Implicit and Explicit Attitudes Towards Rape, Rape Outcome Expectancies, and Sexual Aggression



Canada's Capital University

Sacha A. Maimone, Chantal A. Hermann, Maya Atlas, Julia Berliant, & Kevin L. Nunes



Overview

Introduction

- · Attitudes and behaviour
- · Define attitudes towards rape (explicit and implicit)
- · Past research
- · Purpose and hypotheses

Method

- Measures used
- Sample

Results

Discussion

- · Summary of results
- Interpretation
- Limitations
- · Future directions

Carleton UNIVERSITY Canada's Capital University

Introduction

- Past research has found 4.3% to 15% of community and college men commit rape and 11% to 64% commit sexually aggressive acts (e.g., Abbey, Koss, Kingree, Goree, & Rice, 2010)
- Research suggests cognition supportive of offending is an important factor associated with sexually and non-sexually violent behaviour (e.g., Anderson & Bushman, 2002; Ward, Gannon, & Keown, 2006)



Introduction

- Clarify relationship between cognition and sexually aggressive behaviour (Nunes, Hermann, Ratcliffe, 2013)
- Focus on more specific cognitions such as attitudes
- Many theories of sexual offending hypothesize that attitudes towards a behaviour can influence the likelihood of engaging in that behaviour (e.g., GAM; Anderson & Bushman, 2002; HCM; Malamuth, 2003; JMCD; Ward, Gannon, & Keown, 2006)
- Meta-analyses have found medium (r = .38, k = 88, Kraus, 1995) to large (r = .52, 95% CI [.49 to .54], N = 4,598; Glasman & Albarracín, 2006) associations between attitudes and behaviour
- · Attitudes important determinants of behaviour



Definition of attitudes

- Attitudes have typically been defined as summary evaluations (e.g., positive vs. negative) of psychological objects (Eagly & Chaiken, 1993)
 - Attitudes towards rape are evaluations of rape
- Implicit attitudes: immediately automatically activated evaluations of a psychological object (Gawronski & Bodenhausen, 2006)
 - response latency measures (i.e., IAT)
- Explicit attitudes: deliberative propositional reasoning about a psychological object (Gawronski & Bodenhausen, 2006)
- self-report measures
- Implicit and explicit attitudes are distinct constructs (e.g., Nosek & smyth, 2007) and independently predict behaviour (Cameron, Brown-Iannuzzi, & Payne, 2012)



Past Research

- Only two studies to date have examined implicit attitudes towards rape using response latency measures
- 1. Nunes, Hermann, & Ratcliffe (2013):
 - Found implicit and explicit attitudes towards rape were independently associated with past sexually aggressive behaviour
- 2. Widman & Olson (2012):
 - Found implicit attitudes towards rape were positively associated with past sexually aggressive behaviour among student and community men



Purpose and Hypotheses

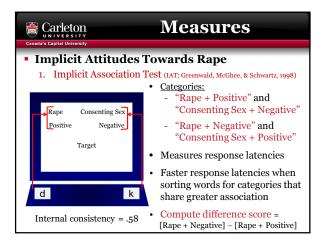
Purpose:

 Replicate and further examine the relationship between implicit and explicit attitudes towards rape and sexual aggression by implementing implicit attitude measures.

Hypotheses:

Implicit and explicit attitudes towards rape will be:

- Intercorrelated (associated with one another)
- 2. Are associated with self-reported sexually aggressive behaviour (past and future likelihood)
- 3. Explicit attitudes will moderate the relationship between implicit attitudes and sexually aggressive behaviour





Implicit Attitude Measures (cont.)

- Affect Misattribution Procedure (AMP; Payne, Cheng, Govorun, & Stewart, 2005)
 - <u>Procedure</u>: Show a prime word (e.g., rape) for 200 ms, blank screen for 125 ms, then neutral Chinese character for 100 ms, and then a gray screen
 - Evaluate whether Chinese character is positive or negative
 - Expect that prime will influence the evaluation of Chinese character
 - Those who view rape positively will evaluate the Chinese character more positively following a rape prime word
 - Higher scores indicate a more positive evaluation of the prime word



Explicit Attitude Measures

Explicit Attitudes Towards Rape

- 1. Semantic Differential Measure (SDRAPE)
 - Five 7-point bipolar scales assessing rape (i.e., rape is...)
 - negative to positive
 - bad to good
 - not enjoyable to enjoyable
 - wrong to right
 - immoral to moral
 - The index used is the average of the scales assessing rape.
 - Higher SDRAPE scores indicate more positive evaluations of rape
 - Internal consistency was .90



Measures (cont.)

