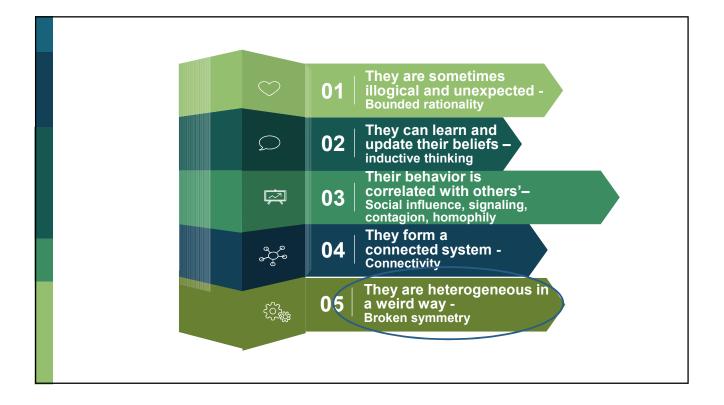
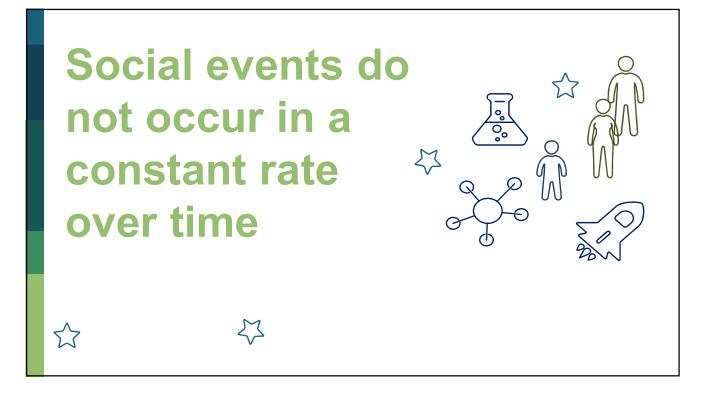


Using Exact Sciences Models for Understanding Social Phenomena Session 7 – On Bursts and Outliers

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





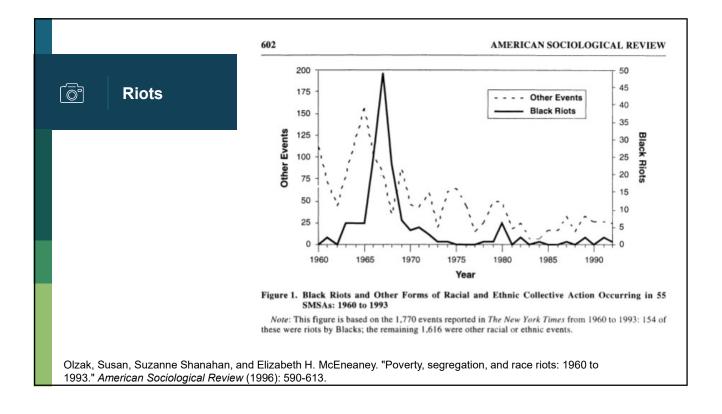
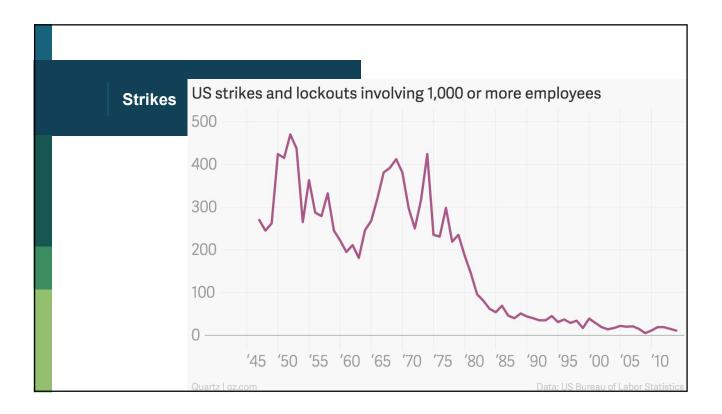
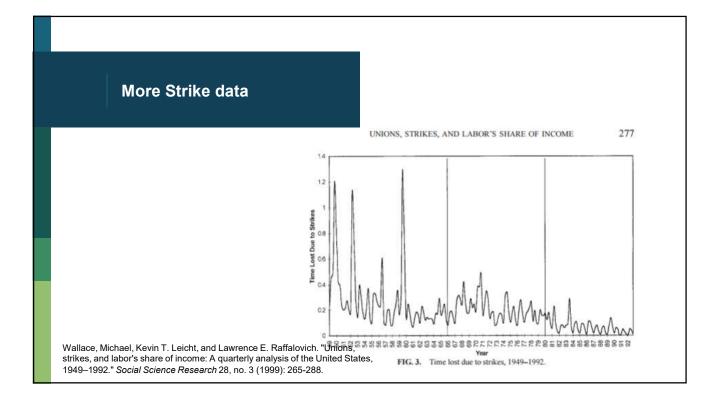


