

Practical Application of Systems to Conduct Evaluation: Cases and Examples

**2015
Webinar
Series**

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2015**

**10am PT
12pm ET**

4.669...
Evaluation & Planning



Computer Models to Anticipate and Plan for Surprise



Speaker: Jeff Wasbes

Executive Deputy Director for Accountability at the SUNY
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-
- Skilled practitioner in Monitoring and Evaluation, focused on data-driven decision making and management support.
 - Specializes in decision support systems that embrace complexity and focus on results.
 - At the Institute, he is the chief data expert responsible for the design, production, and distribution of analyses related to charter school performance

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STRUCTURE AND BEHAVIOR

STRUCTURE AND BEHAVIOR

COMBINATIONS VS DYNAMICS

STRUCTURE AND BEHAVIOR

COMBINATIONS VS DYNAMICS

MODELS

ENDOGENEITY

CALVIN & HOBBS

By BILL WATTERSON

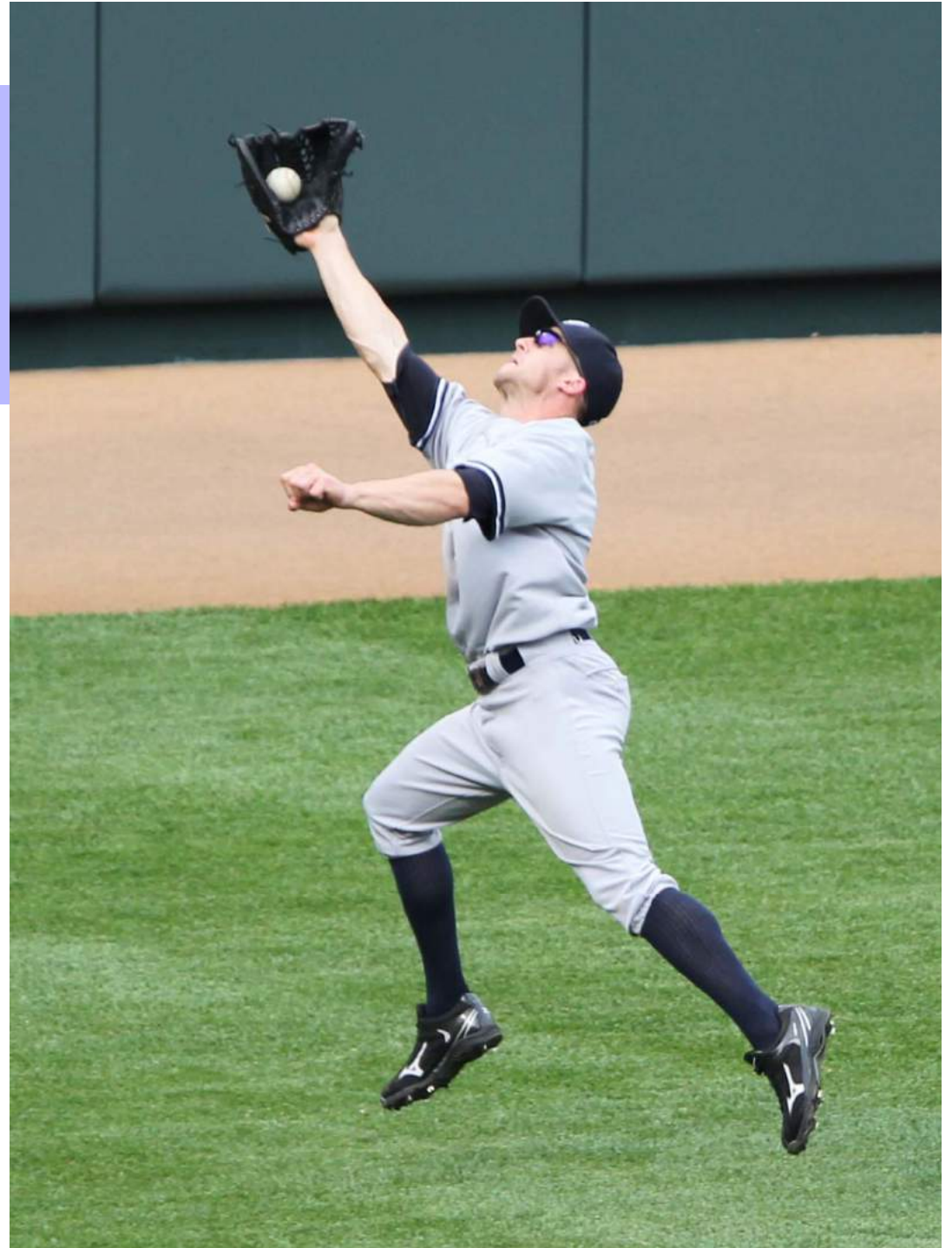


LEVERAGE



UTILITY

UTILITY

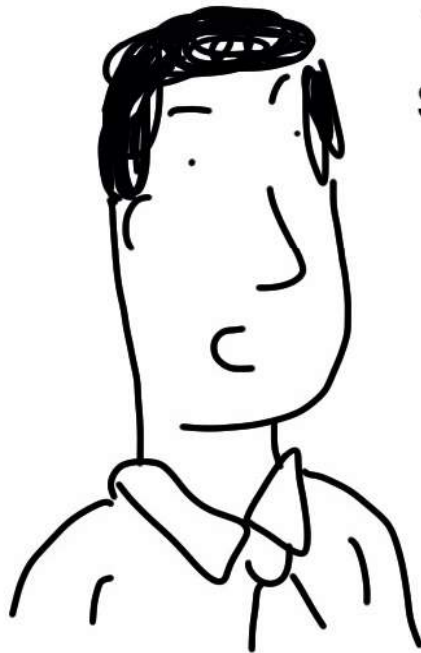


LOW / NO COST

You want to use computers?
Sounds expensive.

We'll just do what we usually do.

Implement it, then wait
fifteen years and
see if it worked.



