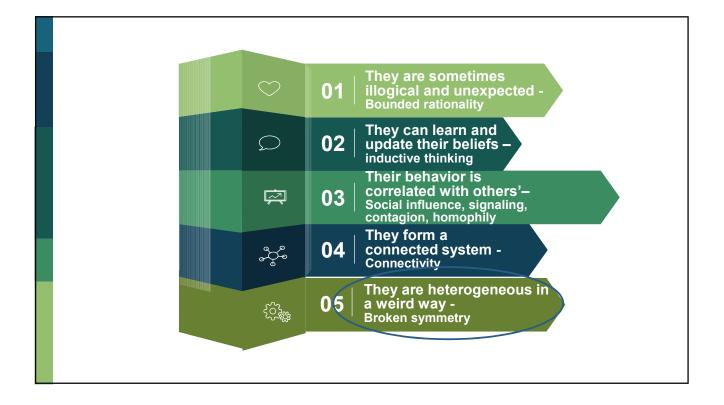
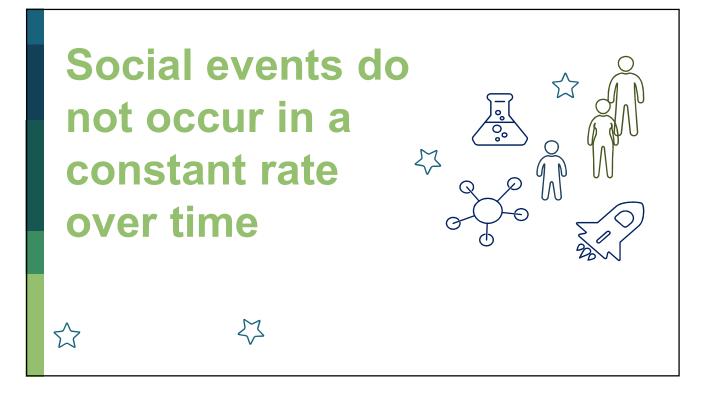
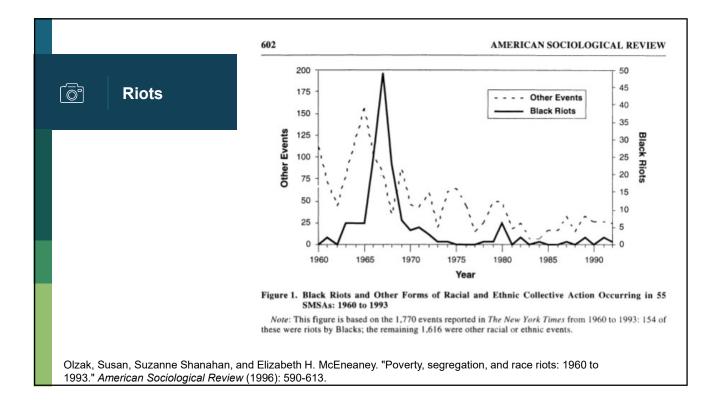


Using Exact Sciences Models for Understanding Social Phenomena Session 7 – On Bursts and Outliers

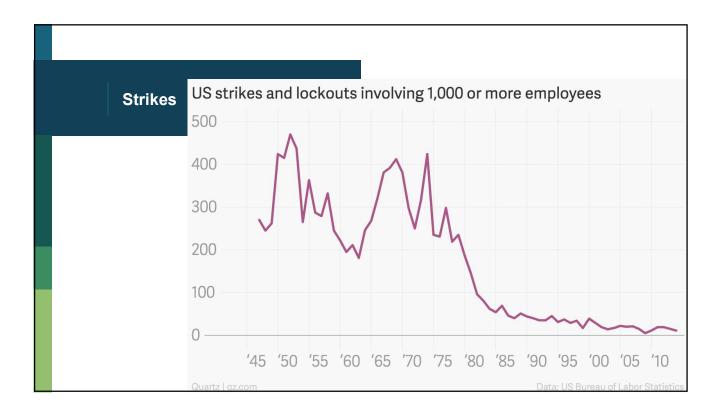
Dr. Renana Peres, School of Business Administration, The Hebrew University Course # 55772