Table 2. Frequency Distributions of Descriptive Characteristics of 154 Race Riots with Predominantly Black Participants in 55 SMSAs: 1960 to 1993			Levels of Police Response			
			Small numbers arrive after riot begins	3	1.9	
Riot Characteristic	Frequency	Percent	Local police officers present at riot	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	

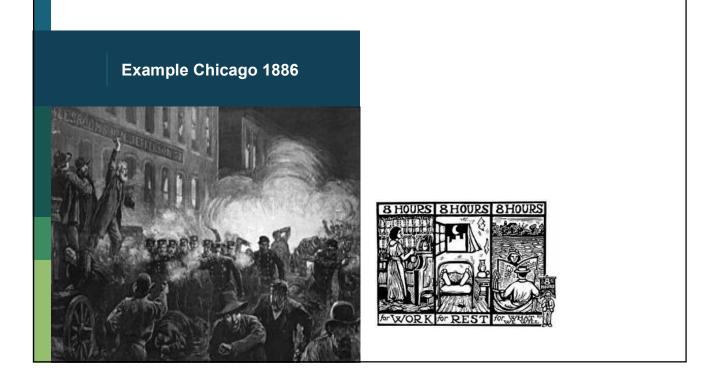




A Strike wave

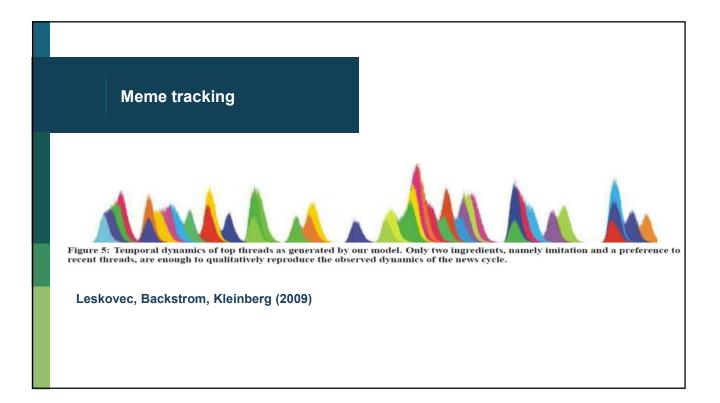
A year when the number of striking workers and the frequency of strikes both exceed the average of the preceding five years by at least 50%, all within the boundaries of a national state.

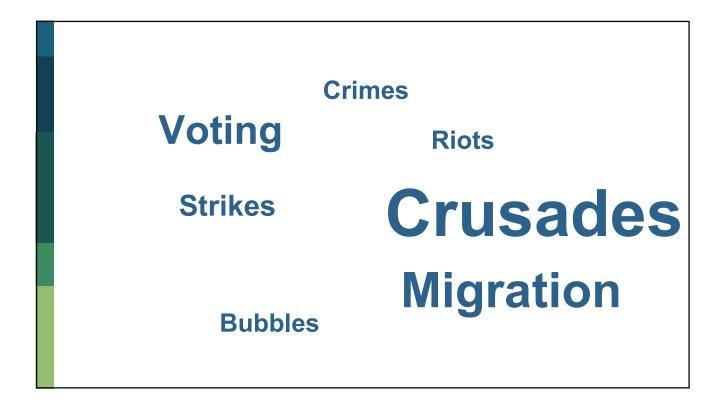
Shorter and Tilly (1974, pp. 106–7)