ELEMENTS

INTERCONNECTIONS

FUNCTION

ELEMENTS

INTERCONNECTIONS

FUNCTION

ELEMENTS

INTERCONNECTIONS

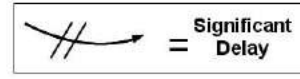
FUNCTION

ELEMENTS

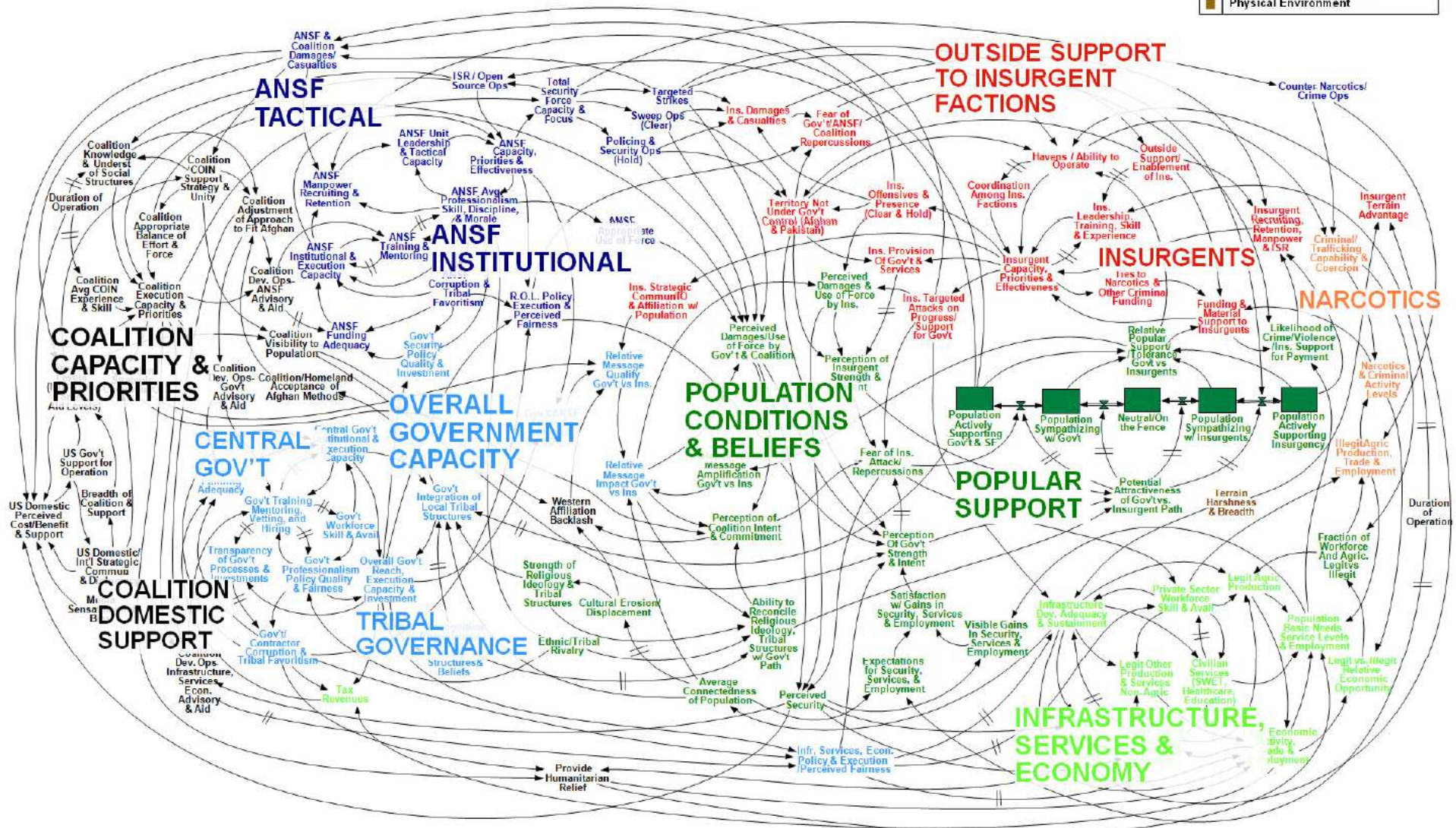
INTERCONNECTIONS

FUNCTION

Afghanistan Stability / COIN Dynamics

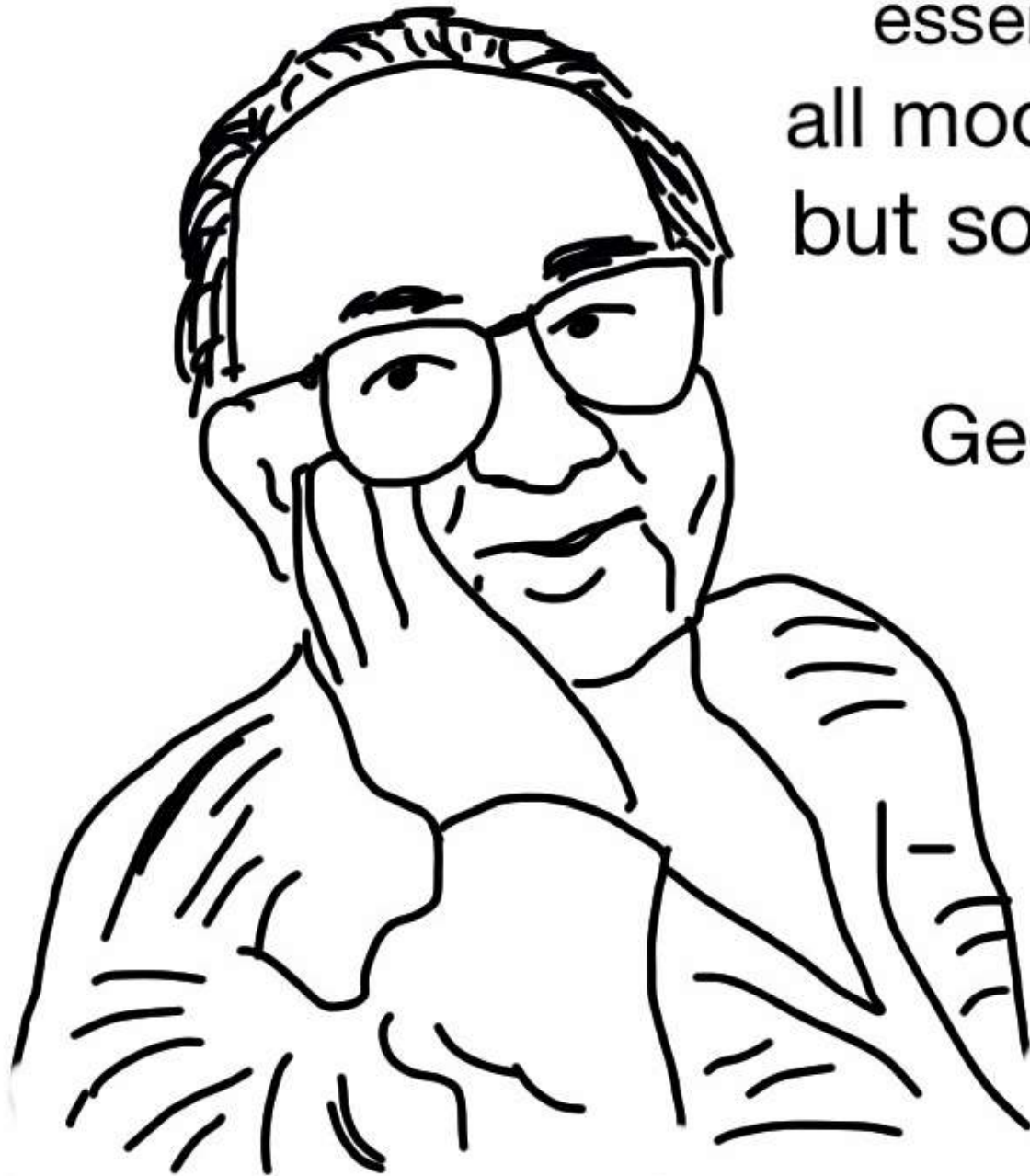


- Population/Popular Support
