

Subject: 12 Draft NISTIR 8312

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From: Anup Chandra

To: NIST Explainable AI

The proposed draft is good.

The references given are also good .This has to be read for wide acceptance

Four principles are acceptable

They are many suggestions but few observations are

make separate draft for

1. Gradient-Weighted Class Activation Mapping (GRAD-CAM) based tool [82].
2. Machine Learning Algorithms include Decision Trees and Linear and Logistic Regression
3. Generalized Additive Models with Pairwise Interactions (GA2M),
4. SHAP (SHapley Additive exPlanations)
5. TCAV (Testing with Concept Activation Vectors) [107].
- Partial Dependence Plots (PDPs) and Individual Conditional Expectation (ICE) [60, 104].
7. ICE curves,
- 8 LIME (Local Interpretable Model-Agnostic Explainer)
9. Dunning-Kruger Effect

if there is ASTM/ISO/ANSI statistical standards for these terms(it can mentioned in standard published)

Thanks for asking suggestions

ANUP CHANDRA
H 403 AFV RESIDENCY
DAHEGAM ROAD
CHILODA
DIST AGNDINGAR
INDIA
382355