DATASIM: Data and Training Analytics Simulated Input Modeler for xAPI and xAPI Profiles

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Yet Analytics
What are we trying to do?

- Open Source Specs
- Open Source App
- Simulated xAPI Data

Created by freenote icons from Noun Project
What’s the purpose?

Simulate and Generate xAPI
Evaluate the Implementation
Benchmark and Stress Test TLA

Created by Lloyd Humphreys from Naan Project
Why are we doing this?

Access to Testable Big xAPI Data

Will Inform DoD Learning & Training Modernization Policy
What is the problem?

A Missing Link for xAPI Adoption

Lack of Exemplar Testing and Evaluation Datasets
How is it done today?

- Labor Intensive and High Cost
- Created by Hand
- From Live Events
- Human Error and Lack of Scale
What is new in our approach?

- Learner Personae
- Non Player Characters (NPCs)
- Digital Twins
- Sim Modding
What’s our solution?

DATASIM
Data and Training Analytics
Simulated Input Modeler

TLA Testing

Big xAPI Data

xAPI Profiles and Analytics

Created by Wenjie Jiang
From Noun Project
Who cares?

DoD Learning and Training
IT Stakeholders

Increase
Assurance

Increase
Speed and
Agility

Increase
Innovation
DATASIM mitigates against...

- efficiency risks of manual simulated data design
- “meaninglessness” problems of automated simulated data
- cost — by allowing ad hoc and repeatable data sets
- time needed to identify risks and problems in existing and developing software and applications across the TLA
How long will it take?

Phases

Alpha
2020

Beta
2021

TRL 6
2022
Thank you.

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