- Infrastructure, Economy, & Services
- Government
- Afghanistan Security Forces
- Insurgents
- Crime and Narcotics
- Coalition Forces & Actions
- Physical Environment



WORKING DRAFT - V3

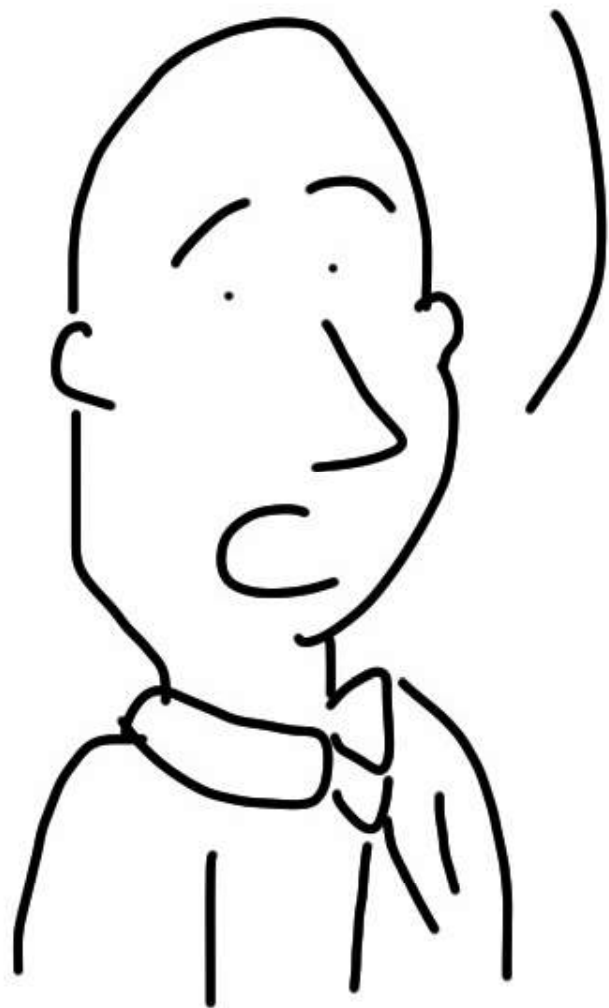
COMBINATIONS VS DYNAMICS



essentially,
all models are wrong,
but some are useful

George E. P. Box

Before going live,
can we test your theory?