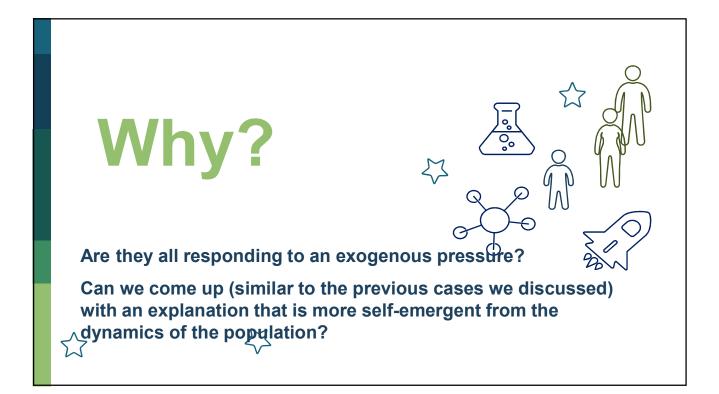


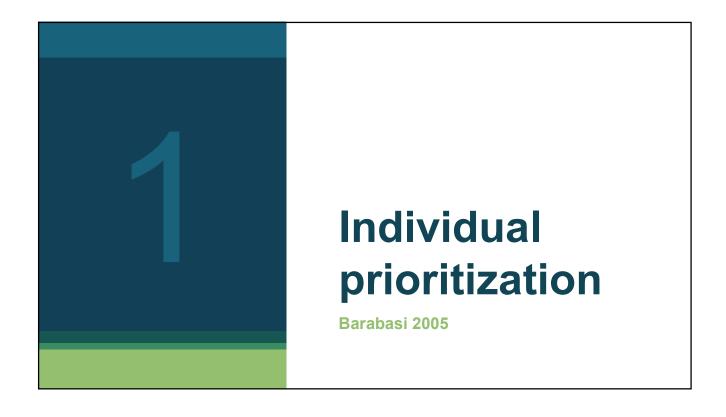


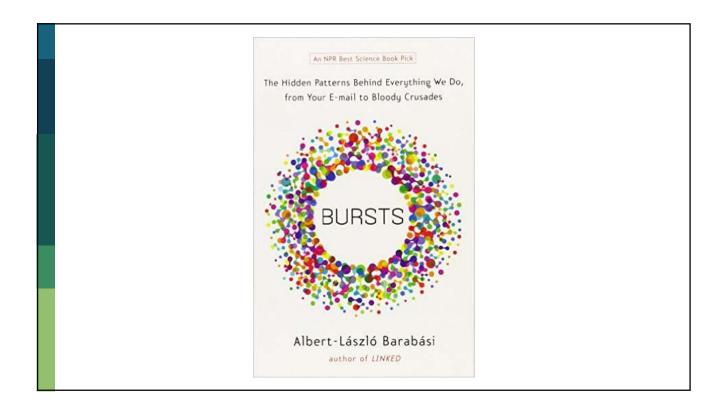




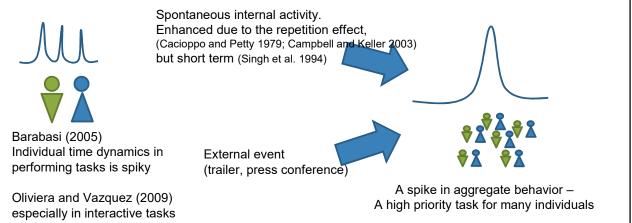




