Deloitte.

Capstone project
Credit Card Fraud Detection

A presentation by Daniel Pérez Hernández

01 - Content

02 – Why Fraud Detection?

Origins

- **300 BC, Greece: A shipping merchant kept the "lost" cargo and the claiming from it.**

- **1821: Gregor MacGregor sold non-existing land to investors from Europe.**

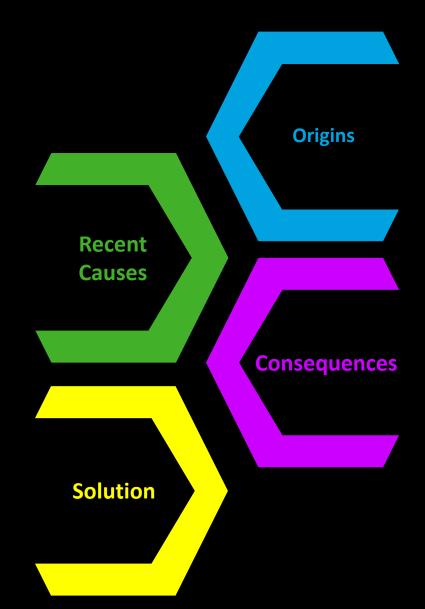- **Recent days: ATM/application/internet banking fraud, amongst others.**

Recent Causes

- **Shift towards new technologies.**
- **Most recent pandemics**
- **Lack of risk exposure awareness**

From PwC's Global Economic Crime and Fraud Survey 2022

Consequences

The Association of Certified Fraud Examiners estimates that US organizations lose about 7% of their revenues to fraud. *Nisbet, et.al (2018)*

Solution

Artificial Intelligence is vital for financial risk control in cloud environment.
(Wang, et.al; 2021).

03 – Overview