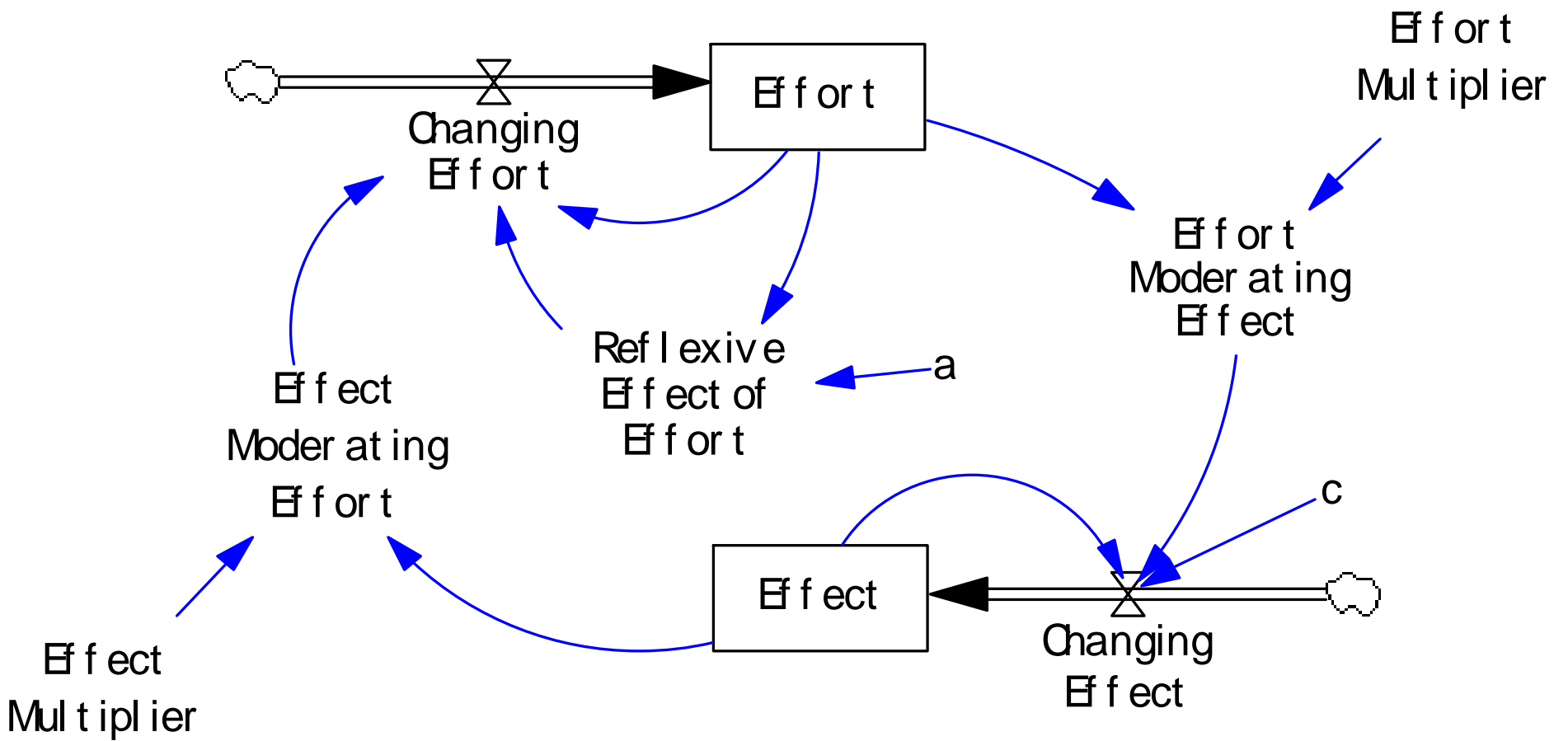


Test it? No clue.
I'm more of an "idea"
person.

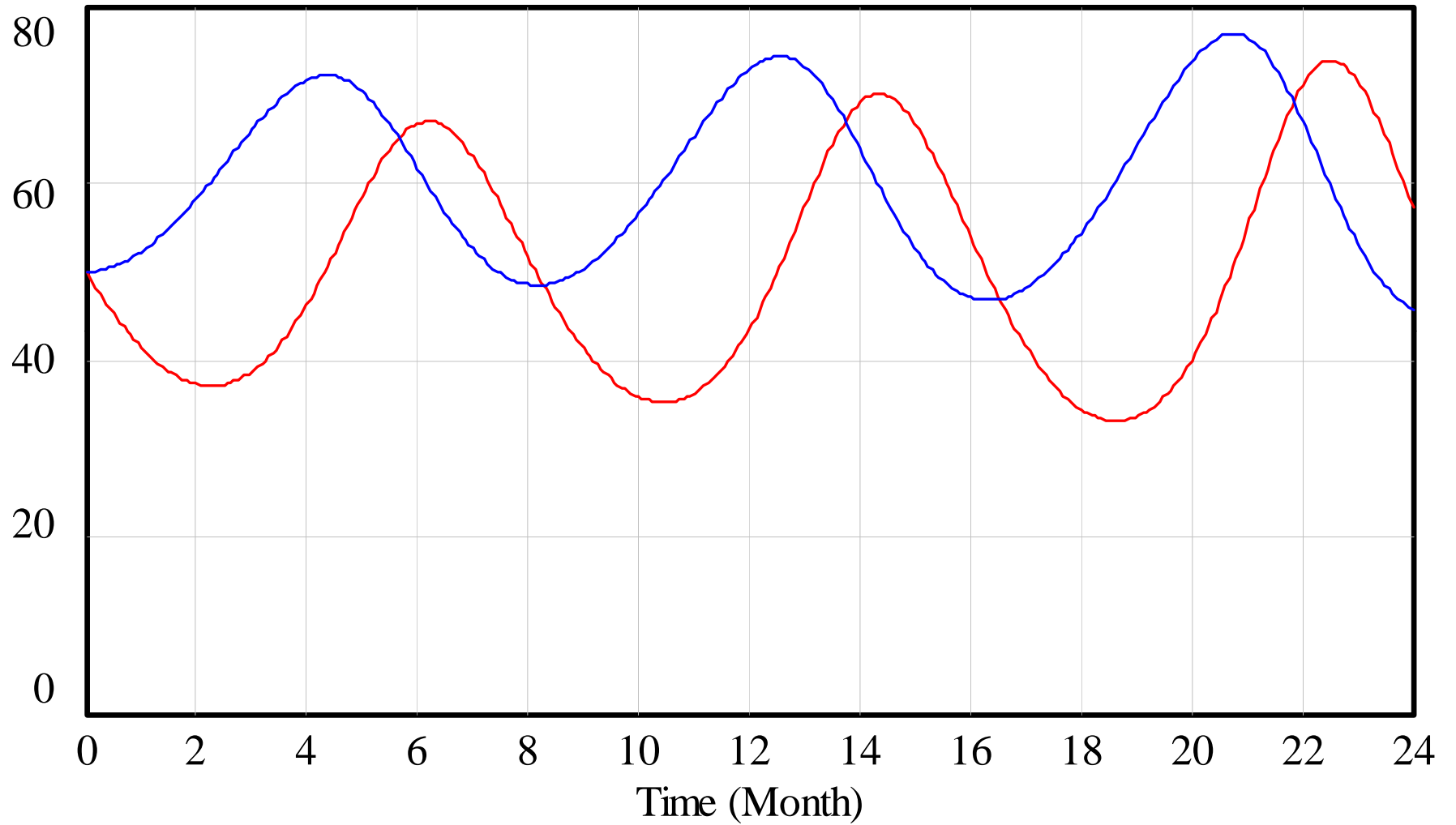


You're right, after thinking it through,
I'm not sure how the one leads to the other





