

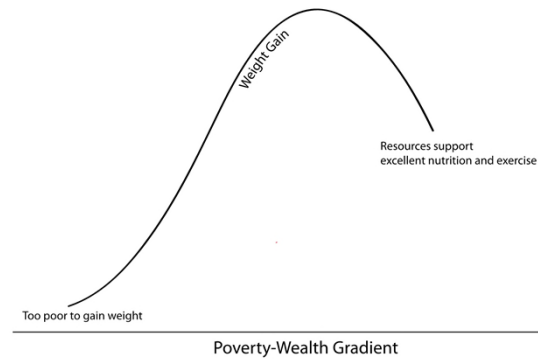
Big Bodies/Small World

Biocultural perspectives on weight stigma

Alexandra Brewis (Slade)

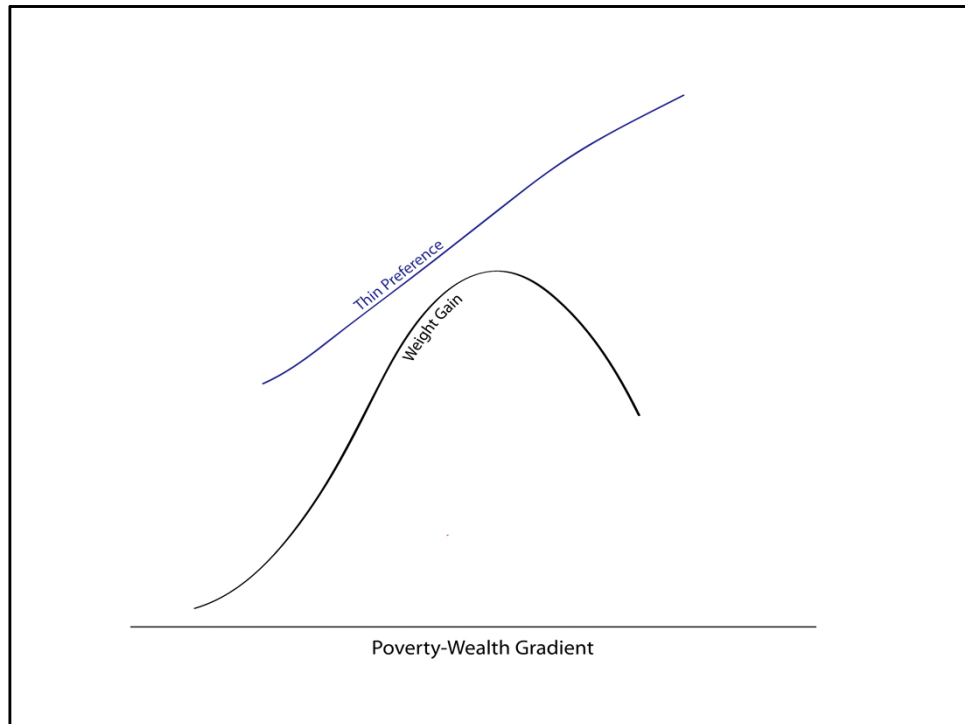


Basic model – wealth and weight



Bodies are getting fatter, globally
Big bodies are becoming normative
Weight has u-shaped relationship with wealth

Q: How does this relate to shifting body norms?



