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# Background -

THE NEVV SCHOOL

FOR SOCIAL RESEARCH

- Hoarding disorder (HD) is characterized by significant clutter due to an inability to discard possessions.<sup>1</sup>
- The distress associated with discarding items is frequently accompanied by excessive acquisition of new objects.<sup>1</sup>
- HD can lead to a hazardous environment with increased risks for physical injuries<sup>2</sup> and health complications.<sup>3</sup>
- Reports of frequent boredom have been associated with more severe hoarding symptoms in older adults.<sup>4</sup> However, this study relied exclusively on self-report measures and did not include a control group.

### Purpose & Hypotheses

#### Purpose

- Address limitations of previous research on boredom and hoarding.
- Examine two distinct aspects of boredom: boredom-proneness, the propensity to become bored,<sup>5</sup> and the affective experience of boredom (state boredom).<sup>6</sup>
- Examine whether boredom is a cause or consequence of hoarding symptoms.

# Hypotheses

- Study 1
- Individuals with hoarding symptoms (Hoarding Group; HG) would report higher levels of boredom-proneness and recent state boredom than a non-clinical **Control** Group (CG).
- Boredom-proneness and recent/frequent state boredom would correlate positively with the number of items acquired and negatively with the number of items discarded on a validated performance-based measure of hoarding.<sup>7</sup>

#### Study 2

 Participants induced into a state of boredom (Boredom Induction Condition; BIC) would take more and leave fewer items on the behavioral Acquiring Task than participants assigned to a **Control Condition (CC)**.

# McWelling Todman, PhD

	<u>Stu</u>	<u>dy 1</u>	<u>Study 2</u>			
	<u>HG (n = 56)</u>	<u>CG (n = 61)</u>	<u>BIC (n = 20)</u>	<u>CC (n = 28</u> )		
Variable	N(%)	N(%)	N(%)	N(%)		
Age	M = 33.7	<i>M</i> = 43.7	<i>M</i> = 37.3	<i>M</i> = 37.1		
	<i>SD</i> = 8.4	<i>SD</i> = 11.3	<i>SD</i> = 12.5	<i>SD</i> = 8.3		
Gender						
Female	29(51.8)	33(54.1)	4(20)	11(39)		
Male	27(48.2)	28(45.9)	16(80)	17(61)		
Race						
White	35(62.5)	49(80.3)	14(70	23(82)		
Latinx/Hispanic	6(10.7)	1(1.6)	2(10)	-		
Asian	2(3.6)	4(6.6)	2(10)	1(4)		
Black	7(12.5)	5(8.2)	1(5)	1(4)		
Native American	4(7.1)	-	1(5)	3(11)		
Bi-Racial	2(3.6)	2(3.3)	-	-		
<ul> <li>HG recruite</li> <li>CG recruite</li> <li>Study 2:</li> <li>All groups</li> </ul>	ed from onl ed from Am recruited f	ine HD Su azon's M <sup>-</sup> rom M Tur	pport grou Turk k	p		
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State Boredom Boredom Proneness

Individuals with hoarding symptoms reported more boredomproneness and recent boredom. (*Table 2; Figures 1 & 2*).

Participants who were higher in boredom-proneness and reported more recent boredom acquired more and discarded fewer items on the performance-based tasks (Tables 3 & 4).

< .001).

Table 3. /	4

1. State Bor 2. Boredom 3. Items Tak 4. Items Left 5. Reaction 6. Task Ratir Note. \*\* p <

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# Filling the Void: A Two-Part Study of Acquiring, Discarding, and Boredom

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# Maya Ismach

# Methods

#### **Measures**

- Saving Inventory Revised (SI-R)<sup>8</sup>
- Short Boredom Proneness Scale (SBPS)<sup>9</sup>
- State Boredom Measure (SBM)<sup>10</sup>

#### **Acquiring Task**<sup>7</sup>

- Instructed to imagine they can keep any items for free
- Presented with series of 25 items one at a time
- Must decide whether to take/leave each item

#### **Discarding Task**<sup>7</sup>

- Instructed to imagine they own all items already
- Presented with series of 25 items one at a time

