

## 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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