Lecture 23: Who knows what about who?

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Sociology 204: Social Networks Princeton University

2/2 Secrets



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 - ▶ important for scale-up method
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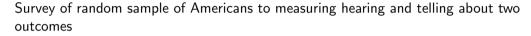
- your perception of the social world is distorted
- your perception of your own social world is distorted
- Why do we care?
 - important for scale-up method
 - interesting
 - impacts social influence
 - potentially creates social stasis

Cowan: secrets and self-fulfilling illusions

Contact hypothesis:	when individuals com	e into contact with	a stigmatized outgroup,
prejudice decreases			

What if secrets prevent us from realized that we are already in connect with

stigmatized outgroups?



- having an abortion

having a miscarriage

Hypothesis 1: Among concealable characteristics, the less stigmatized the

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- ▶ 75% of Americans report knowing someone who has had a miscarriage

▶ 50% of Americans report knowing someone who had an abortion

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- ▶ 75% of Americans report knowing someone who has had a miscarriage
- ▶ 50% of Americans report knowing someone who had an abortion
- Estimated that nearly 20% of recognized pregnancies end in abortion
 Estimated that 13% of recognized pregnancies end in miscarriage

Table 1: Frequency and Magnitude of Secret Telling and Secret Keeping for Own and Others' Miscarriages and Abortions, AMACS 2012

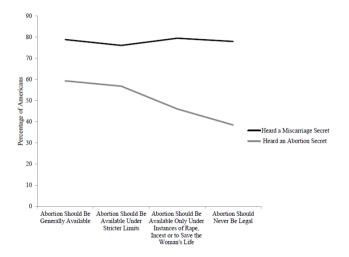
	Respond	ent or		Respond	ent Has	
	Partner Has Had:			Heard of Someone Else's:		
	Miscarriage	Abortion	Diff.	Miscarriage	Abortion	Diff.
Secret telling				-		
Respondent disclosed secret (%)	77.31	66.00	+	31.14	15.85	+
If disclosed, mean number of						
people told	2.63	1.24	÷	2.73	2.22	+
Total people told per event	2.03	0.82	÷	0.85	0.35	Ť
Secret keeping ^a						
Respondent kept secret (%)	7.36	31.01	†	12.71	24.68	†
If kept, mean number of people						
kept from	2.61	2.63		3.66	3.01	*
Total people secret kept from						
per event	0.20	0.82	t	0.47	0.74	†
N	278	179		1275	856	

▶ Difference in hearing is because miscarriage secrets are told to more people and concealed from fewer people

Hypothesis 2: Among concealable characteristics, people who hold positive attitudes

toward the characteristics are more likely to hear about it

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- Comparison between abortion and miscarriage is key here
- ► Cowen thinks attitude change is unlikely to explain this pattern

Hypothesis 3: Among concealable characteristics, the more stigmatized the more likely

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Supported by:

- open-ended responses to survey
- ▶ intake data from abortion clinic

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Information ends up where it will have the least effect leading to social stasis

stigmatized outgroups?

Goel et al: Real and perceived attitude homophily

Not assigned

homophily: "love of the same" (offline filter bubble)

People tend to be connected to people who are similar to them:

- sociodemographic homophily
- attitude homophily

Maybe our attitudes are not as similar as we think to our friends?

"Would you go to a One Direction concert if you were given free tickets?" Alice and Bob are friends:

► Alice answers question about Alice

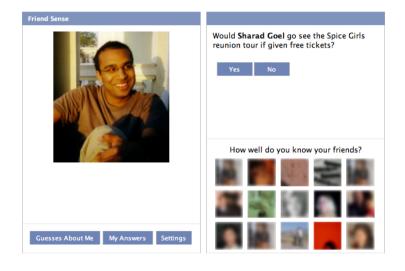
► Alice answers question about Bob

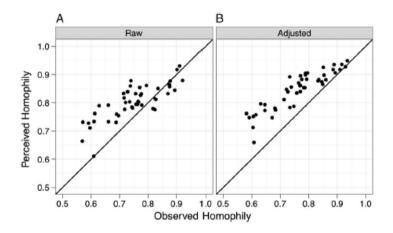
▶ Bob answers question about Bob

► Bob answers question about Alice

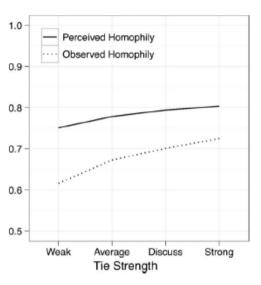
From patterns, we can estimate actual agreement and perceived agreement

Facebook app used "social graph"; kind of like a social quiz

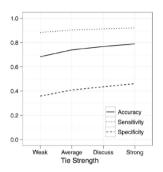




► For almost all questions considered, perceived agreement is higher than observed agreement (although it depends a bit on statistical adjustments)

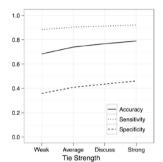


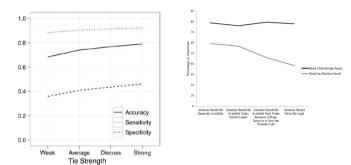
► Perceived agreement is higher than observed agreement for all different tie strengths

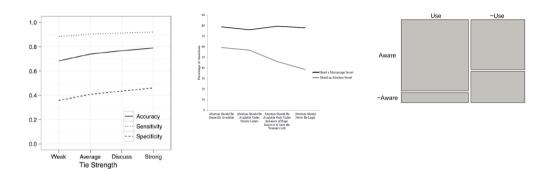


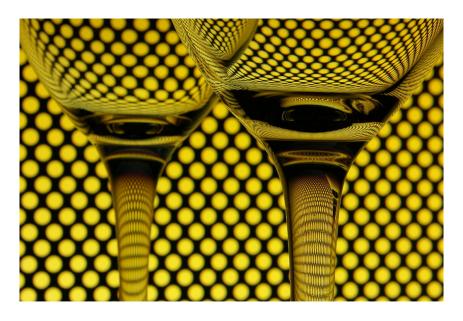
People are bad at detecting disagreement

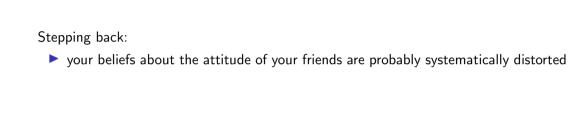
- Accuracy = p(correct guess)
- Sensitivity = p(correct guess given agreement)
- Specificity = p(correct guess given disagreement)

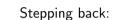












systematic biases in information awareness may promote stability of attitudes

- your beliefs about the attitude of your friends are probably systematically distorted

Stepping back:

- your beliefs about the attitude of your friends are probably systematically distorted
- systematic biases in information awareness may promote stability of attitudes
- > systematic biases can mess up scale-up estimates, but these can be measured