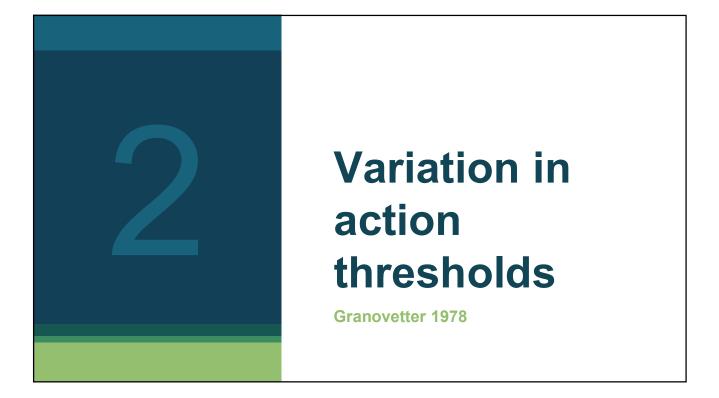


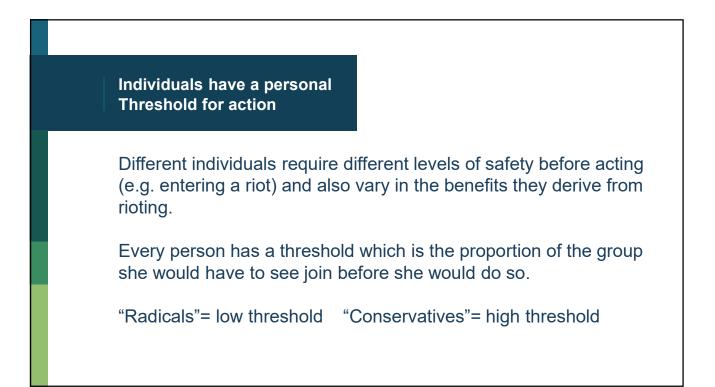


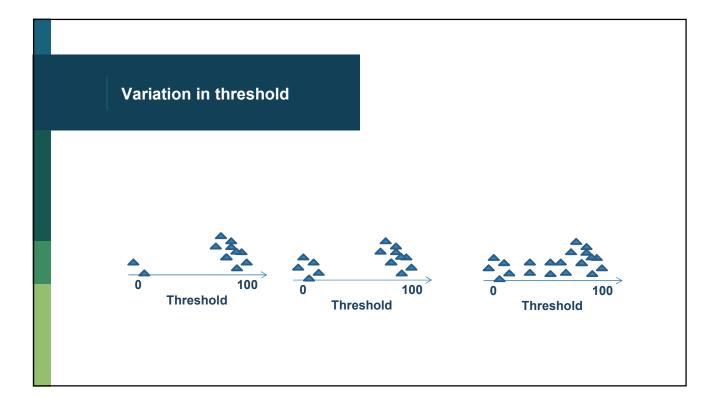
Spikes are generated through prioritization and repetition

