ADVANCES IN ALGORITHMS AND UTILIZATION OF VEHICLES IS DRIVEN BY THE AVAILABILITY OF ANALOG AND DIGITAL DATA ON WHAT COMPRIZES DATA AND HOW IT CAN HELP PEOPLE UNDERSTAND THE CONTEXT OF THE DATA.

PYRAMID OF DATA

- **Controller Area Network (CAN) Data**
  - Means different things in different contexts
  - A pyramid model to describe what comprises data
  - Layers build upon one another
  - The storage requirements are largest at the bottom

ANALOG AND DIGITAL DATA

- Analog signaling is measured with an oscilloscope
- Digital wave forms show logical transitions
- Noise, timing, framing, and signaling artifacts can be analyzed
- Encrypted streams may be decrypted
- Encapsulation and decapsulation

CONCLUSIONS

Regardless of the type of data collected, to make it more useful, consider making FAIR:
- Findable – add metadata and keywords to enable better searches
- Accessible – have the ability to interpret and use the data
- Interoperable – the data is not tied to a specific platform or tool
- Reusable – free from royalties and encumbered from licenses

CONTACTS / REFERENCES

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