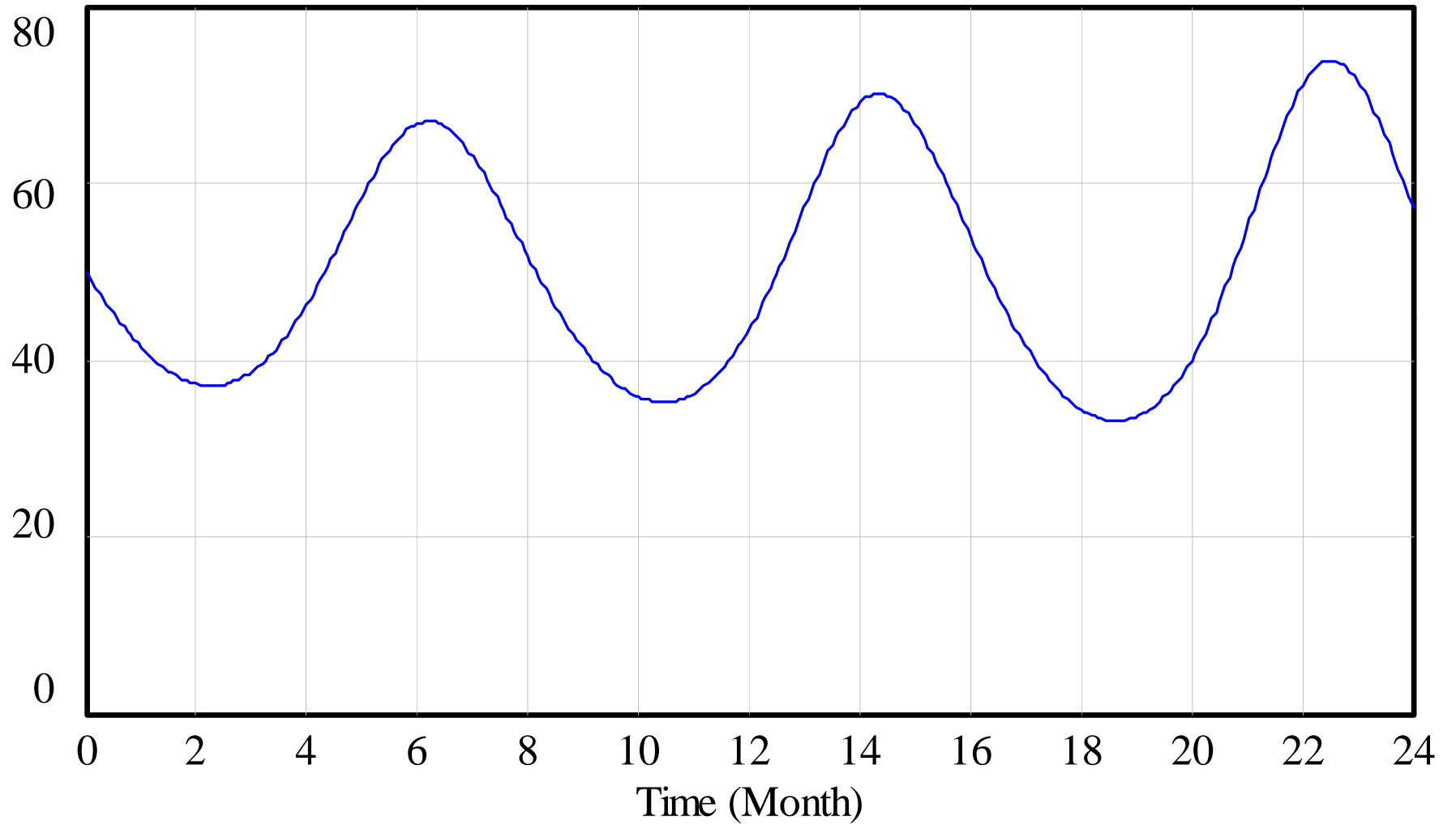
Effort vs. Effect



Effort : c1pt2 

Effect : c1pt2 

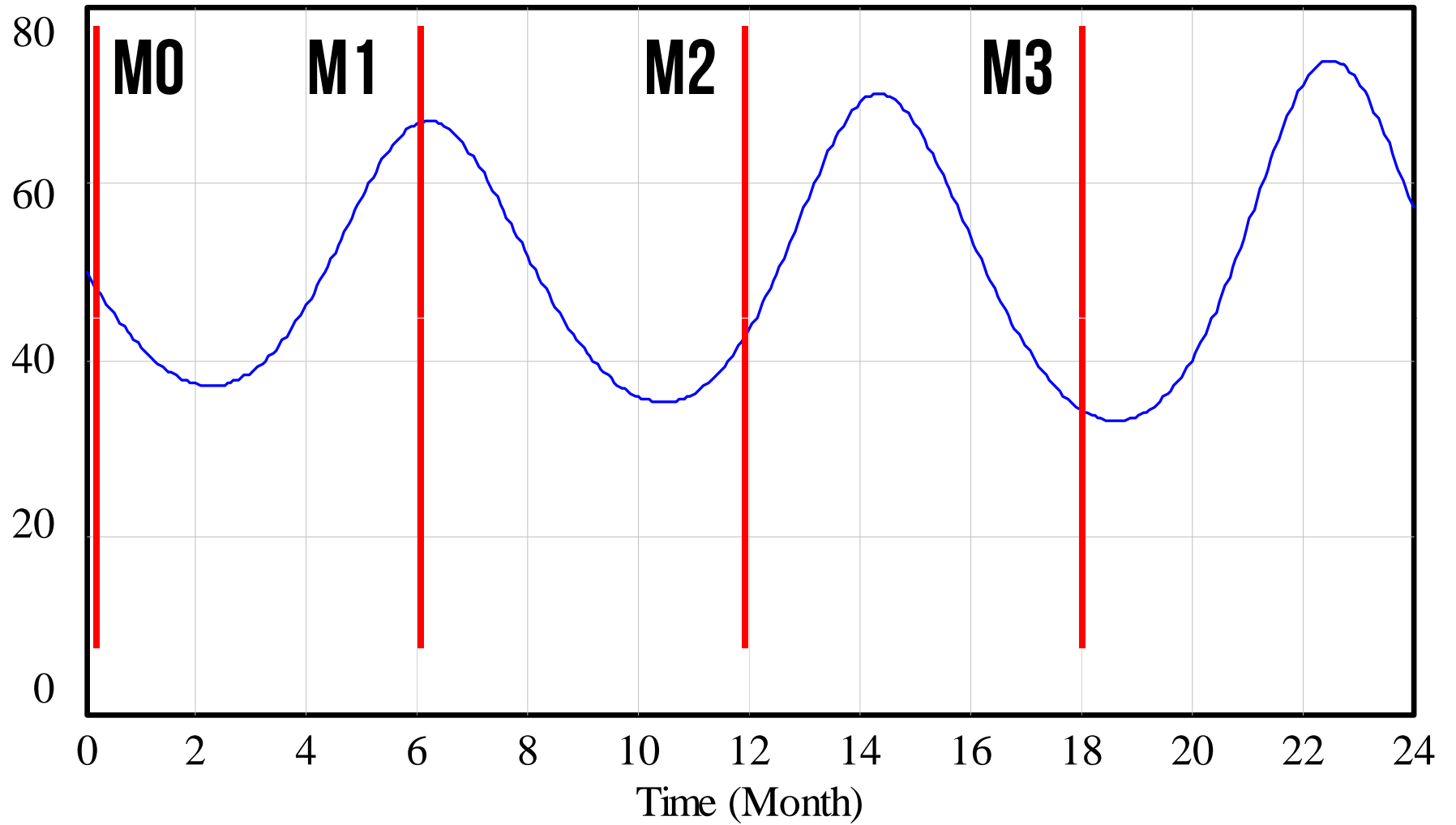