Weight stigma

Lazy

Dirty

Unsexy

Weak-willed

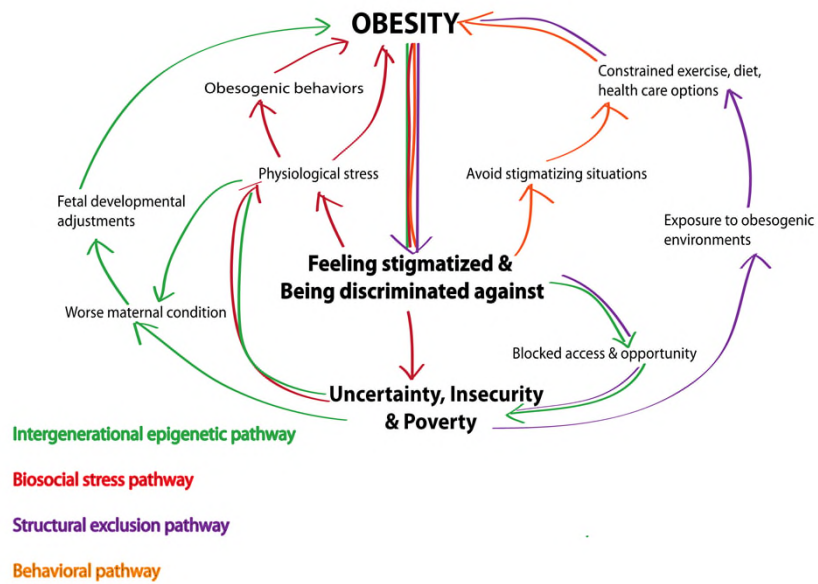
Inept

Irresponsible

Impulsive

- Focuses on the role of the individual blame in obesity
- Pervasive, moralizing, powerful
- Tied to body as an identity anchor
- Predicts discrimination

How can Obesity Stigma Reproduce Obesity?
Through at least four possible pathways



