



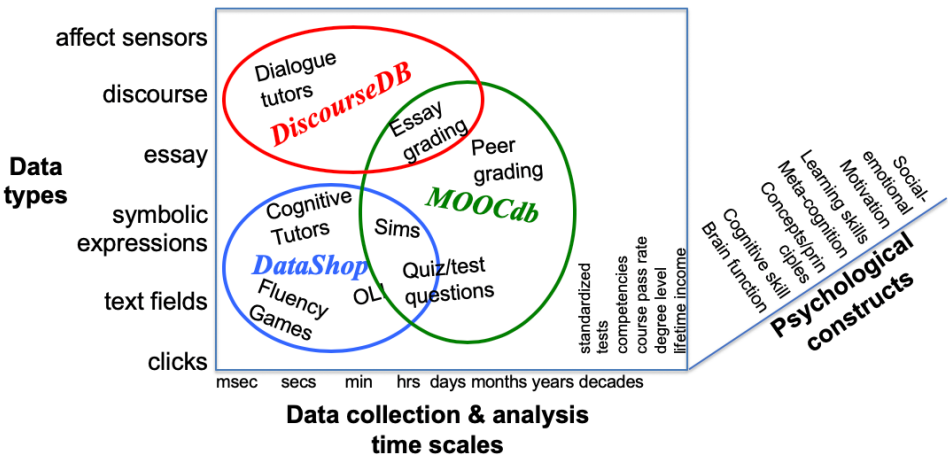
CIF21 DIBBs: LearnSphere: Data-Driven Discovery and Innovation in Education

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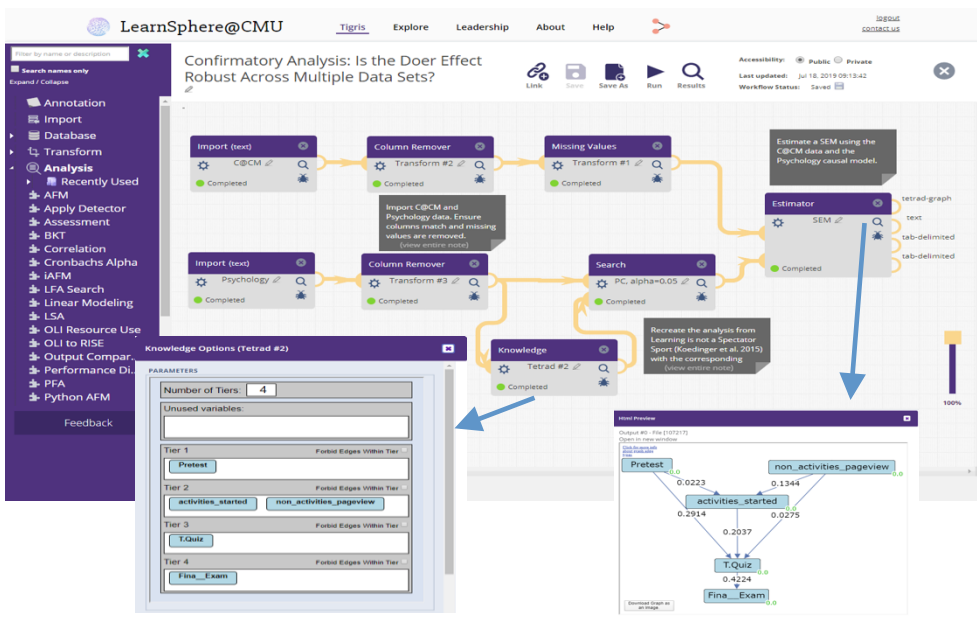
Institutions: CMU, MIT, Stanford, U. Memphis

Award #: 1443068

Big data in Education *Opportunity* *Problem: Data in separate silos*



LearnSphere's Workflow Authoring



LearnSphere.org Solution

Web-based portal & workflow tool integrates DIBBs

Facilitate discoveries not possible within silos

Developments & Discoveries

2270 datasets, 90 analytic components, 1000 workflows

Doer effect discovery: 6x more learning from online practice than watching lecture video or reading text in a MOOC