Effect



Effect : c1pt2



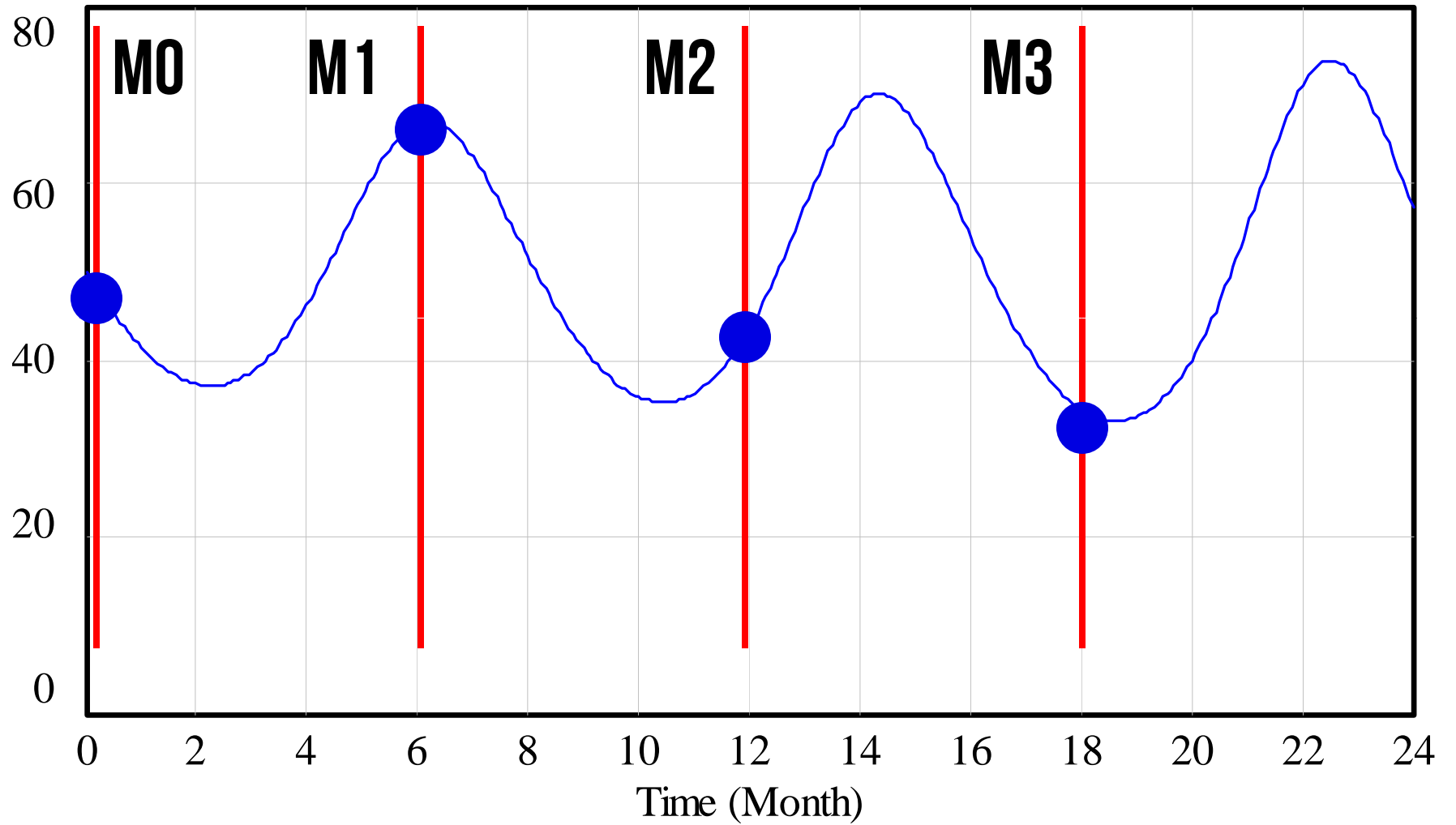
Effect



Effect : c1pt2



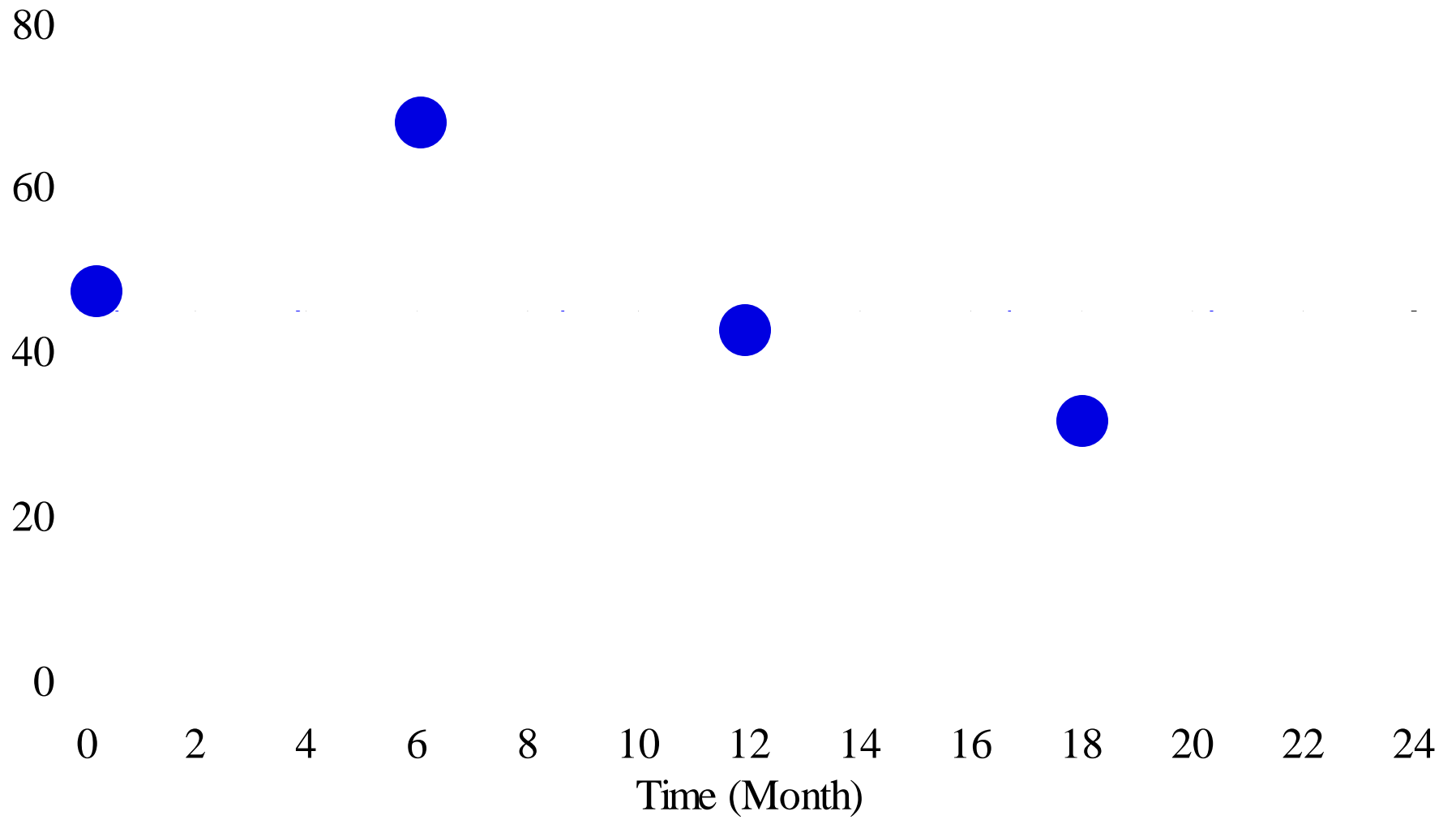
