Impact of AI on the Aviation Industry

Banna Al-Naimi, Operational Technology Security Analyst

Cyber-Security Attacks in Aviation Industry

Malware attack
Istanbul, Turkey

Shutting down of passport control system at the departure terminals, leading to the delay of many flights.

Data breach
United Kingdom

British airways data breach of about 380,000 customers' personal identifiable information.

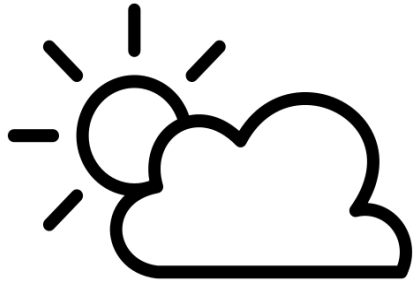
Ransomware attack
Denver, USA

A cyber-incident that involved the attacker accessing and stealing company data, which were later leaked online.

AI Applications in Aviation

Flight planning

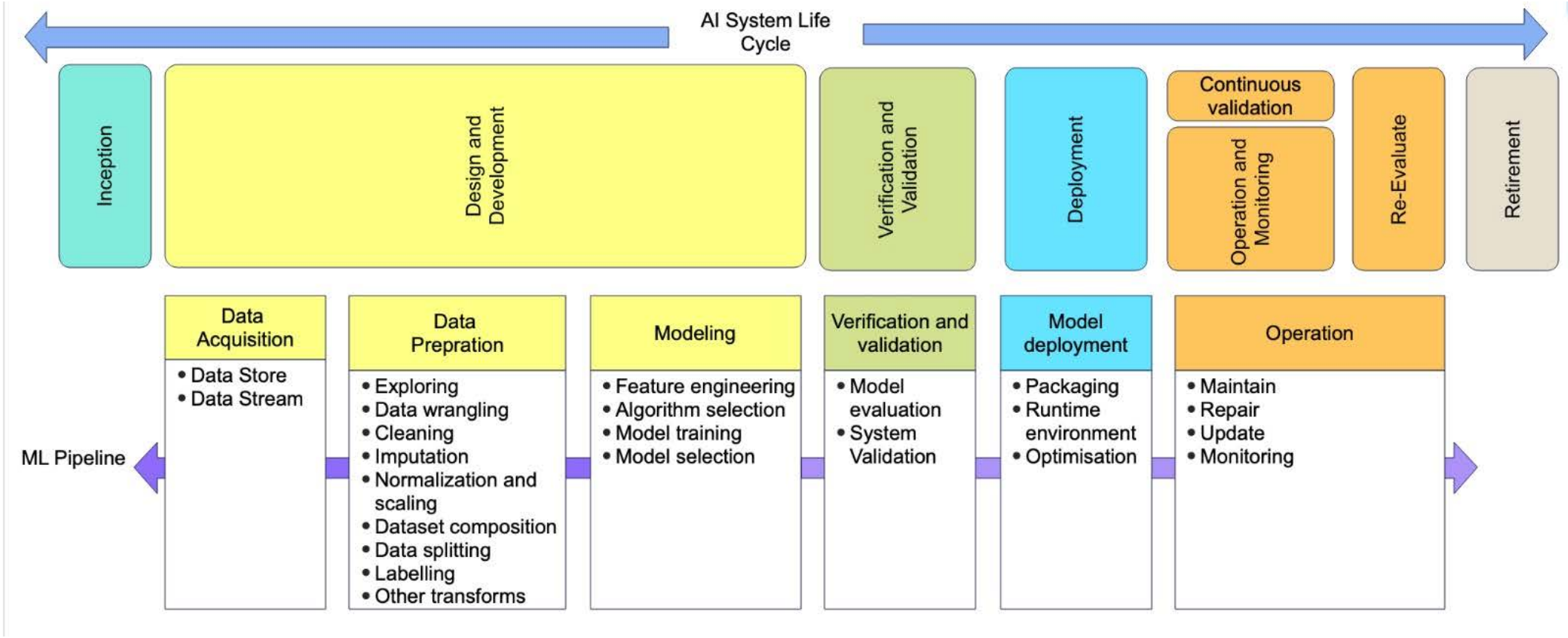
Baggage handling and tracking



Weather forecasting

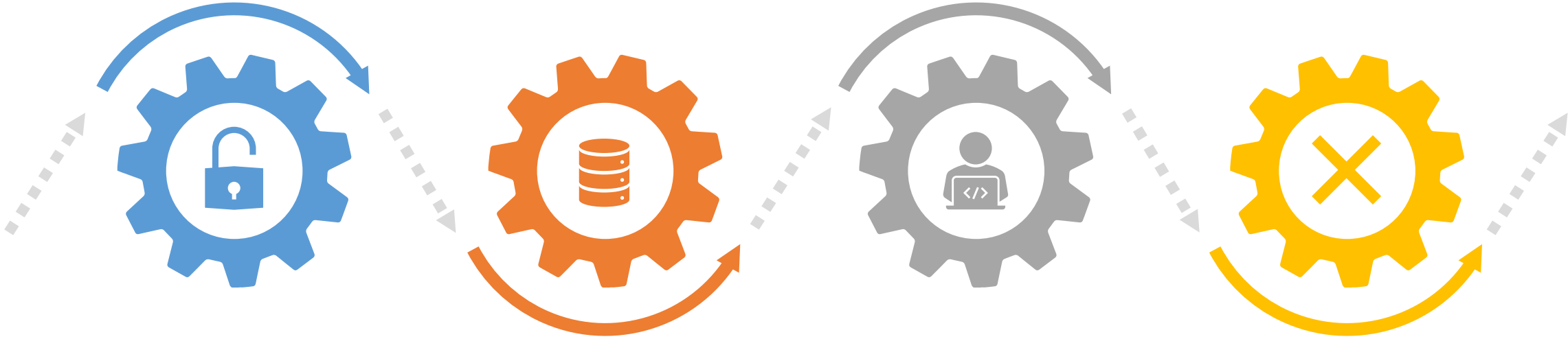
Predicative maintenance

AI Lifecycle



Scenario: Weather predication AI system

Get access to the system



Feeding false information

Corrupting predications

Receiving inaccurate information

THANK YOU