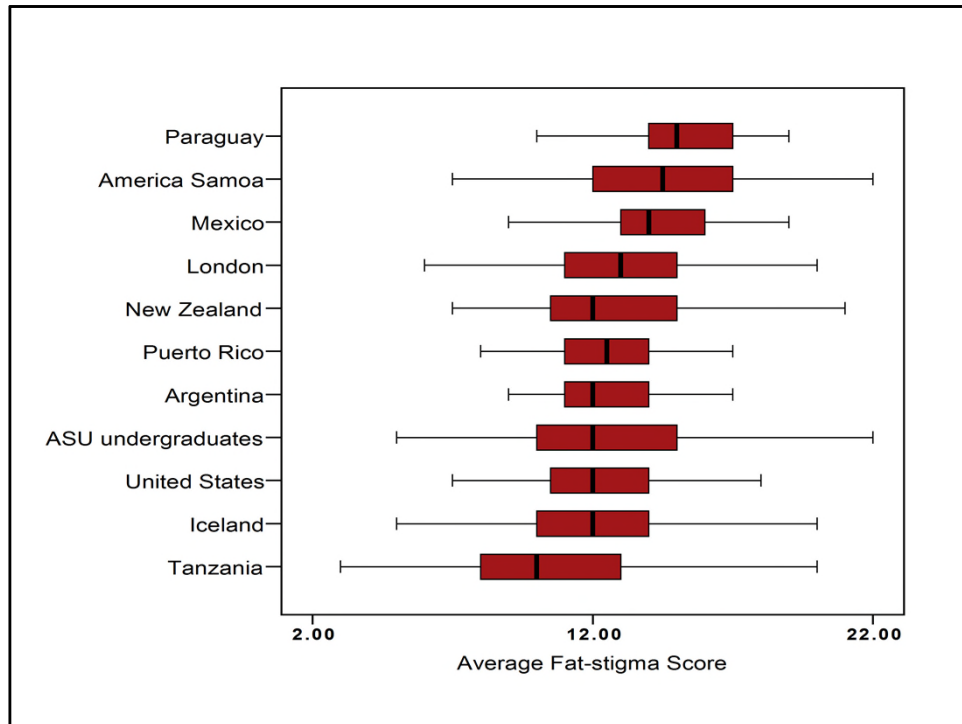
Study 1: Global Survey 2009-10

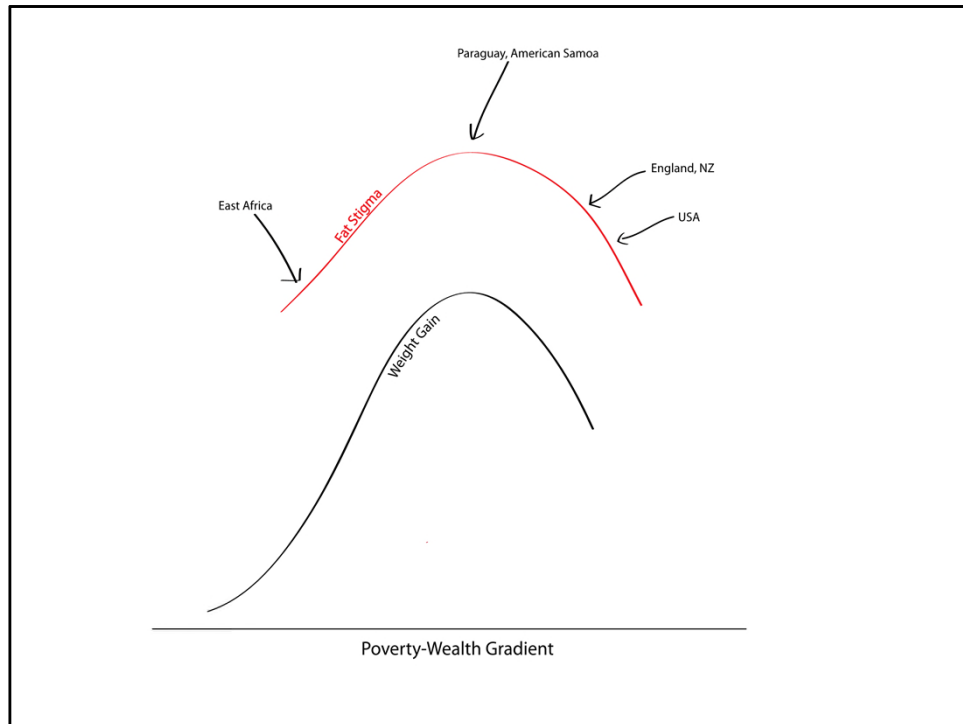
with Amber Wutich

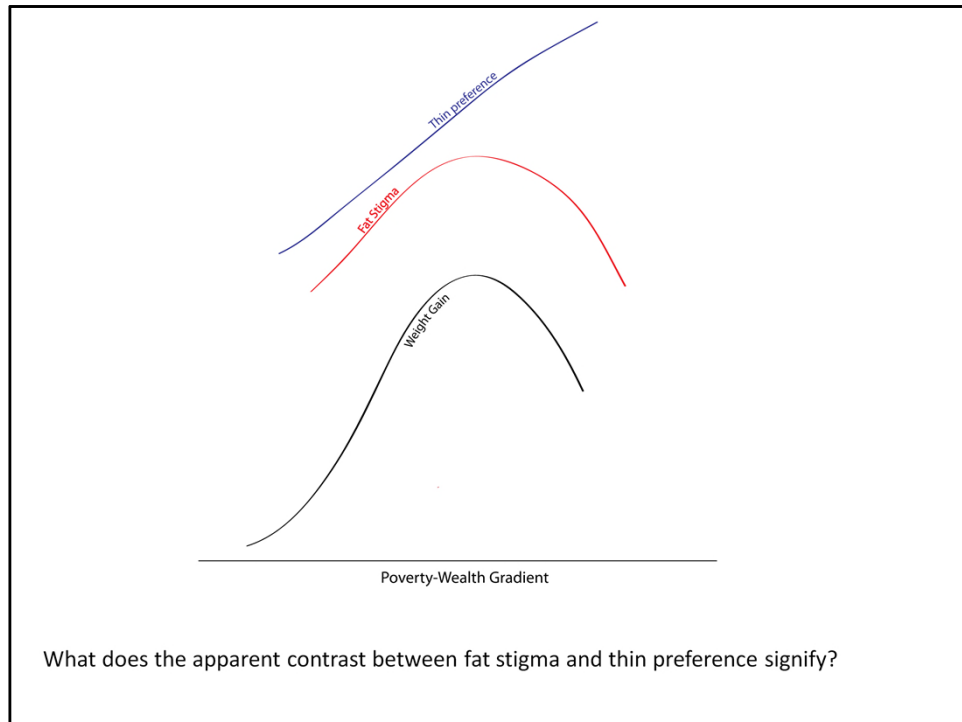
- 11 countries
- Convenience sample
- Cultural survey tool
 - Developed ethnographically
 - Used consensus analysis to test for shared understandings across places
 - Interview-based study



