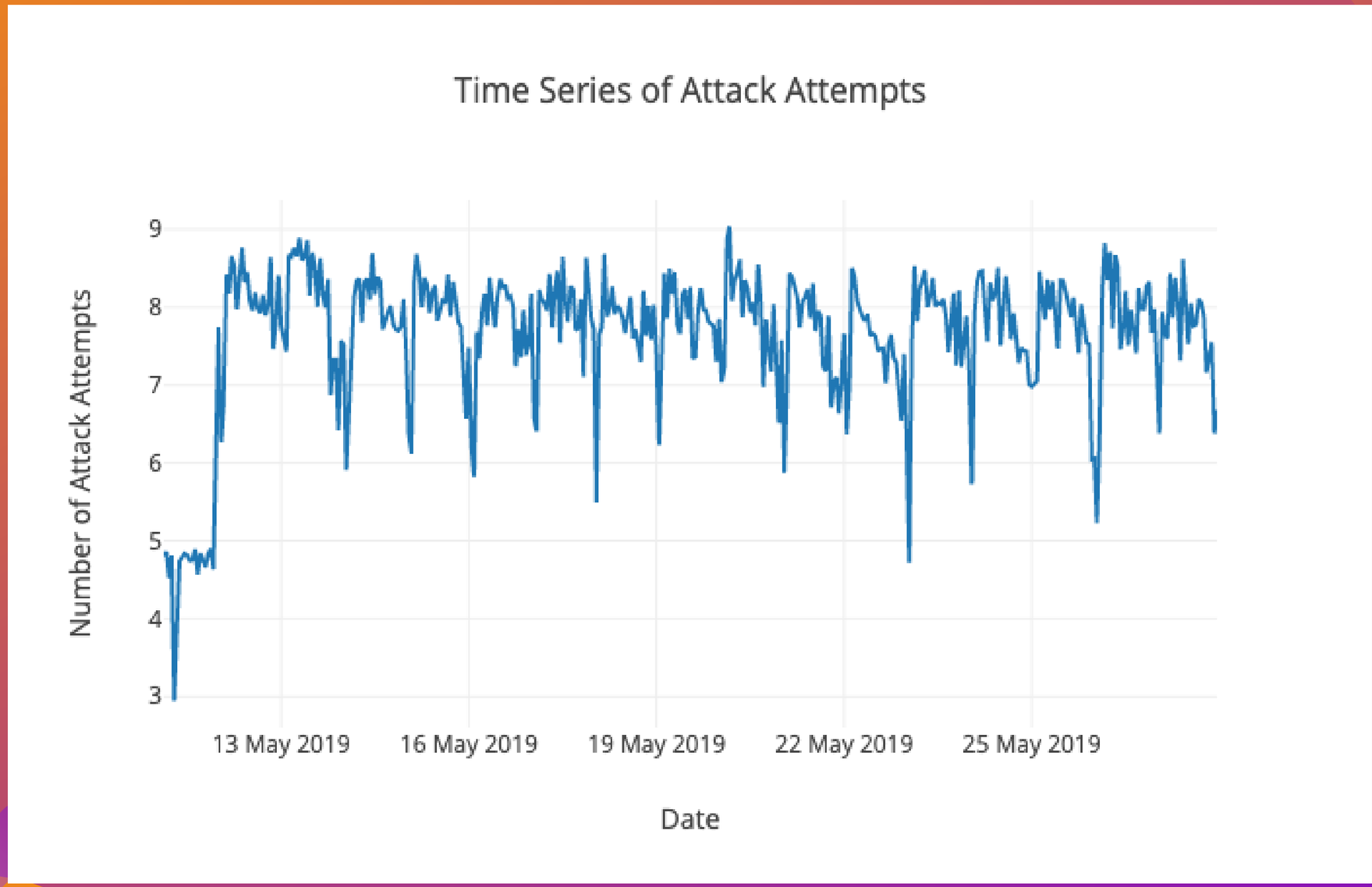
Understand cyberattack patterns from honeypot data

