Important Terminology in AI

[Source: LM](#)

Recently the few terms related to the field of **[artificial intelligence (AI)](#)** and computer science, are in the news in the context of emerging issues in the field of Information technology.

- **Data Dredging:**
    - It is a **statistical manipulation method** to find patterns in data, seemingly appearing to be significant but having no underlying effect in reality – resulting in **misleading conclusions.**
- **Air Gap:**
    - In **[cyber security,](#)** air gap refers to a **network security** measure of isolating computers or networks from **external connections**, including the internet.
    - Air gaps are typically **employed in high-risk scenarios,** like classified defence systems, to safeguard data from damage, unauthorised access, and manipulation in cases of system failure or intrusion.
- **Mixture of Experts:**
    - It is a **machine learning approach** to training by splitting tasks into sub-problems and assigning 'expert' models to handle each of them.
    - Each expert model predicts the sub-tasks which are then combined to generate the final output.
- **OTA Update:**
    - Over-the-air (OTA) updates are the **delivery of new software** or firmware features and updates via an internet connection.
    - OTA updates provide enhancements to the operating system, system apps on **read-only partitions**, and time zone rules wirelessly, enabling **automatic or manual installation.**

Read more: [Cyber Security](#)

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