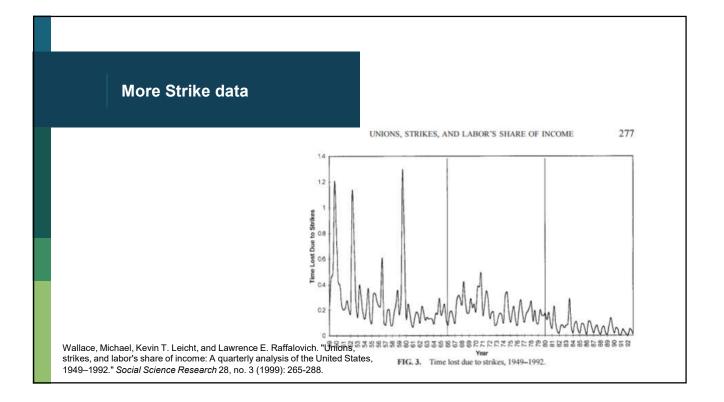






| Table 2. Frequency Distributions of Descriptive Characteristics of 154 Race Riots with Predominantly Black Participants in 55 SMSAs: 1960 to 1993 | | | Levels of Police Response | | | |
|--|-----------|---------|---|----|------|--|
| | | | Small numbers arrive after riot begins | 3 | 1.9 | |
| Riot Characteristic | Frequency | Percent | Local police officers present at riot | 62 | 40.3 | |
| Number of Participants Less than 50 | 9 | 5.8 | Police from local and neighboring towns | 49 | 31.8 | |
| 50 to 499 | 87 | 56.5 | Local and state police | 5 | 3.3 | |
| 500 to 1,000 | 28 | 18.0 | Local, state police and National Guard | 30 | 19.5 | |
| More than 1,000 Levels of Violence in Riots | 30 | 19.5 | Local police, Army, and National Guard units | 5 | 3.3 | |
| No weapons nor injuries reported | 3 | 1.9 | Targets of Riot | | | |
| Fire, sticks, guns, or bottles | 17 | 11.0 | The "system" or racism | 85 | 55.2 | |
| reported | | | Police actions or police property | 41 | 26.6 | |
| Sniping, firebombs, gunshots reported | 69 | 44.8 | White Groups or storeowners | 21 | 13.6 | |
| Property damage and/or personal injuries | 31 | 20.0 | Local community event or issue | 4 | 2.6 | |
| | | | Group of Jews or Jewish leaders | 2 | 1.3 | |
| Participants, bystanders, or police killed | 34 | 22.0 | Mixed ethnic group target | 1 | .6 | |

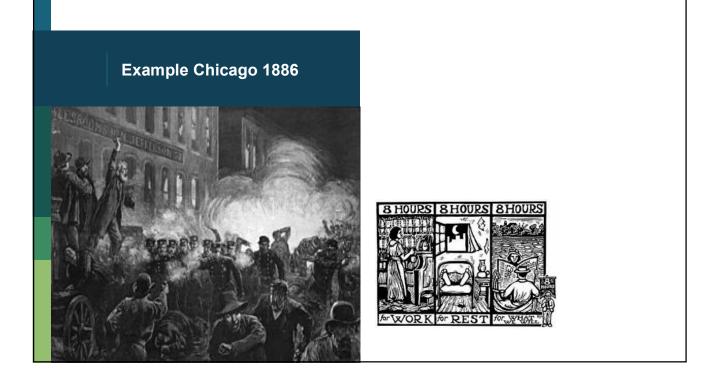




A Strike wave

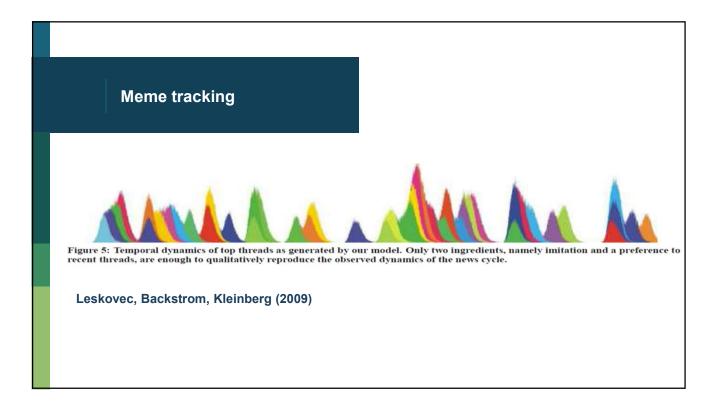
A year when the number of striking workers and the frequency of strikes both exceed the average of the preceding five years by at least 50%, all within the boundaries of a national state.

