

Models of Complex Adaptive Social Systems

Steve Mazza

Naval Postgraduate School
Monterey, CA



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A Basic Framework

The elements of the eightfold path can be mapped to key modeling issues in complex social systems.

The Eightfold Way

- Wisdom
 - Right View
 - Right Intention
- Ethical Conduct
 - Right Speech
 - Right Action
 - Right Livelihood
- Concentration
 - Right Effort
 - Right Mindfulness
 - Right Concentration



Smoke and Mirrors: the Forest Fire Model

Eight Folding into One

Conclusion

- Different levels of adaptation impact behavior. The emergence of firewalls in the forest fire model demonstrates how collective intelligence can arise. Miller points to the interesting space between fixed rules and cognitive closure, referring to it as, “both clever and messy.”
- Applying different labels allow us to use the same model in a variety of different domains across the same problem class (e.g., forest fires, bank failures, urban-suburban migration).
- “The promise of uncovering deep connections among apparently disparate complex social systems is an important one.”

Complex Adaptive Social Systems in One Dimension

Example of columns 1

Contents of the first column

Contents split
into two lines

Example of columns 2

Contents of first column
split into two lines



Block Types

This is a Block

This is important information

This is an Alert block

This is an important alert

This is an Example block

This is an example

Questions?

FIN