





| What is a "Model" in general?   |
|---|
| Model M Subject S   |
| "M is a model of subject S for purpose P " [Ladkin97]   |
| <ul> <li>Often, the purpose is <u>"answering certain kinds of questions</u> (about the subject)"</li> <li>Why do we build models? Because it is easier to answer those questions about the model than about the subject.</li> </ul> |
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not in all 'denormalized' schemas.

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PrahaCII -- 25













## II. An Intentional Dimension for Data Semantics

- Traditionally, data semantics deals with *"what/when"* questions: *objects, inter-relationships, groupings* and *constraints* on them.
- But to achieve real understanding, humans also rely on "how" and especially "why" questions: How is the data used? Why was the data gathered?
- Recent progress in Requirements Engineering ("GORE") has shown how goals and (organizational) actors fit in.

PrahaCU -- 32

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