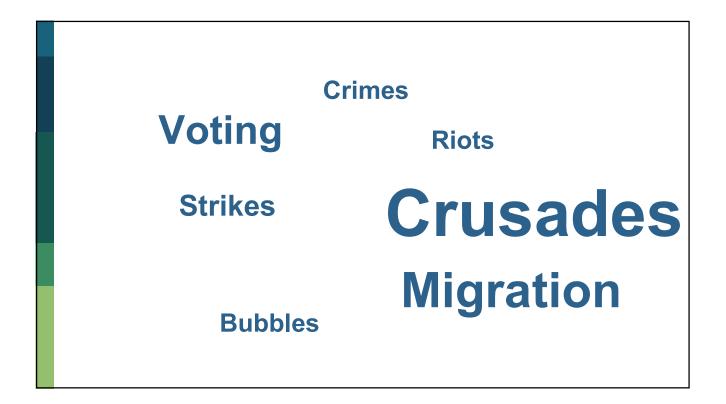
Shorter and Tilly (1974, pp. 106–7)

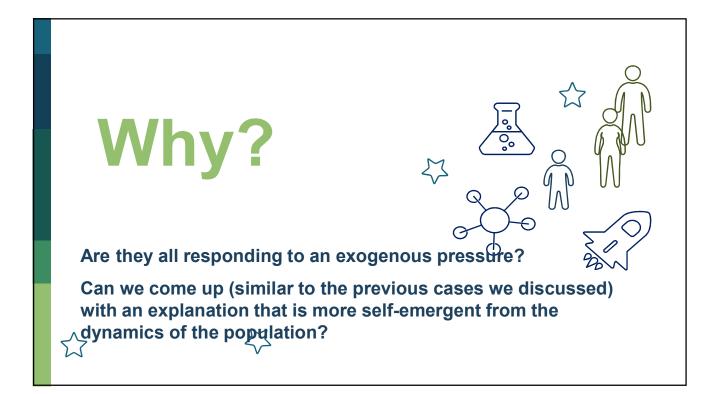


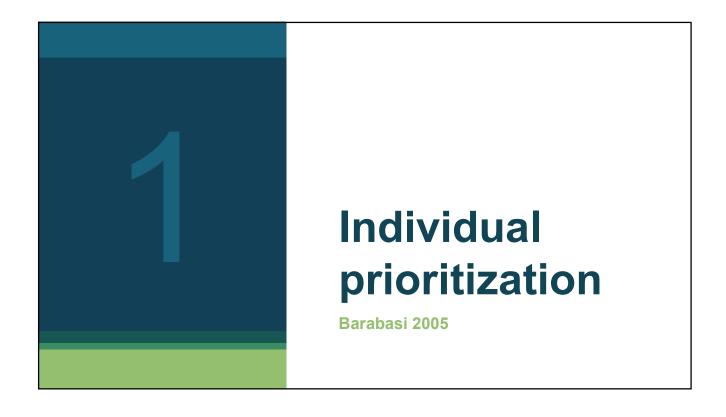


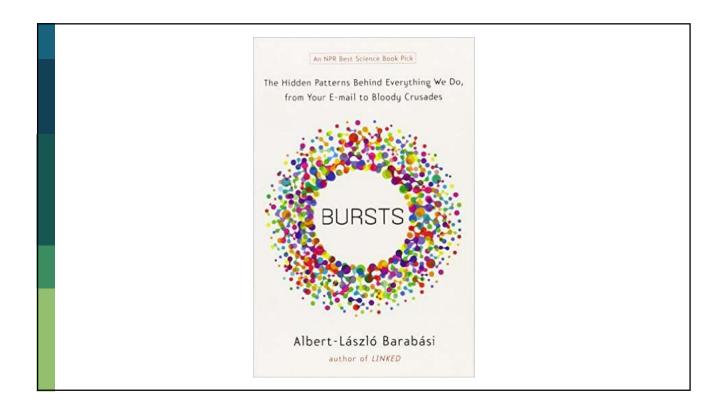