Generate business recommendations from insights

Telekom Honeypot Attack Origin

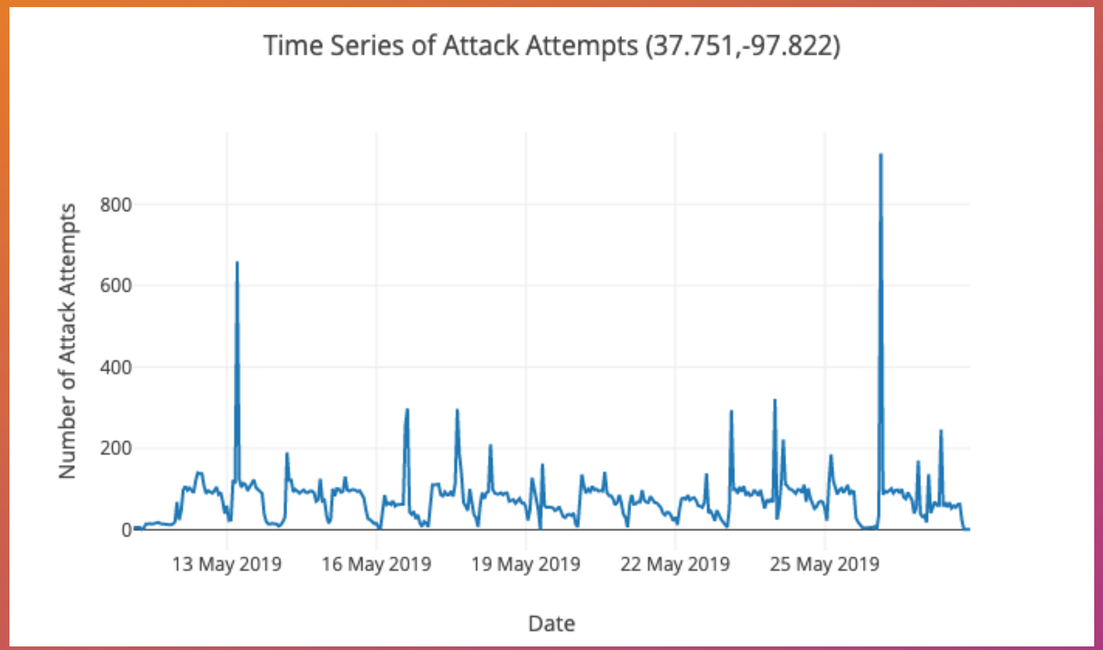


Overall patterns of attacks