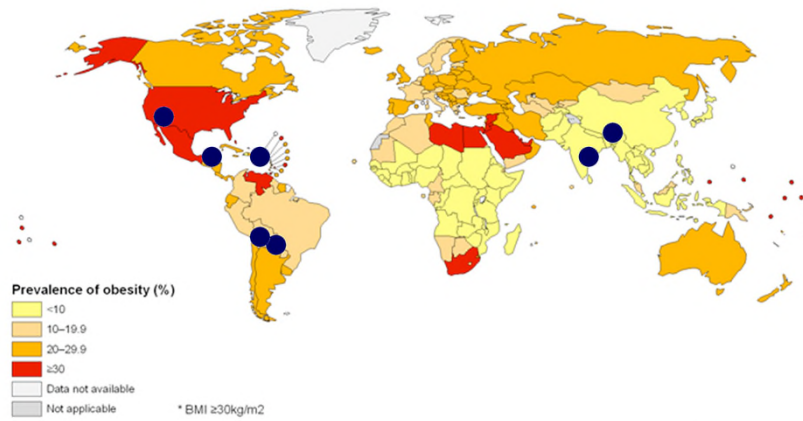








Study 2 and 3: Implicit vs Explicit Stigma



Key Biocultural Body Variables

- BMI
- Explicit Stigma: *Attitudes to Obese People Scale*
- Implicit Stigma: *Implicit Attitude Test*

Demographics – age, gender, ethnicity

SES– parents education, how paying for college, perceived wealth standing.

Mobility Aspirations – created 2 variables via PCA related to extrinsic factors vs intrinsic, and how likely students thought they would be to reach goals

Perceived treatment related to looks

Perceived discrimination specifically related to weight

Exercise and dietary behaviors and practices, perceived health

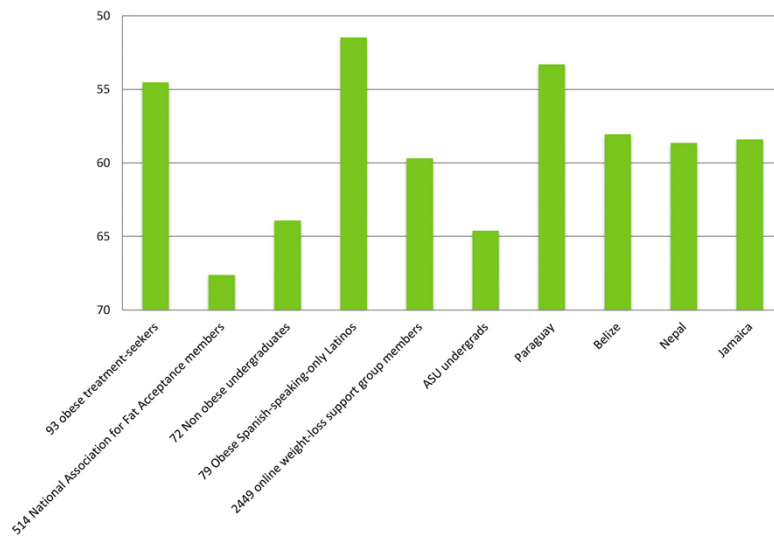
Pencil and Paper

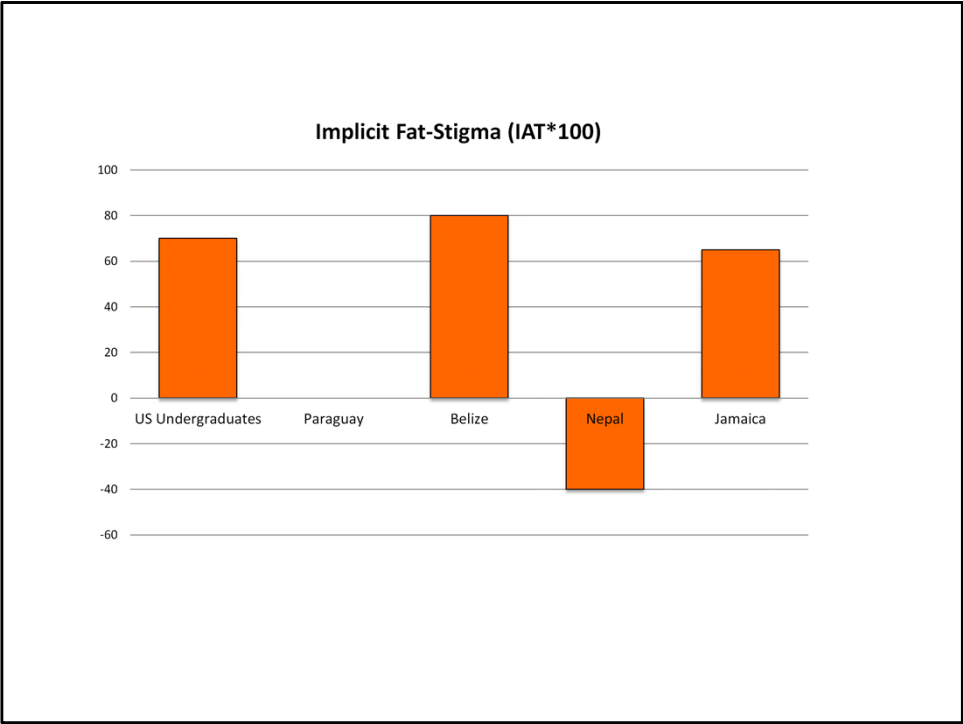
Table 1: Example of the IAT format using categorization of fat versus thin and good versus bad (this one: fat people good; thin people bad), with correct respondent checks.