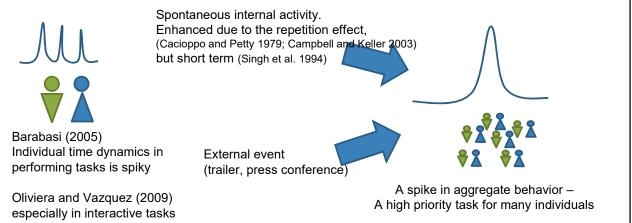




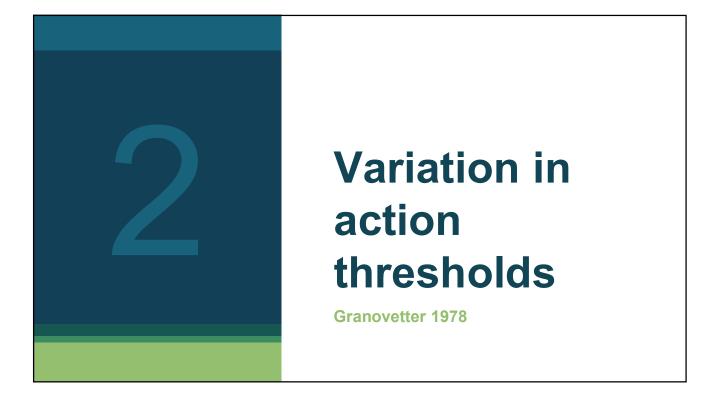


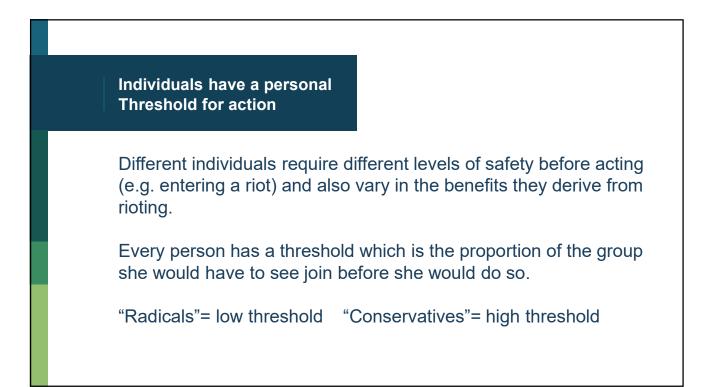


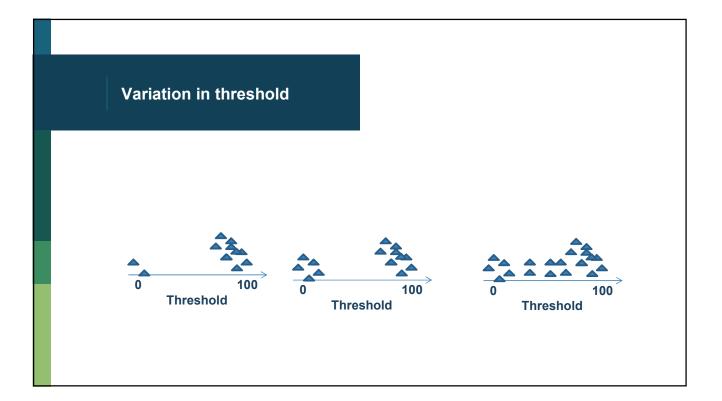
Spikes are generated through prioritization and repetition

