



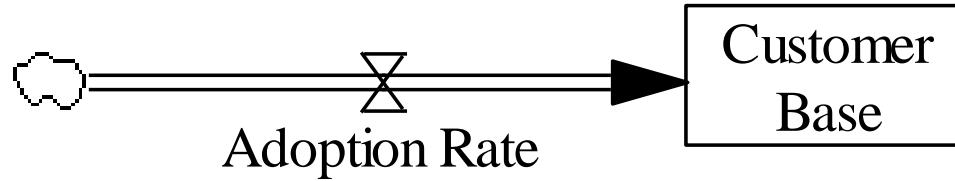
Introduction to System Dynamics with Vensim

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Road Map

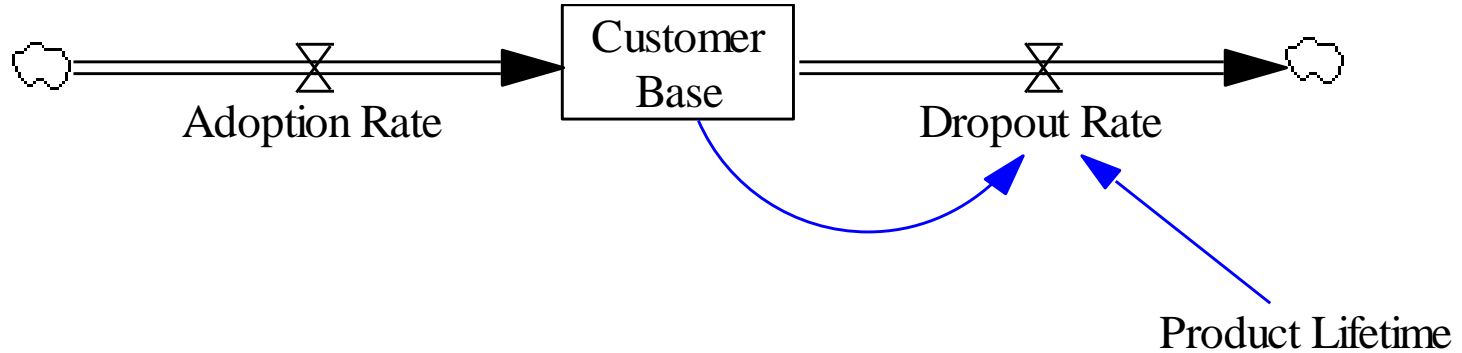
Vensim Mechanics	System Dynamics	Modeling Process
Diagramming	Stocks & flows	Choosing a method
Equations	Feedback loops	Conceptualization
Units	Behavior modes	Debugging
Runs	Nonlinearity	Model testing
Managing constants	Equilibrium	Validation
Causal tracing	Representing behavior	Collaboration
Synthesim [®]	Archetypes	Automation
Data I/O	Molecules	Learning from surprise
Interfaces	Policy resistance	Presenting
Lookups	Events-Behavior-Structure	Change management

Model 0



- **Accumulation**
- **Diagramming**
- **Writing equations**
- **STEP test input**
- **Ordinary simulation**
- **Seeing output**

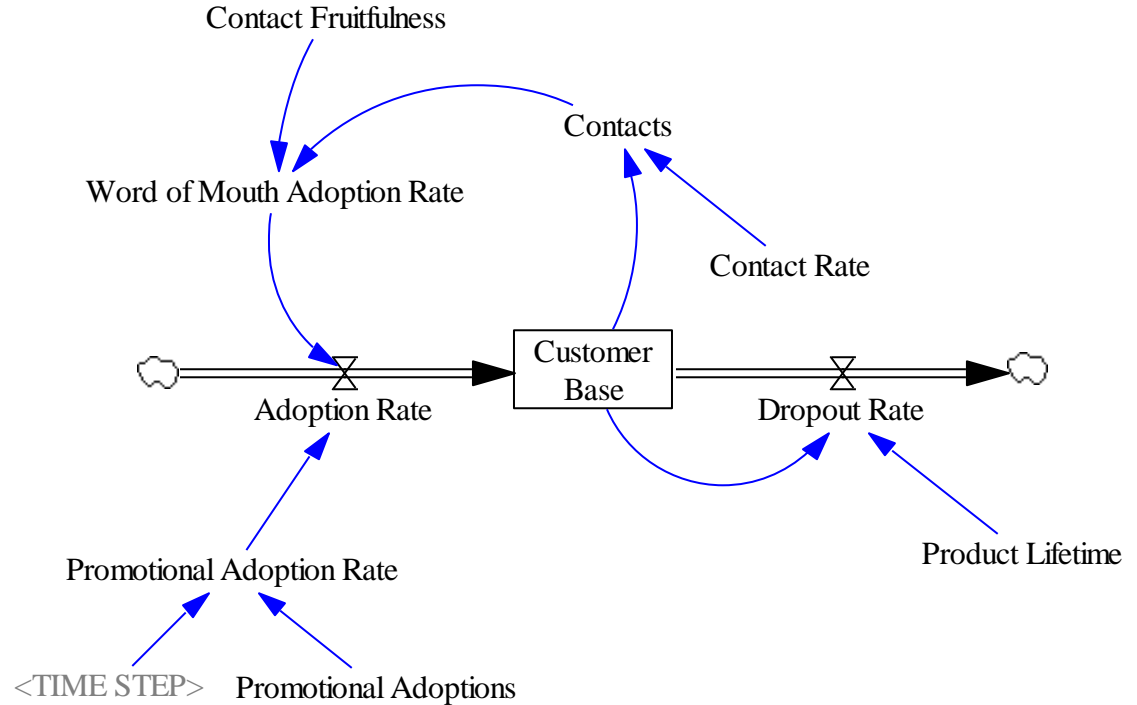
Model A



- **Outflow & feedback**
- **Units**
- **Managing datasets**

Model B

- **Growth loop**
- **A discrete event**
- **Causal Tracing**



Model C

- Custom graphs
- A mini control panel