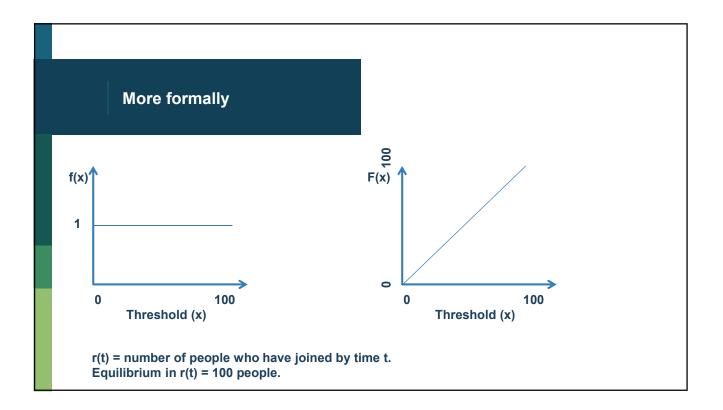




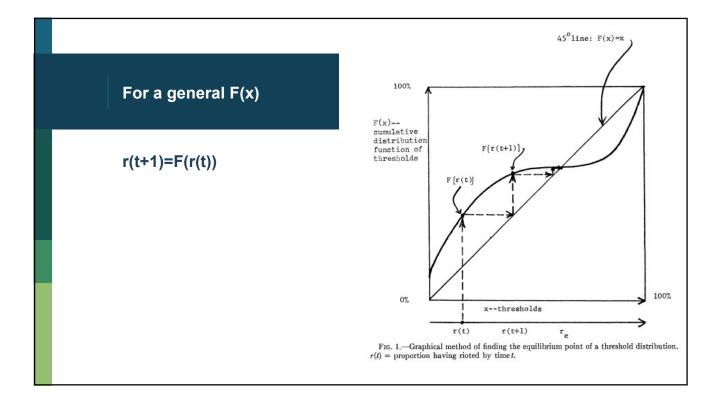


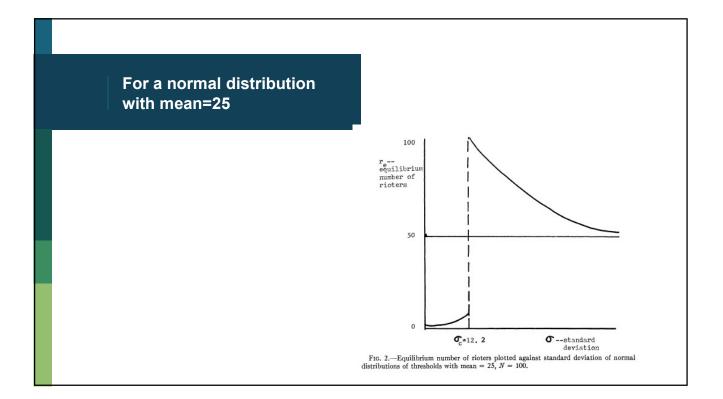


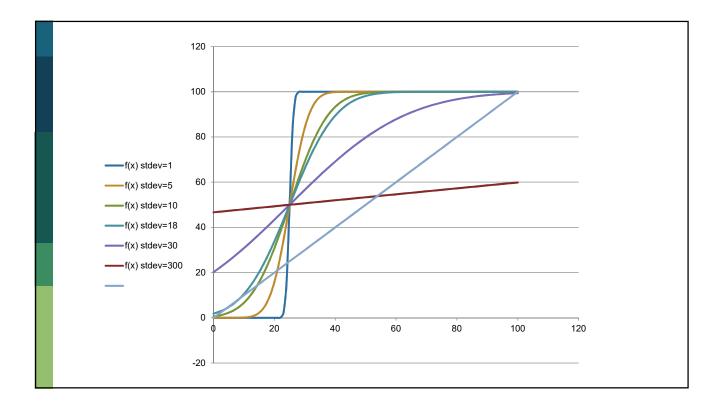


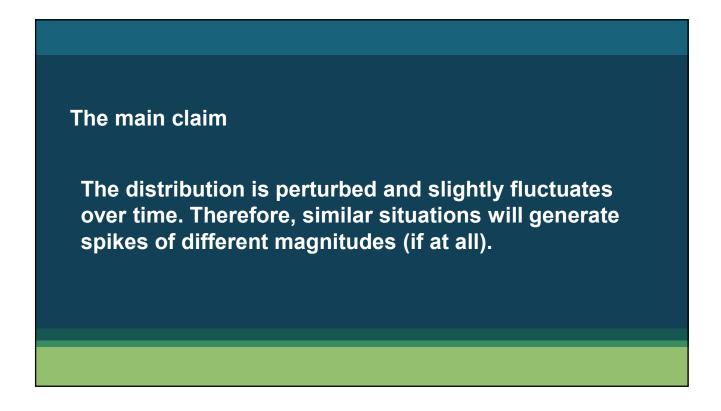


5/14/2017

