

Cognitive (in)flexibility as a predictor for sexist workplace attitudes Jose Cordova and Helen Colby Indiana University School of Liberal Arts Indiana University-Purdue University Indianapolis CENTER FO



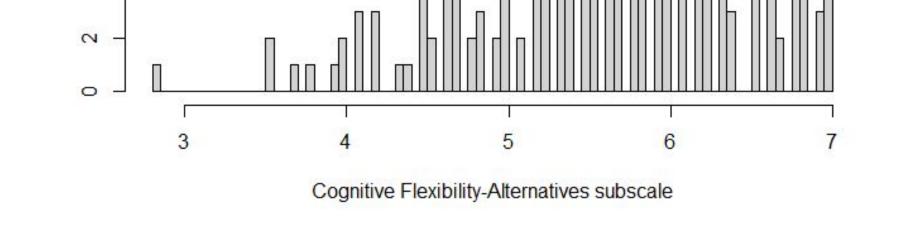
Introduction	Material and Methods	Results continued
Gender discrimination is a persistent issue today. According to Parker and Funk (2017), 42% of working American women face workplace discrimination This work aims to	 Two Qualtrics surveys were constructed and posted on MTurk Survey 1/Pilot (N=100, mean age=37.1, 64% male): Implicit Association Test (Greenwald, et al, 2001) Cognitive Flexibility Inventory (Dennis & Vander Wal, 2010) Attitudes towards traditional gender roles Demographic items Survey 2 (n=200, mean age=38.7, 55.7% male): Explicit discrimination towards women in workplace 	Reported Alternatives subscale of CFI of survey2

understand the underlying psychological determinants of gender discrimination in the workplace. Specifically, it aims to examine the role of cognitive flexibility and tendency to associate women/men to traditional gender roles. To test the hypothesis that an increased cognitive flexibility has an inverse relationship with traditional gender role attitudes, participants (n=300) were asked to fill out an online survey containing measurement tools which aim to quantify said variables.

Important terms:

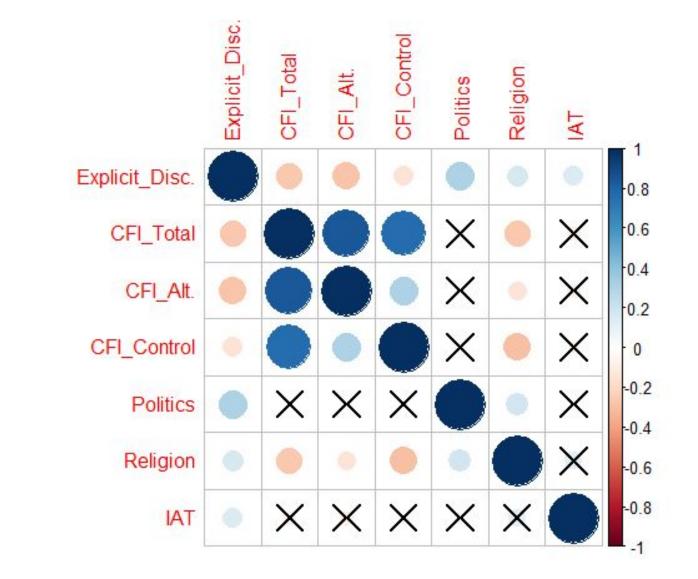
• Demographic items

- Attitudes towards traditional gender roles
- Participants probability of hiring or imagining different individuals working in the video game industry items



Results

Survey 1 correlation table:



*Politics: politics from liberal-conservative on 7-point Likert scale *Religion: religion from not at all religious-very religious on 7-point Likert scale *IAT: score from the Implicit Association Test, ranges from -1 to 1, also known as d score *Explicit_Disc: explicit discrimination items

Conclusions

- There was no significant relationship between the IAT and self reported cognitive flexibility in the pilot.
- There was a stronger relationship between explicit measures and self reported cognitive flexibility in both trials.
- The second trial showed that there was a stronger relationship between envious stereotypes and low probability of hiring a 26-year-old woman for game development.
- After examining the effect by gender, the effect was stronger for men than for

- Cognitive flexibility: "a persons awareness of communication alternatives, willingness to adapt to a situation and self efficacy in being flexible."
- Implicit stereotypes: a stereotype that is relatively inaccessible to conscious awareness or control.
- **Explicit stereotypes**: a stereotype that you deliberately think about and report.

Survey 2 Linear Models:

	"How likely are you to hire a 26 year old woman [video game development]			
Predictors	Estimates	CI	р	
(Intercept)	2.94	0.93 - 4.95	0.004	
CFI- Alternatives	0.37	0. <mark>10 - 0.6</mark> 4	0.008	
CFI- Control	-0.06	-0.25 - 0.14	0.567	
Social Desriability	0.03	-0.03 - 0.09	0.260	
Education	-0.00	-0.14 - 0.14	0.985	
Politics	-0.02	-0.13 - 0.09	0.694	
Paternalistic Stereotypes	0.17	-0.11 - 0.45	0.233	
Envious Stereotypes	-0.44	-0.750.13	0.006	
Contemptous Stereotypes	0.13	-0.19 - 0.46	0.410	
Age	0.01	-0.00 - 0.03	0.149	
Observations	202			
$\mathbb{R}^2 / \mathbb{R}^2$ adjusted	0.134 / 0.093			

	'How likely are you to hire a 26 year old woman [video game development] *MALES ONLY''				
Predictors	Estimates	CI	р		
(Intercept)	1.62	-1.31 - 4.55	0.276		
CFI- Alternatives	0.67	0.31 - 1.03	<0.001		
CFI- Control	-0.12	-0.40 - 0.16	0.388		
Social Desirability	0.01	-0.08 - 0.09	0.904		
Education	-0.06	-0.26 - 0.15	0.576		
Politics	-0.07	-0.24 - 0.09	0.389		
Paternalistic Stereotypes	0.22	-0.21 - 0.64	0.314		
Envious Stereotypes	-0.58	-1.050.12	0.015		
Contemptous Stereotypes	0.29	-0.17 - 0.76	0.216		

women, suggesting moderation by gender

Future research should focus on understanding differences between genders as well as using measures of cognitive flexibility that are not self reported.

References

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