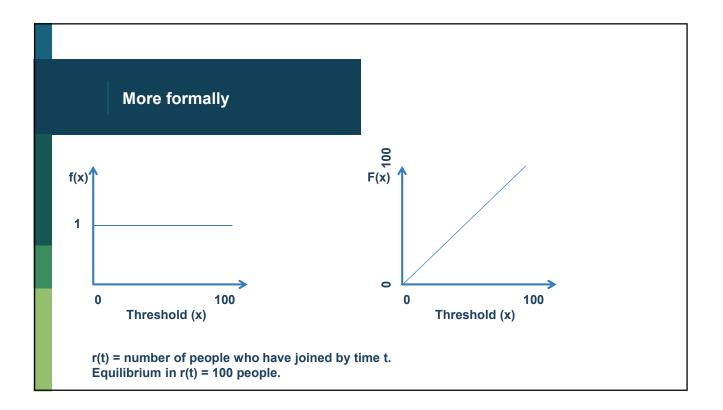




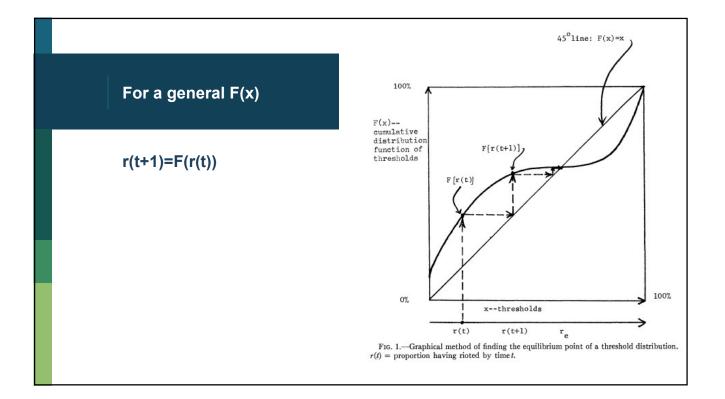


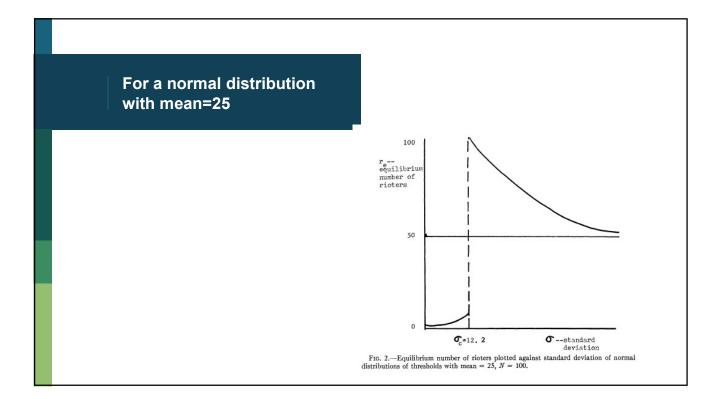


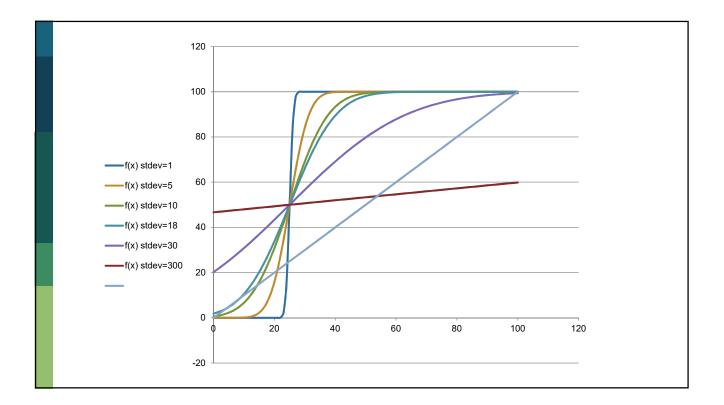


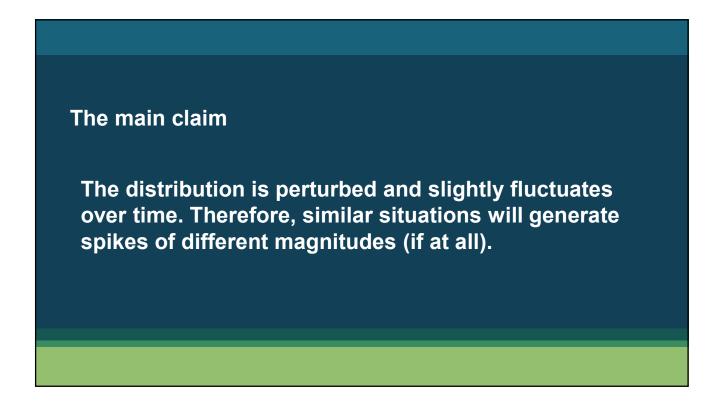


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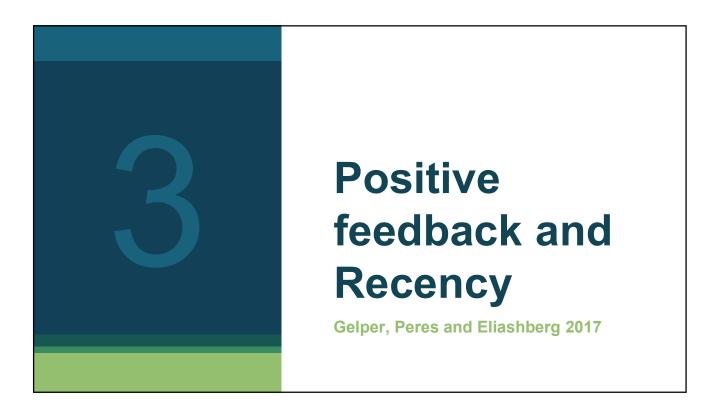


