EMPRESS: Privacy-preserving decentralised educational analytics with student self-sovereignty.

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EMPRESS: Privacy-Preserving Decentralised Educational Analytics with Student Self-Sovereignty

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MY RESEARCH
Investigate how privacy-preserving Machine Learning can help to achieve ethically principled Decentralised Learning Analytics

RESEARCH MOTIVATION
Data Collection - Learning Record Store
- Implicit Opt-In
- No Opt-Out
- Data Lock-In

AN EXAMPLE OF LEARNING ANALYTICS TODAY

LEARNING ANALYTICS AT A DISTANCE LEARNING UNIVERSITY

ONE PROPOSED SOLUTION

DECENTRALISED MODEL TRAINING

INFEERENCE

PRIVACY-PRESERVING MACHINE LEARNING WITH BLOCKCHAIN VERIFICATION