

Cognitive Footprints: Analytical and Predictive Paradigm for Digital Learning

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Abstract : In this paper, the Computer Research Network of the National Polytechnic Institute of Mexico proposes a paradigmatic model for the inference of cognitive patterns in digital learning systems. This model leads to metadata architecture useful for analysis and prediction in online learning systems; especially on MOOC's architectures. The model is in the design phase and expects to be tested through an institutional of courses project which is going to develop for the MOOC.

Keywords : cognitive footprints, learning analytics, predictive learning, digital learning, educational computing, educational informatics

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