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Purpose: Discussion

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Abstract: Standardized templates to report results for the assessment processes developed by WG-DAISAM. In this version the, template comprises three elements: Data Specification Sheet, ML Model Specification Sheet and ML Model Summary Findings.

1 Data Specification Sheet

Data Source
Data Acquisition/ Sensing Modality
Data Acquisition / Sensing Device Type
Data Collection Place
Data Collection Period
Data Collection Author(s) / Agency
Data Collection Funding Agency
Data Sampling Rate
Data Update Version
Data Dimension
Data Sample Size
Data Type
Data Resolution / Precision
Data Privacy / De-identification Protocol
Data Safety & Security Protocol
Data Assumptions/ Constraints/Dependencies
Data Exclusion Criteria
Data Acceptance-Standards Compliance
Data Pre-processing Technique(s)
Data Annotation Process / Tool
Data Bias & Variance Minimization Technique
Train: Tuning(validation) : Test (evaluation) Dataset Partitioning Ratio
Data Registry URL

2 ML Model Specification Sheet

Model Name
Model Version
Model Task
Model Target User Group
Model Target Patient Group
Model Algorithm Type
Model Output Type
Model Evaluation Metric(s)
Model Optimal Performance Configuration
Model Assumptions/ Constraints/Dependencies
Model Development Toolkit
Model Developer
Model Development Period
Model Registry URL
Model License

3 ML Model Summary Findings

Context Applicability
Clinical Implications
Benefits
Clinical Integration Costs
Response Time / Latency
Efficiency
Assumptions
Harms
Side-effects
Safety Implication
Risks
Value proposition / Strengths
Weaknesses/ Limitations
Generalisability
User Rating (scale)
Tradeoffs
Caveats
Recommendations
Extensibility to other settings