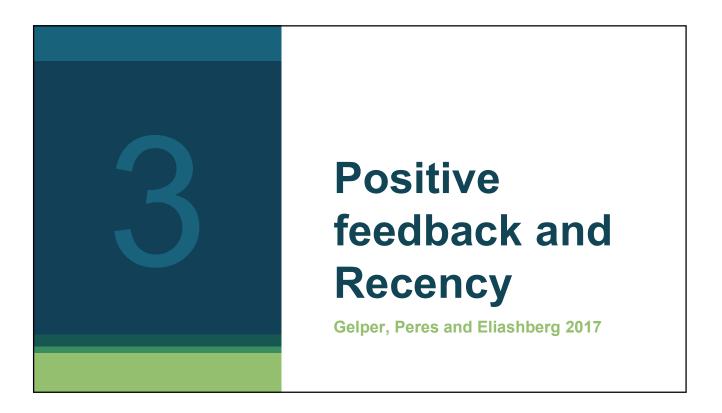


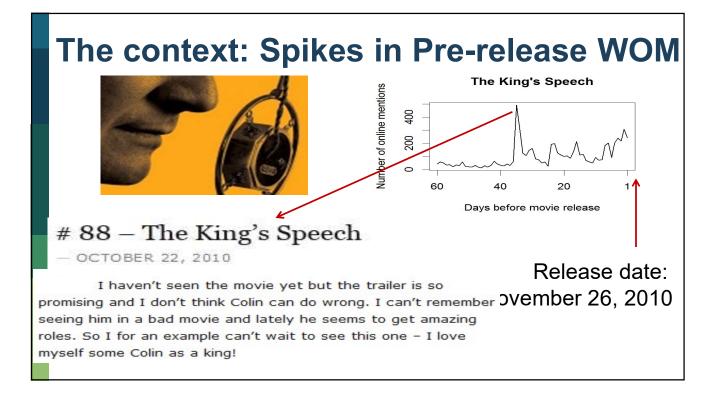


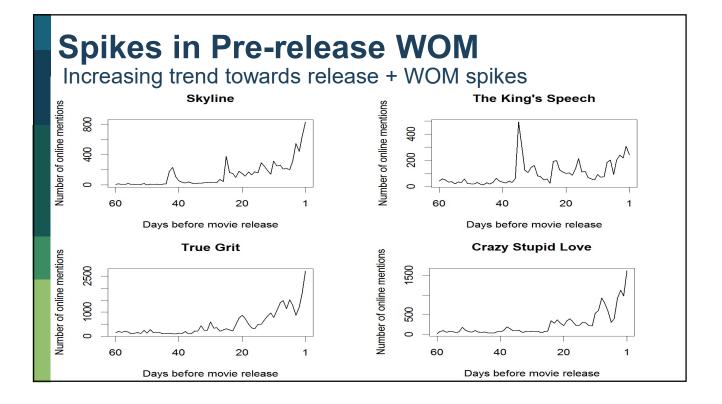


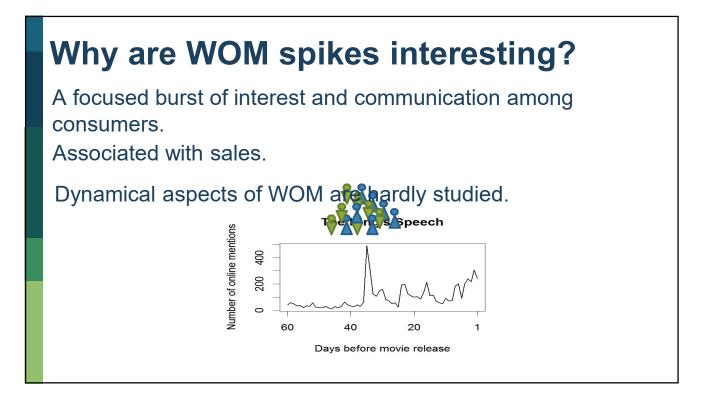


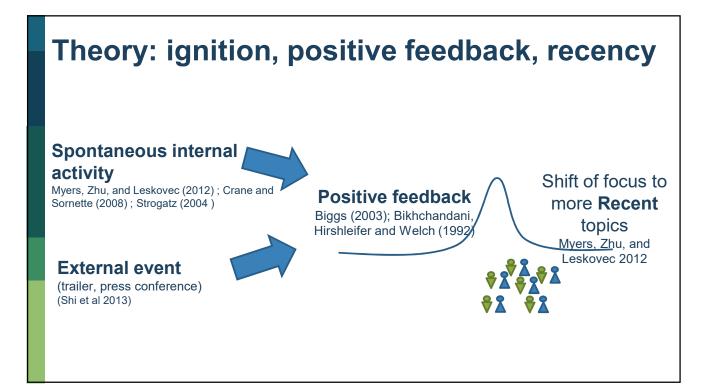