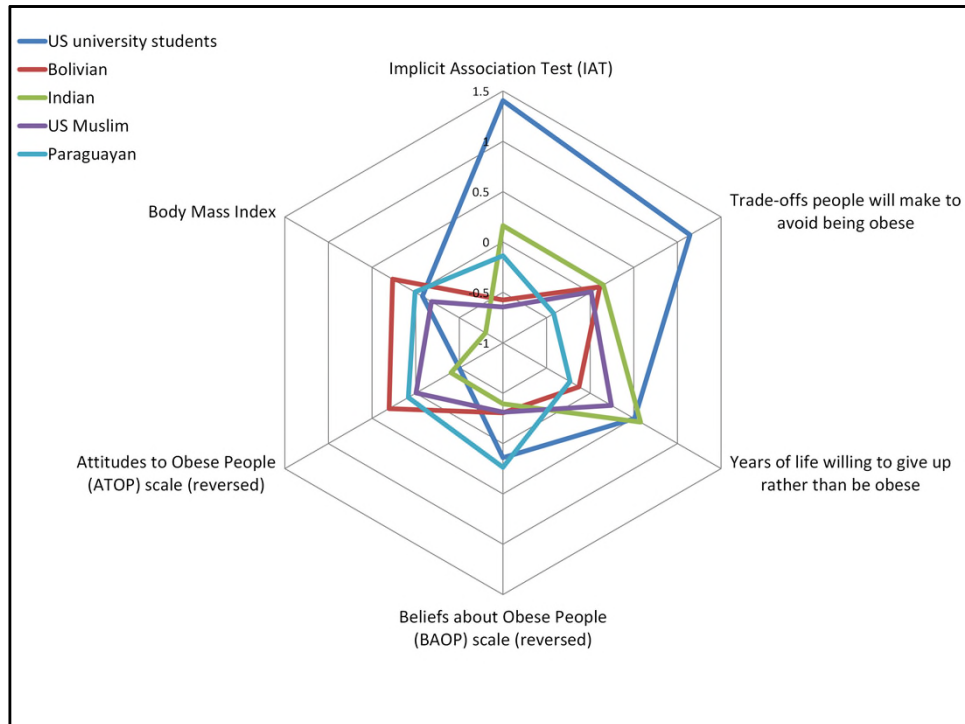
Fat People		Thin People
Good		Bad
✓	obese	
	horrible	✓
	slim	✓
✓	excellent	
✓	large	
	nasty	✓
✓	fat	
✓	joyful	
	thin	✓
✓	wonderful	
	skinny	✓
	terrible	✓