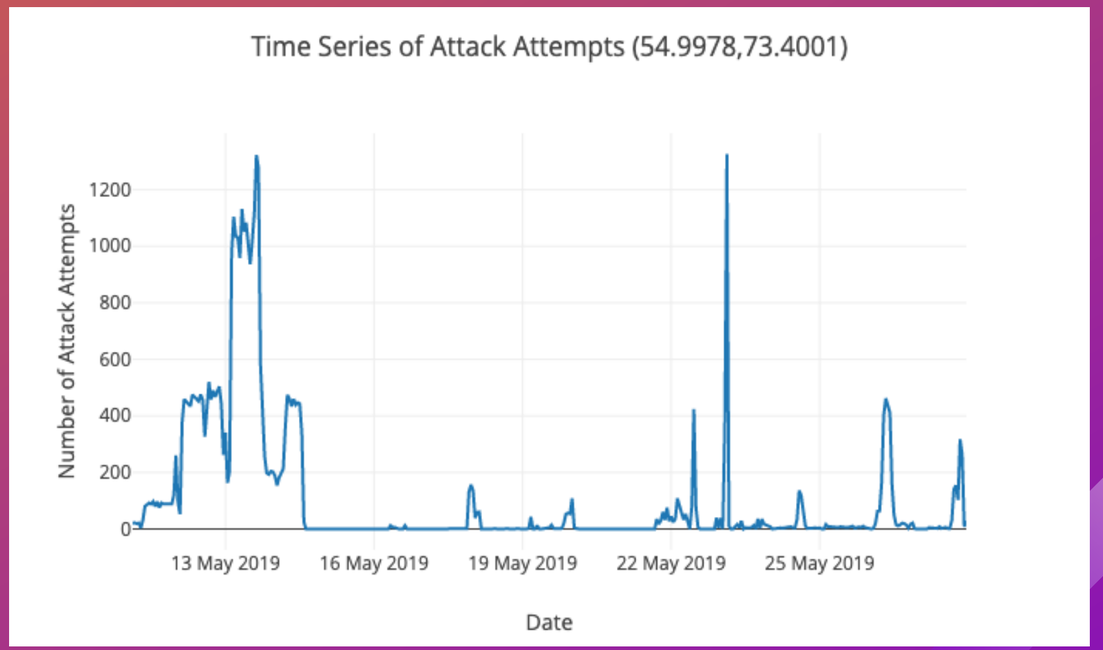


ATTACK PATTERNS

Regular



Irregular

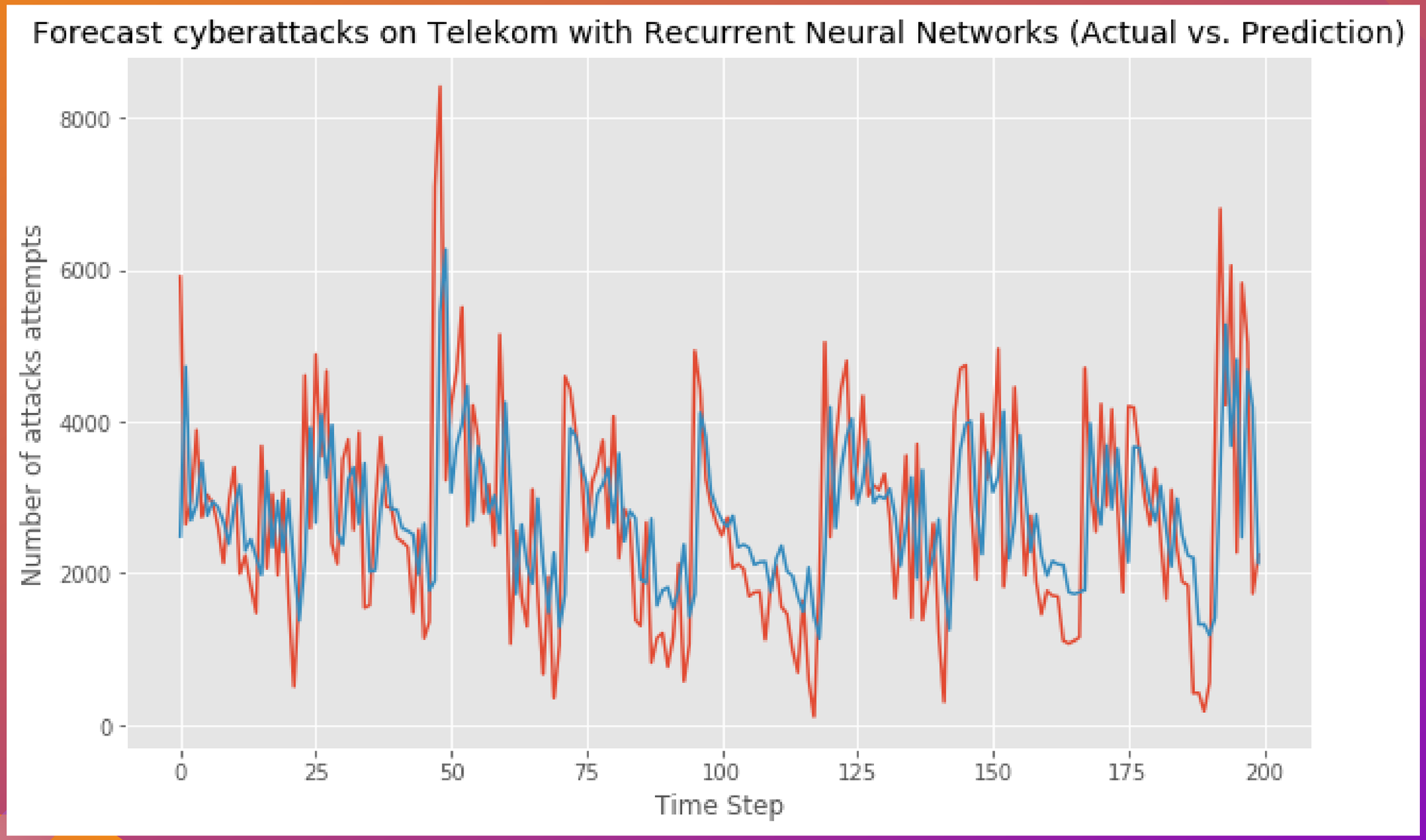


Solution Stack

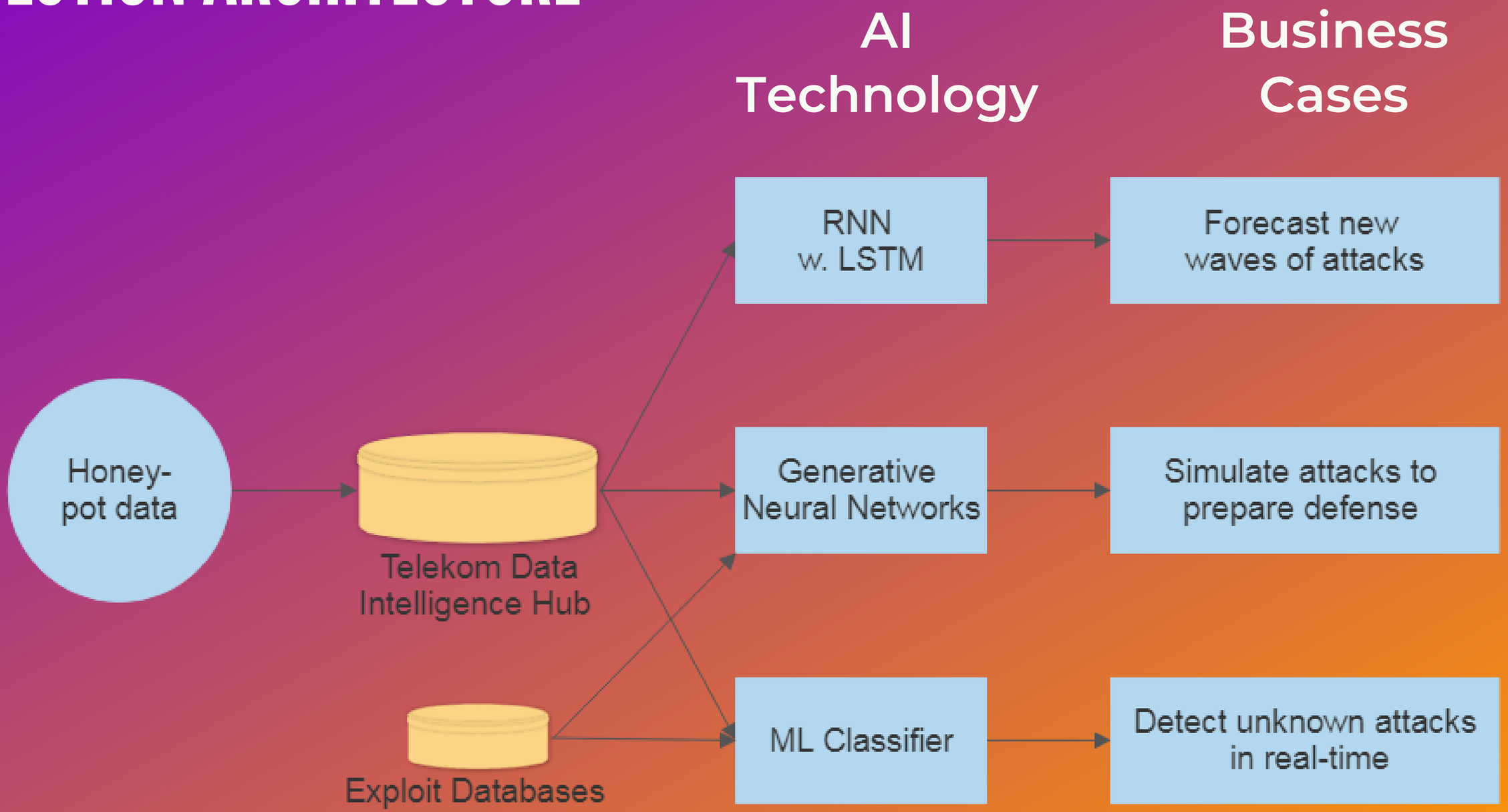