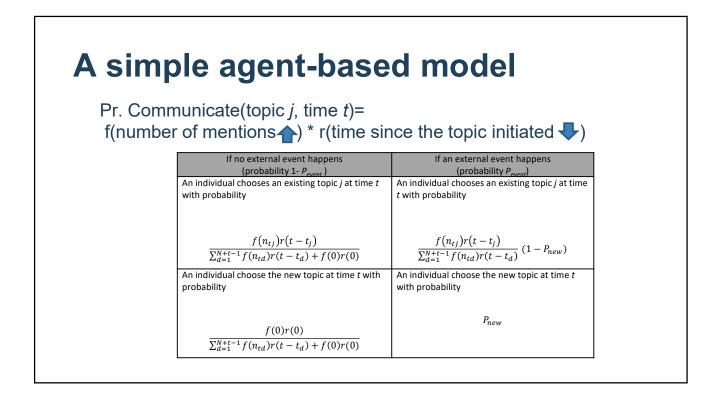


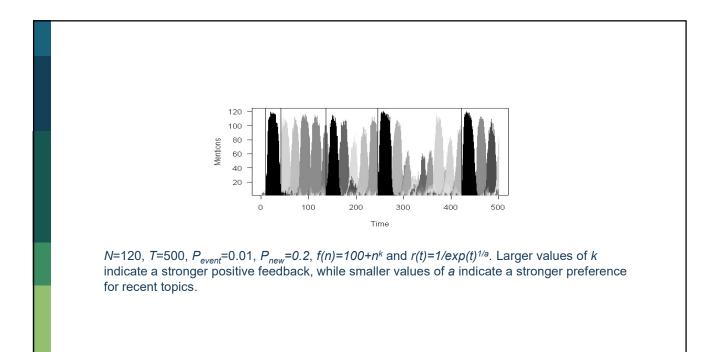


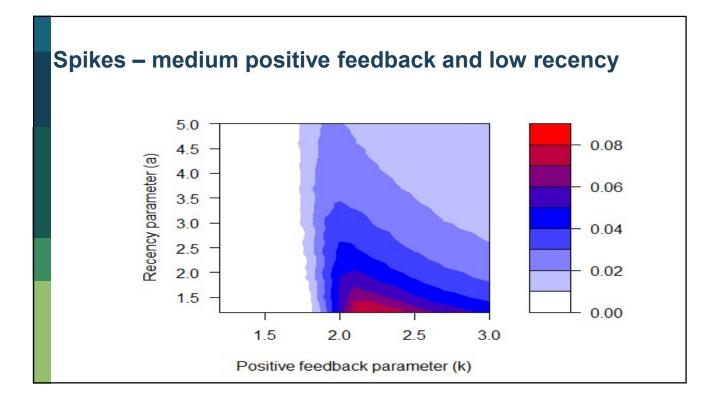


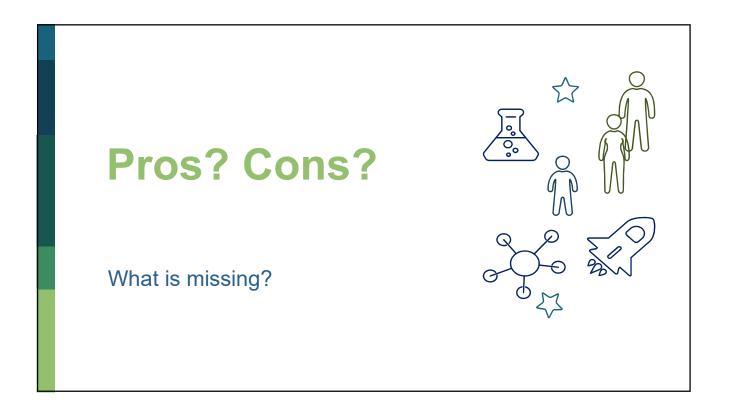














Hardship vs Legitimacy of a central authority

Epstein 2002

