

Intermediate Frameworks and Design Tools Emerging from Iterative Process of Designing Data Modelling Activities

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The challenges of the design of data modelling activities could include to clarify instructional goals of data modelling, to set up a context for data modelling, and to plan a sequence of modelling activities for facilitating students' need to model, engaging students into thinking, and asking students to reflect on mathematical models in context. This study aims at investigating the incorporated frameworks and tools which direct the design process and the iterative analyses of the products. The findings of this study may contribute to students' learning of statistics, teachers' teaching of statistics and researchers' design of modelling activities.