Recurrent Neural Network

Generative Neural Network

Forecast potential waves of attacks



SOLUTION ARCHITECTURE



ETHICAL ASPECTS

- ANONYMITY
- PRIVACY-PRESERVING

SCALABILITY

- SIMPLICITY OF DEPLOYMENT
- EASE ON NETWORK LOAD

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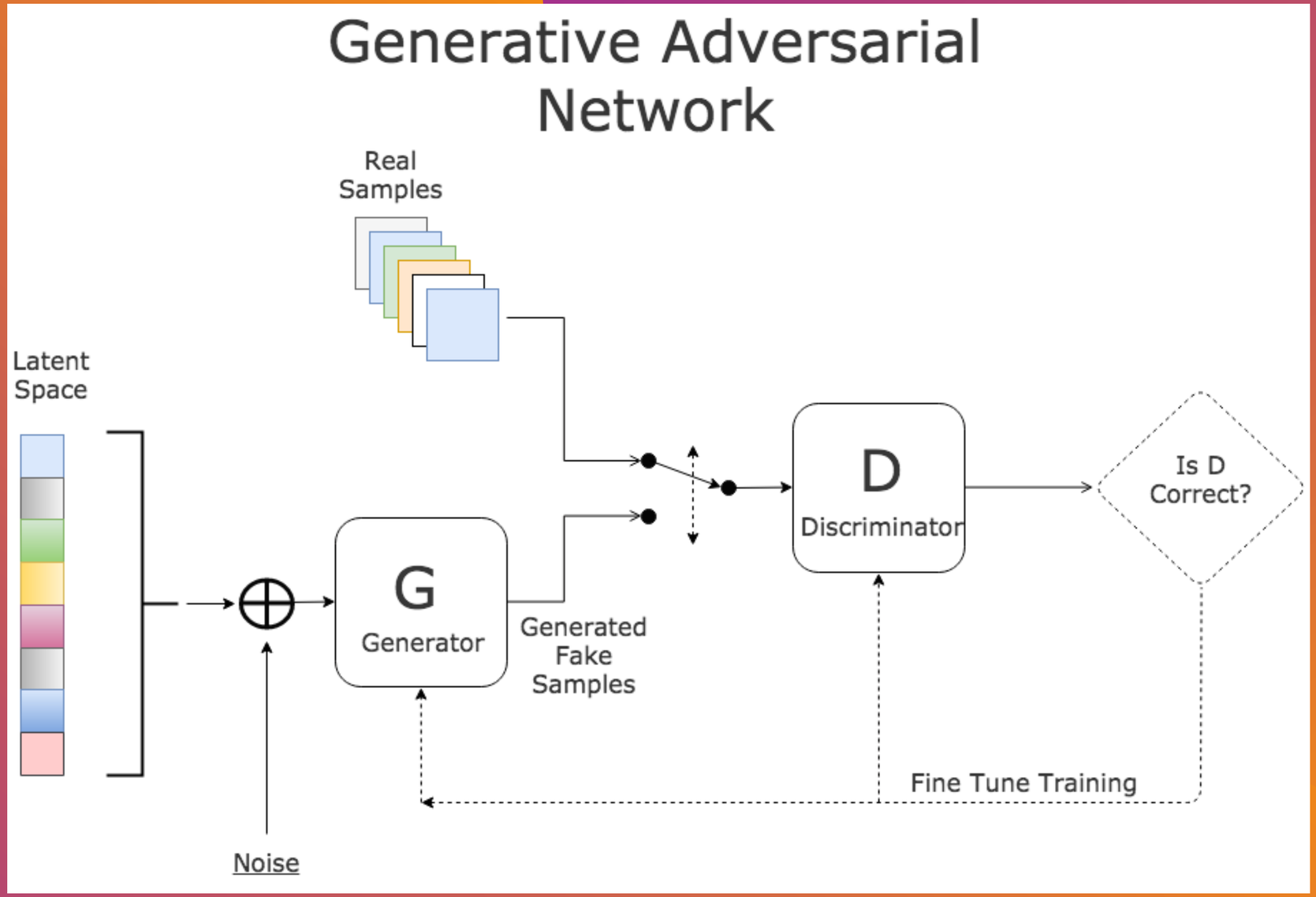
THANK YOU!

