Susceptible to conversion

*Interpretation*:

Some people experience personal crisis, which leads to them being susceptible to religious/cult conversion.

*Options for implementation*:

* Fraction of initial population is susceptible to conversion. “*Some people are always convertible*.
* Non-infected fluctuate between S and non-S. “*Everyone is sometimes convertible”.*
  + Explore difference in P(S -> non-S) and P(non-S -> S).
* Fraction of initial population fluctuates between S and non-S (i.e. some people will never convert). “*Some people are sometimes convertible”.*

From Susceptible to Exposed

Want cooperativity. So, two people are required to turn a Susceptible to Exposed.

Geometry

*Options*:

* Well mixed agent based.
* 2D agent based.
* Network.
  + If gets two connections which are cultists, become cultist.
  + Preferential attachment?
  + Like in superspreader model, probability to convert. Conversion strength depending on things like “distance from prophet“, or maybe each person randomly drawn a “conversion strength” (charisma).

Further options

Prophet/cult leader:

* Can single handedly convert people. Maybe directly to infected?

Competing cults/religions

* Like Voter model, can pull other cultists back to crisis-state.

Need something that limits spread of cult.

* Do people leave cult? Find apostate numbers.
* In network, could tie conversion strength to distance from prophet, idea being the prophet cannot see all cultists.

Reading

*In order of (expected) relevance*

1. Rambo, L. R. (1993). Understanding religious conversion
2. [Religious Conversion and the Concept of Socialization: Integrating the Brainwashing and Drift Models](https://www.jstor.org/stable/1385588)
3. [Cult formation: Three compatible models](https://academic.oup.com/socrel/article-abstract/40/4/283/1612715) (Sociological)
4. [Toward a general model of the process of radical conversion: An interactionist perspective on the transformation of self-identity](https://link.springer.com/article/10.1007/BF00986741)
5. [Psychology of Conversion and Spiritual Transformation](https://link.springer.com/article/10.1007/s11089-011-0364-5)
6. [Oxford handbook of religious conversion](https://academic.oup.com/edited-volume/34732#login-purchase)

Cusp catastrophe model of cult formation