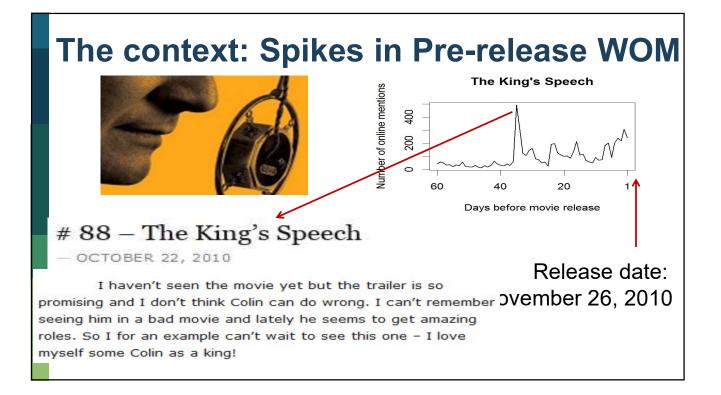


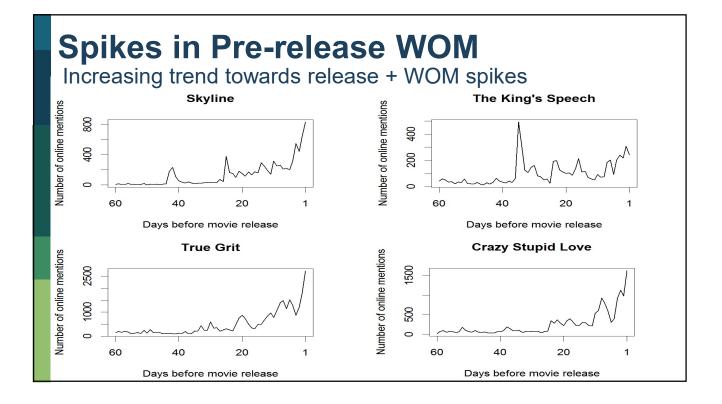


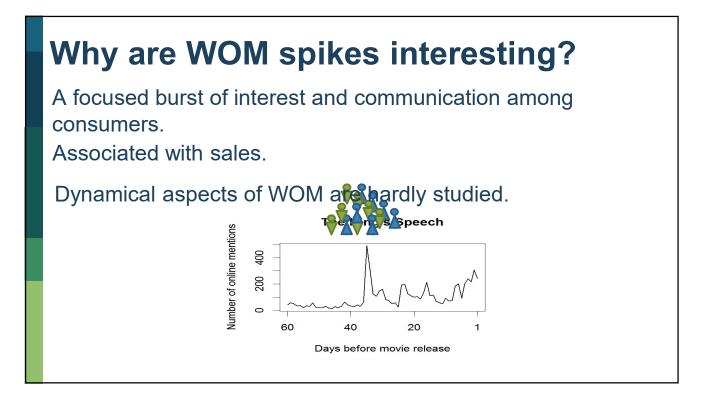


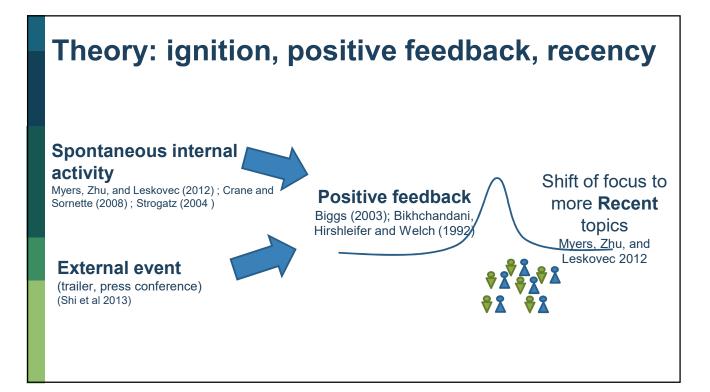


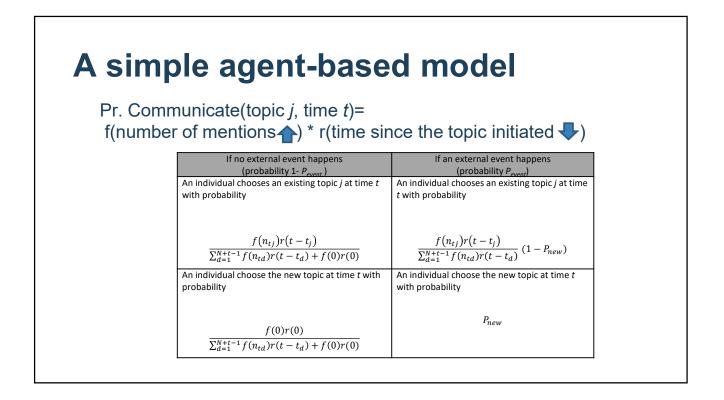


