

Subject: Draft NISTIR 8312
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To: NIST Explainable AI
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Attachments: image001.jpg

Comment Template for First Public Draft of Four Principles of Explainable Artificial Intelligence (Draft NISTIR 8312)

Regarding four principles of explainable AI

Explanation
Interpretable
Explanation Accuracy
Knowledge Limits

All four principles assume tidy and complete data in all fields of every record. As that never happens I look at data for answers to “what is missing?” and thus I write exception reports to show me missing field data that might still be required.

Outliers are hidden as one unit in meta data and I also want to get reports on the outliers that don’t fit in any of the four categories. For example when I was in two year contract at General Motors Powertrain two databases did not balance anytime a new department was created by one of the databases. I needed to create the same new departments in the second database then establish the data transferred accurately into the sub-ledger.

To sum, is there any data not being quantified and what happens to it? What does AI partially know about this data? Can human review of it clarify and does more code need to be written to accommodate the abnormalities?

When I was a Financial Analyst in the past I spent most time controlling the 20% whereas I had no issues with the data flow of the 80%. In reality maybe 99% of the data flowed without issue and I micromanaged and troubleshooted that last 1% which was different but existed every month. Just saying.

Sincerely,



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