- Explicit Attitudes Towards Rape (continued)
- 1. Rape Outcome Expectancies Scale (ROE)
- Cognitive Distortions
- 1. Bumby Rape Scale (BRAPE; Bumby, 1996)
 - 36 statements assessing extent of agreement or disagreement with various rape-supportive statements
 - Internal consistency was .94



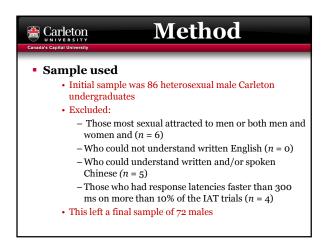
Outcome Measures

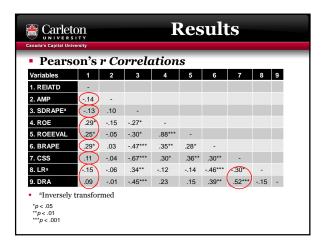
Behavioural Outcome Measures

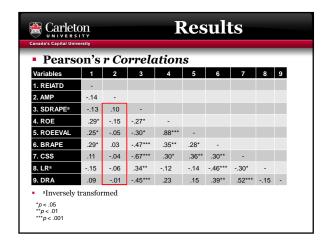
- 1. Past Sexual Aggression:
 - 1. Coercive Sexuality Scale (CSS; Rapaport & Burkhart, 1984)
 - Used modified CSS (as described previously)
 - Used continuous scores rather than grouped

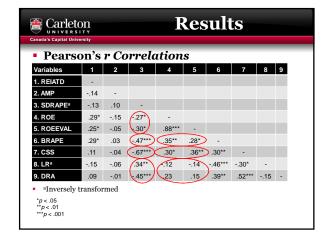
2. Future Likelihood of Sexual Aggression:

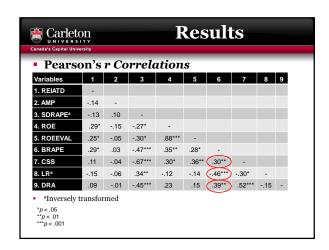
- 1. Date Rape Analogue (DRA; Pullman, 2011)
 - $\bullet \ \ Measures \ of \ self-reported \ future \ likelihood \ of \ sexual \ aggression$
 - Read a story describing date-like interaction between man and women (POV of male)
 - Higher scores indicate greater likelihood of future sexual aggression
- 2.Likelihood to Rape Question (LR; Malamuth, 1981)

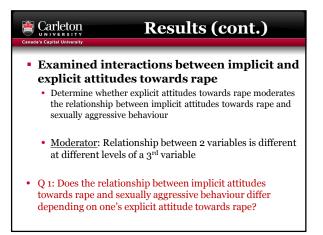














Results (cont.)

- · Interactions between implicit and explicit attitudes:
 - Rape Evaluation IAT × Semantic Differential (SDRAPE)
 - Rape Evaluation IAT × Rape Outcome Expectancies (ROE)
 - AMP × Semantic Differential (SDRAPE)
 - AMP × Rape Outcome Expectancies (ROE)
- No meaningful significant results were found using DRA, LR, or CSS as outcome



Summary of Results

- Intercorrelated?
 - · Implicit and explicit attitudes (SDRAPE)- No
 - · Implicit and outcome expectancies (ROE & ROEEVAL)- Yes
 - Implicit measures- No
 - · Semantic differential scale and outcome expectancies- Yes
 - Associated with sexual aggression?
 - Explicit evaluations of rape (semantic differential)
 - associated with past and future self-reported likelihood of sexual agaression
 - · Rape outcome expectancy scale (ROE)
 - Associated with past sexual aggression only
 - Implicit evaluations of rape (i.e., IAT)
 - $\hbox{-}\ Not\ associated\ with\ past\ or\ future\ likelihood\ of\ sexual\ aggression}$
 - · AMP not associated with anything



Interpretations

- Consistent with previous research we found that
 - Implicit and explicit attitudes towards rape are significantly associated with one another
- However...
- Inconsistent with previous research
 - Only explicit attitudes towards rape were significantly associated with sexually aggressive behaviour
- Therefore...
 - Attitudes towards rape (explicit) appear to be important factors associated with sexually aggressive behaviour
 - Consistent with research suggesting attitudes influence various behaviours



Limitations

- Study used a sample of male undergraduate students who reported little past sexually aggressive behaviour
- Cross-sectional nature of the data (data on all measures collected at same time)
- The fact that there were so few sexually aggressive participants



Future Directions

- Look at the association between attitudes towards rape and sexually aggressive behaviour among a more sexually violent sample
- Examine potential causal relationships between attitudes towards rape and sexually aggressive behaviour

Carleton
UNIVERSITY
Canada's Capital University

Thank you

Questions?

*Maimone, S. A., Hermann, C. A., Atlas, M., Berliant, J., & Nunes, K. L.

(2013, October). Implicit and Explicit Attitudes, Rape Outcome
Expectancies, and Sexual Aggression. In C. A. Hermann (Chair)
Implicit and Explicit Cognition Associated with Rape.
Symposium to be conducted at the 32nd Annual Research and
Treatment Convention of the Association for the Treatment of
Sexual Abusers, Chicago, Illinois.

*Email: sachamaimone@cmail.carleton.ca