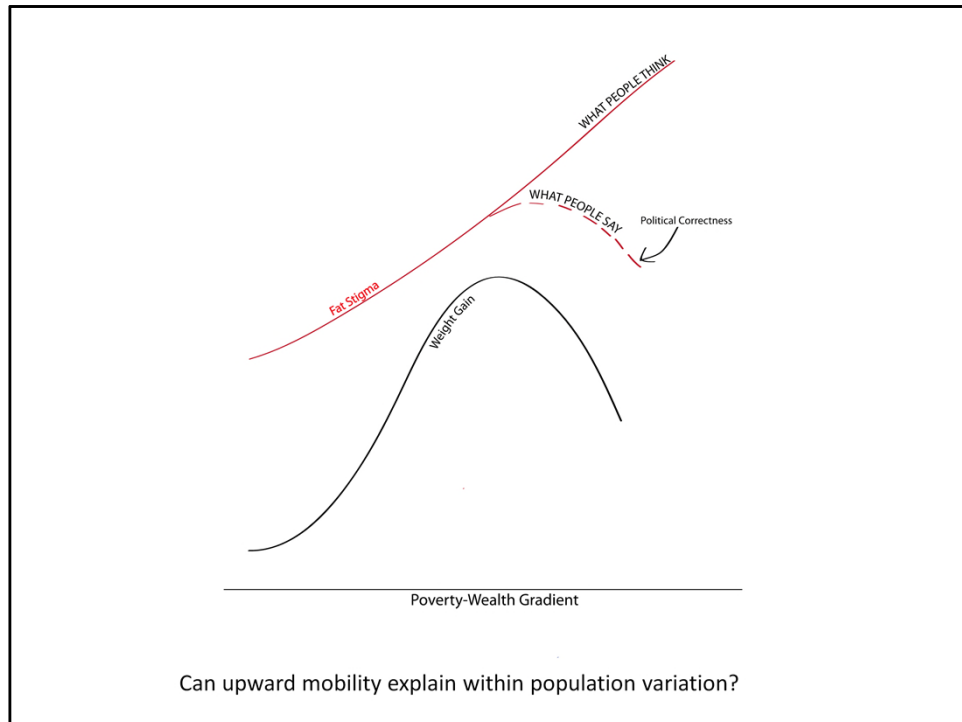


“Attitude to Obese People” scores







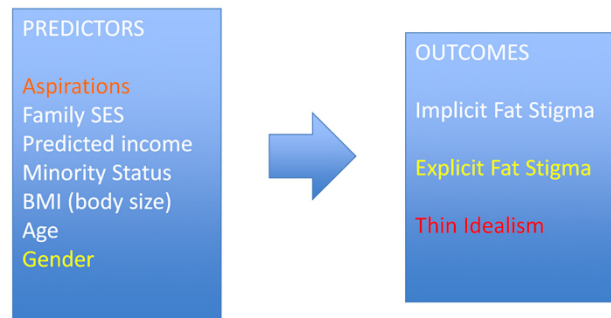


Campus at ASU



Recruited 114 female and 110 male students for surveys
Used randomized spatial sampling on campus
Demographics match ASU: 28.7% minority, 36.6% are 1st generation
Largest public university in US, SES demographics match state.
Also did focus groups and purposive sampling with free listing

Model 1: Role of upward mobility in shaping fat-stigma



No correlation between implicit and explicit measures of fat-stigma – per Krieger for racism ($r=0.47$, NS)

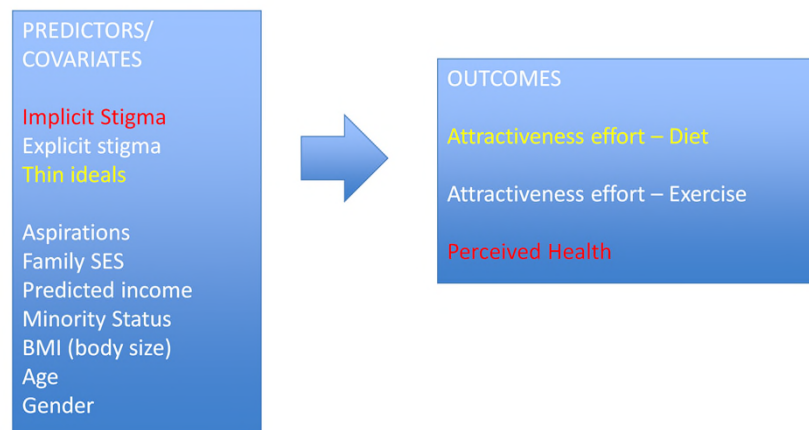
Explicit (ATOP) is predicted by Gender (-ve – goes up with maleness), 1st factor aspirations only (-ve)

None of the usual suspects explain levels of implicit fat stigma (IAT), only gender and 1st factor aspirations explain variation in ATOP

Thin idealism (lower stunkard) is predicted by lower BMI, lower fame aspirations, once you take into account family background, etc

The results for thin idealism are exactly what we assumed theoretically from thin idealism literature – they do not seem to also work for fat aversion.

Model 2: Effects of Stigma on Health Variables



Looking at health relevant behaviors

Effort spent on controlling eating behaviors is predicted by Stunkard ideals but not anti-fat ideals

None of the ideals/beliefs variables predict exercise behavior

Looking at perceived health..