Effect



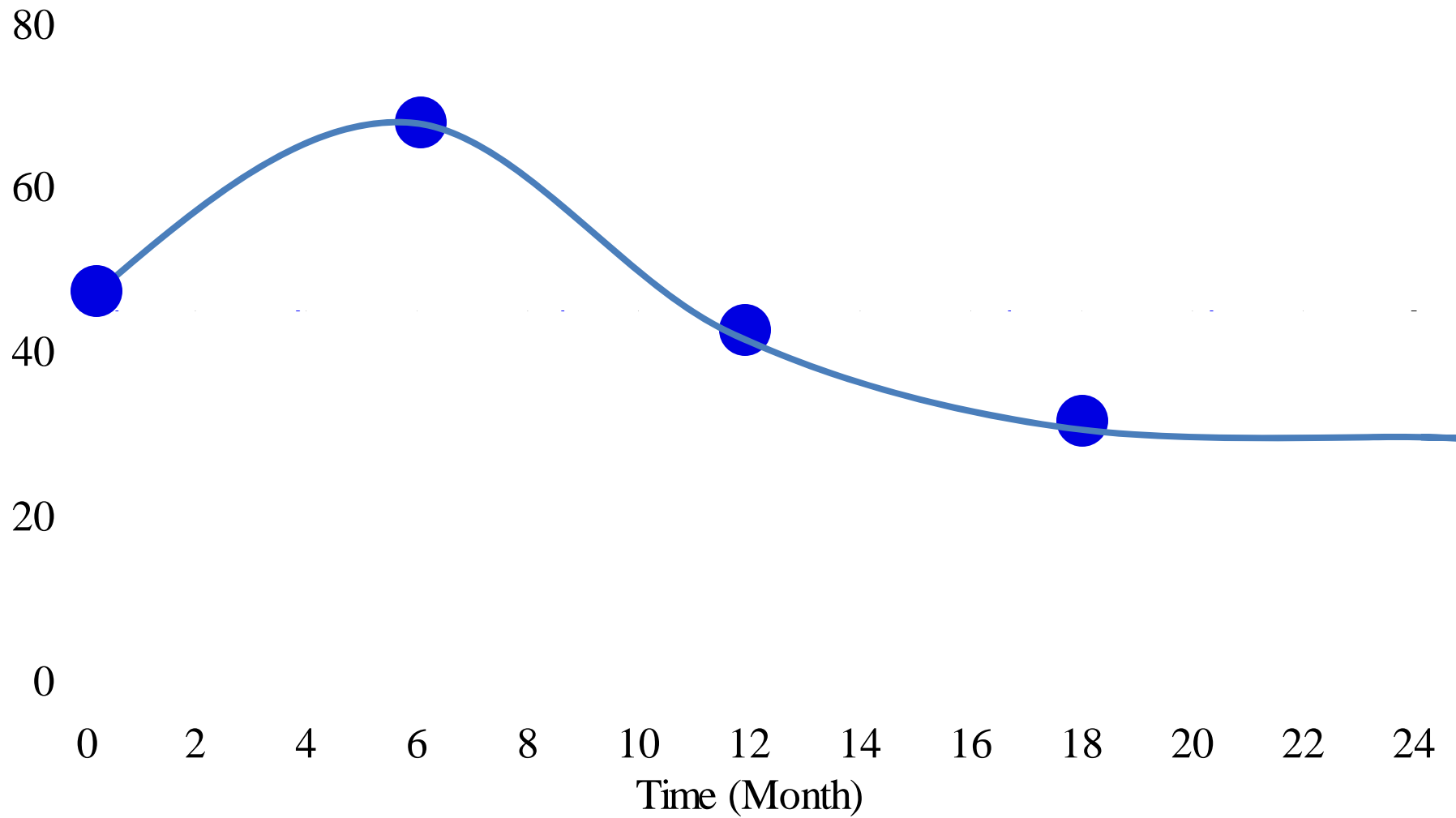
Effect : c1pt2

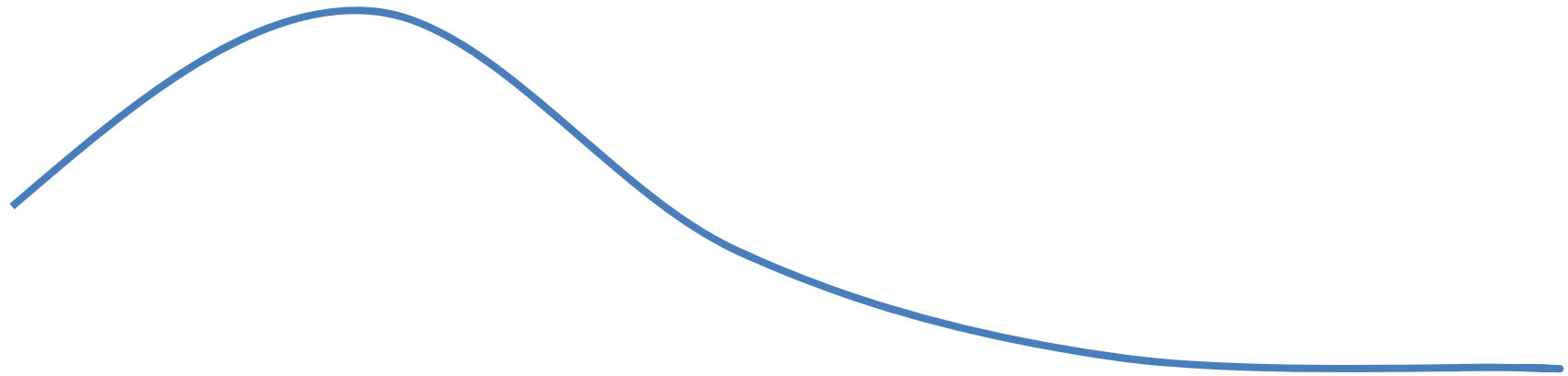


Effect