#### **Procedure**

- Study 1: Completed self-report measures then Acquiring & Discarding Tasks
- Study 2: Randomly assigned to BIC or CC
- Completed self-report measures and Acquiring Task



Boredom proneness and recent boredom were positively associated with self-reported Acquiring (r = .78; r = .69), Discarding (r = .70; r = .70), and Clutter (r = .82; r = .69; all p's

cquiring Task Correlations			Table 4. Discarding Task Correlation				
	1	2		1	2		
edom	1		1. State Boredom	1			
Proneness	.76**	1	2. Boredom Proneness	.76**	1		
en	.50**	59**	3. Items Discarded	42**	48		
t	52**	60**	4. Items Kept	.42**	.48*		
Time	.12	.09	5. Reaction Time	.06	.08		
ng	.70**	.67**	6. Task Rating	.66**	.66*		
.001			<i>Note</i> . ** p < .001				

<b>Table 5. Acquiring Task Correlations</b>			Table 6. Self-Reported Symptoms			
	1	2		1	2	
1. State Boredom	1		1. State Boredom	1		
2. Boredom Proneness	.82**	1	2. Boredom Proneness	.82**	1	
3. Items Acquired	.37*	.35*	3. SI-R Acquire	.64**	.62**	
4. Items Left	49**	44*	4. SI-R Discard	.70**	.70**	
5. Reaction Time	.25	.14	5. SI-R Clutter	.75**	.77**	
6. Task Rating	.76**	.73**	6. SI-R Sum	.71**	.71**	
<i>Note</i> $** n < 0.01 \cdot * n < 0.5$			<i>Note</i> ** n < 001 ·* n <	05		

Participants who were higher in boredom-proneness and reported more recent state boredom took more items on the Acquiring Task and reported more severe hoarding symptoms (Tables 5 & 6).

There were no significant differences between Boredom and Control Conditions on boredom ratings or Acquiring Task performance, but all means were in expected directions (Table

Participants endorsing no-to-mild boredom (n = 18) left more items on the Acquiring Task than those endorsing moderateto-high boredom (n = 30; Table 8; Figure 3).

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# Juliana Riccardi

# Natalie Vincent

• Includes the items taken in Acquiring Task + novel items • Must decide whether to keep/discard each item



### **Study 2 Results**

Figure 3. Current Boredom Ratings

**		t	df	p	M <sub>diff</sub>	SE	95%	CI
	Boredom	2.01	46	.050	0.78	0.38	-0.001	1.54
т	Items Taken	1.19	46	.240	2.12	1.78	-1.47	5.71
	Items Left	-0.83	46	.412	-1.51	1.82	-5.17	2.16
	Table 8. Exper	imental T	Task by	Subjectiv	e Boredoi	m Rating	1	
		t	df	р	$M_{diff}$	SE	95	5% CI
Low Boredom High Boredom	Items Taken	-1.46	46	.151	-2.63	1.80	-6.26	0.99
Boredom Level	Items Left	2.14	46	.038	3.81	1.78	0.23	7.39





# Deborah Jarmel

### Discussion

#### Study 1

- Boredom-proneness and recent boredom were associated with more items acquired and fewer items left on the Acquiring Task.
- Recent boredom and boredom-proneness were also associated with more items kept and fewer items discarded on the Discarding Task.
- Individuals with hoarding symptoms endorsed higher boredom-proneness and more frequent boredom than the comparison group.

### Study 2

- The boredom induction did not reliably induce feelings of boredom. The conditions did not differ in Acquiring Task performance.
- However, all means were in the expected directions. Thus, the study may have been insufficiently powered to detect statistical significance.
- Moreover, those reporting higher rates of invivo boredom left fewer items on the Acquiring Task
- Those with higher in-vivo boredom did not take significantly more items on the Acquiring Task.

#### **Conclusion & Future Directions**

- In-vivo boredom may lead to difficulties leaving things behind but may not be as strongly associated with acquiring new objects.
- Conversely, boredom-proneness and frequent/ recent boredom may act as vulnerability factors for both excessive acquisition and difficulties discarding.
- Future studies should examine experimentally induced boredom using a larger sample and a formal measure of Discarding.

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