Anti-fat beliefs (IAT, years traded) predicts significantly better reported health (Multiple regression, $p < 0.05$). ATOP does not

Pro-thin ideals (Stunkard) do not

Some Answers to our Questions

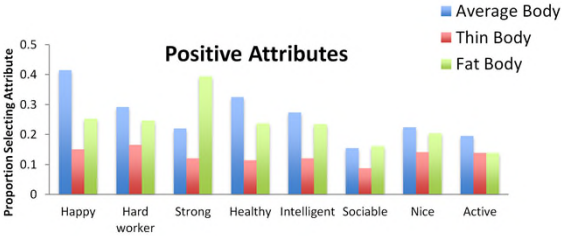
- What shapes variation in fat-stigma?
 - Need better theories
- How is fat-stigma related to own body size?
 - Being fatter and experiencing discrimination does not decrease own stigma
- Is fat-fear linked to variation in behaviors around diet and exercise?
 - To food, perhaps
- How are these linked to upward mobility and aspirations?
 - Not in any instantly obvious way

Study 4: Guatemala study
(with Jonathan Maupin)
223 children aged 8-12 years

How does local ecology (food insecurity)
shape the emergence of fat and thin
preferences?

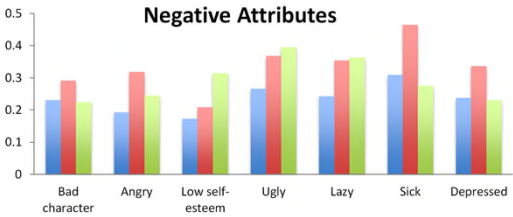


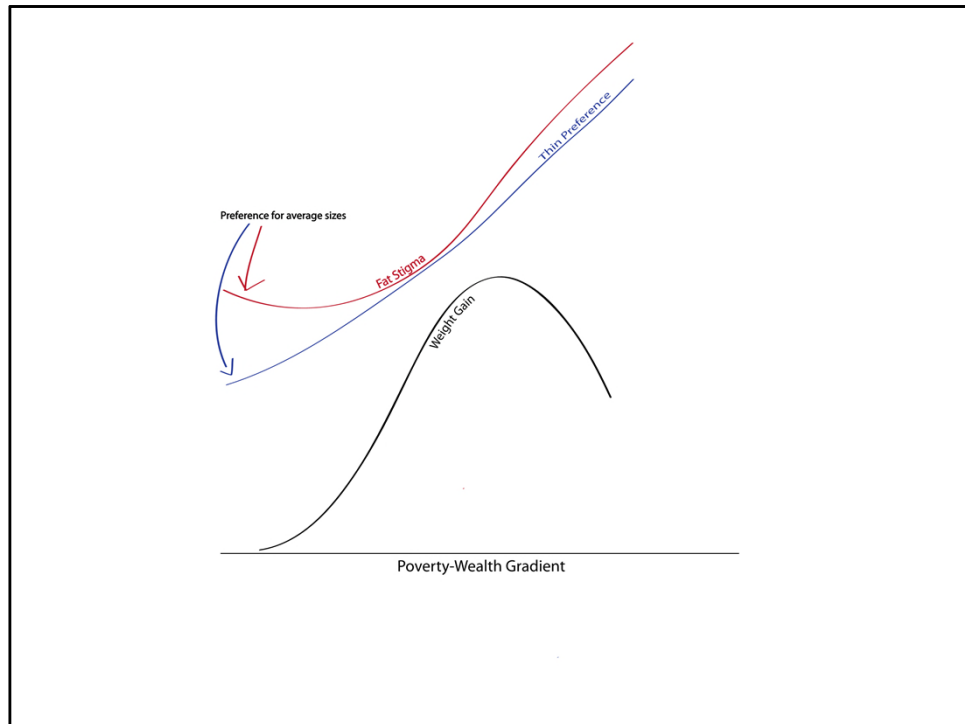
Character Attribution Task



Obese figures: more negative items
Average figures: more positive
Thin figures: most negative

Food insecurity predicted thin-avoiding norms; children prefer average bodies







- Identify, test, and share innovative, scalable obesity solutions that work in the real world.
- Reduce obesity risk, with focus on diverse Arizona communities (including @ ASU).
- How does the intersection of stigma, weight, race, and wealth/poverty play out for individuals in diverse *clinical settings*?



The End

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