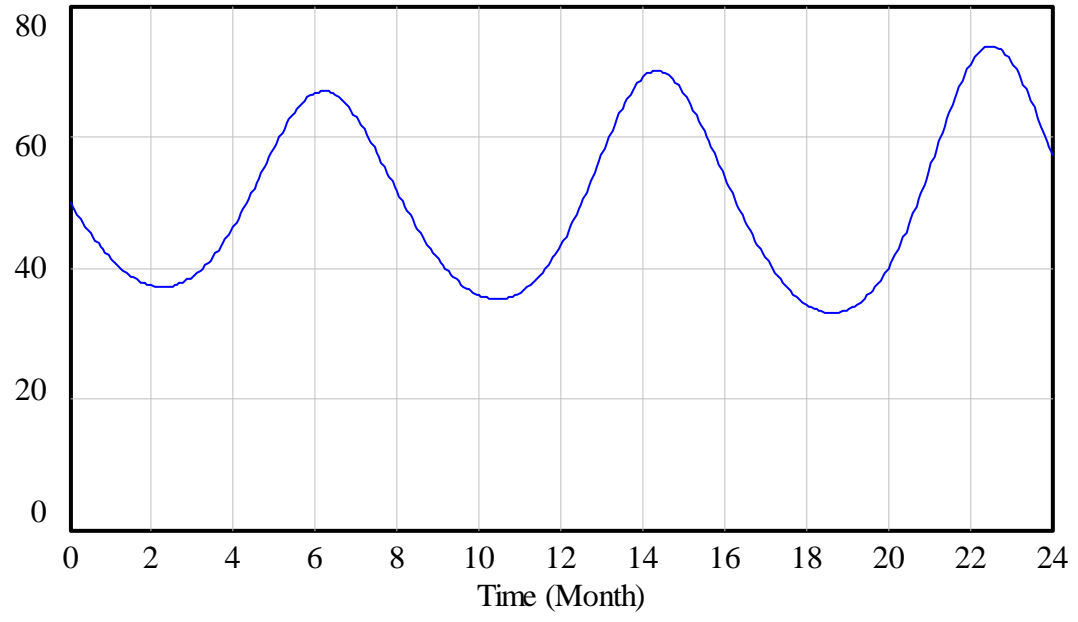


Effect





Effect



Effect : c1pt2 

WE NEED

to

DO



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