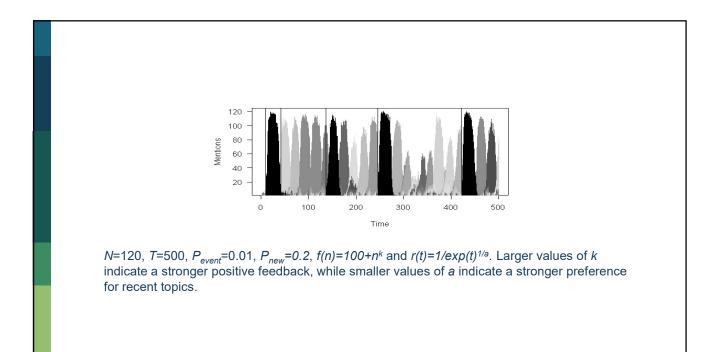


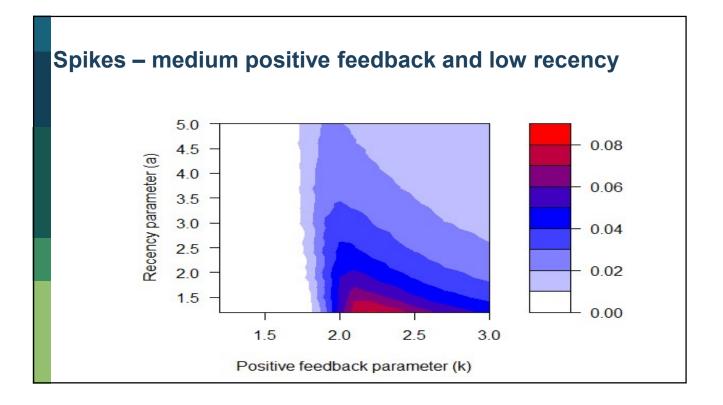


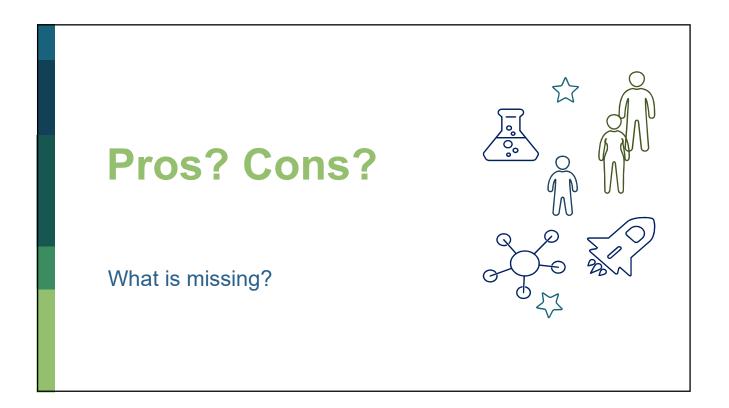














Hardship vs Legitimacy of a central authority

Epstein 2002