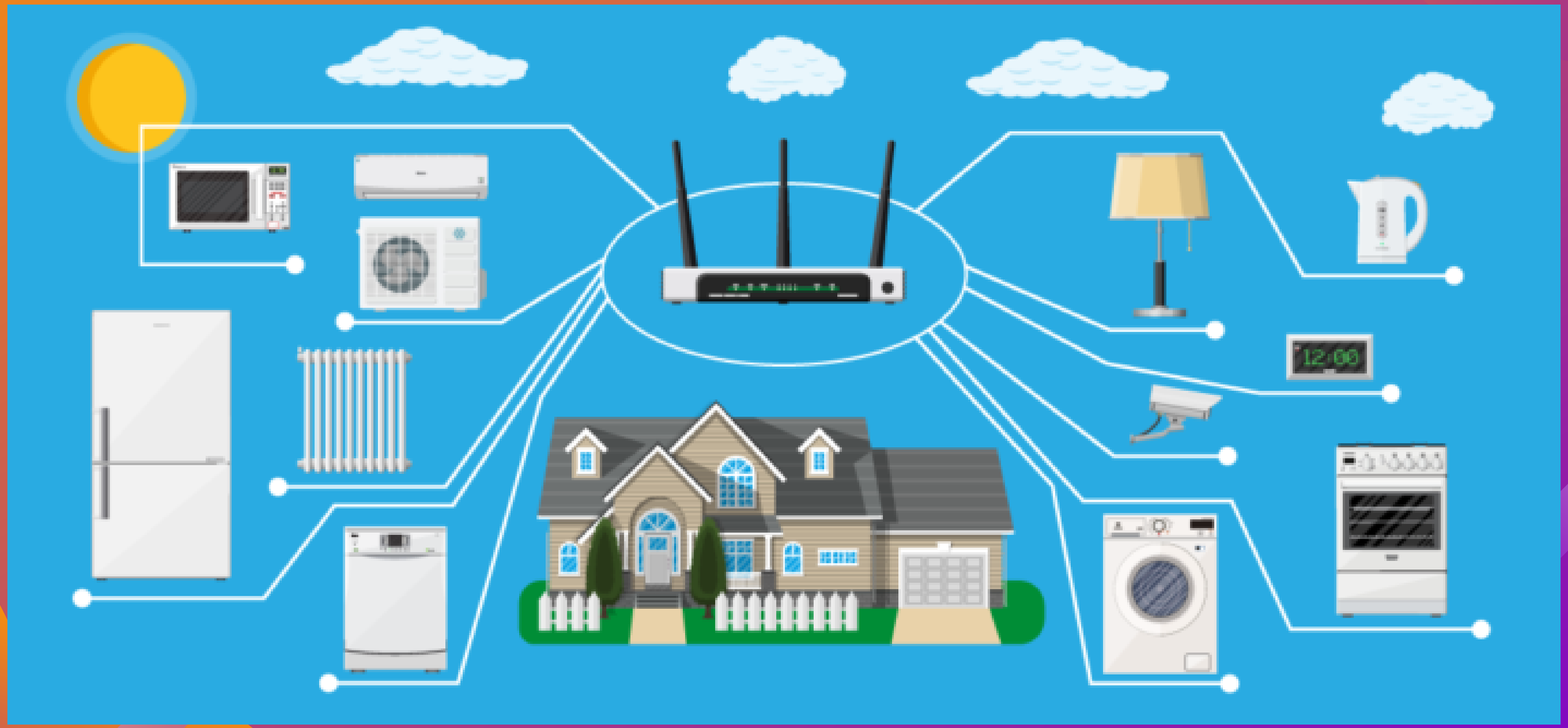
Team Green

Generate new and unknown attacks



What is Botnet?

Most smart devices (IoT) vulnerable to cyberattacks



SNMP Traffic