DSM + Frameworks

What is the best abstraction level to use?

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Bottom-Up vs. Top Down Abstractions

• Formal vs. informal: what if it’s not complete?
  – Not complete: change a model, change the s/w system, change the code generator?
  – How is this different from s/w problems?

• Knowledge of the ‘real world’ is always empirical!
  – Sometimes this conflicts with a software implementation (and its faults)
CPS vs. Not Modeling

- Some abstractions are easier to leave behind, some make bigger impact if ignored
- Sometimes market decisions affect the models, but will never affect how the models are built---rather how they must be evolved or managed
Framework Impacts Models

• Technical dimension, dealing w/ the problems of a framework’s API

• Framework may impact the user base: could influence how people already think about the problem
  – DSM solution must understand this line of thought
The end!