	mediation results

	Sample size 81

	Model Summary R R-sq F dfl df2 p .3815 .1455 13.4522 1.0000 79.0000 .0004
(Model

1	Model coeff se t p constant 1.1963 .5495 2.1771 .0325 Mate_Val .4546 .1266 3.5921 .0006 want Age0113 .0088 -1.2753 .2060 usualt part want p > .05 but

	Model Summary R R-sq F df1 df2 p .2875 .0827 7.1180 1.0000 79.0000 .0093
<	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

coeff valves are unstd. b.

Total effect of X on Y Effect SE t p 0234 .0088 -2.6680 .0093 Texeated into
0234 .0088 -2.6680 .0093 Direct effect of X on Y Effect SE t p 0113 .0088 -1.2753 .2060
Indirect effect of X on Y Effect Boot SE BootLLCI BootULCI Mate_Val0121 .0056 (02760037) Want CI to NO
Partially standardized indirect effect of X on Y Effect Boot SE BootLLCI BootULCI Mate Val0122 .005202540040 Include Zero To Shim wedican in
Completely standardized indirect effect of X on Y Effect Boot SE BootLLCI BootULCI Mate_Val1489 .063230440480
Ratio of indirect to total effect of X on Y Effect Boot SE BootLLCI BootULCI Mate_Val .5179 .9902 .1568 1.6690
Ratio of indirect to direct effect of X on Y Effect Boot SE BootLLCI BootULCI Mate_Val 1.0744 31.7645 -1.9585 32.7968
R-squared mediation effect size (R-sq_med) Effect Boot SE BootLLCI BootULCI Mate_Val .0662 .0388 .0122 .1759
Preacher and Kelley (2011) Kappa-squared Effect Boot SE BootLLCI BootULCI Mate_Val .1458 .0599 .0464 .2843 Normal theory tests for indirect effect The common of the c
Normal theory tests for indirect effect Effect se Z p 0121 .0048 -2.5190 .0118
Sobel test want pc.05

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Results

Treatment condition for housing (either treated or control group) was used to predict days in housing, with housing contacts expected to mediate the relationship between treatment condition and days in housing. Data were screened for multivariate outliers, leverage and influence and two cases were removed as outliers and influential data points. All other assumptions of regression were checked and appeared satisfactory.

See Figure 1 for visual diagram of the mediated relationship. First, using steps described rand Hayes(2013) PWCESS Plugin for SPSS by Baron and Kenny (1986), treatment was a significant predictor of days in housing (the c pathway), as shown in Table 1. The treatment condition showed a higher number of days in housing than the control condition, t(105) = 2.72, p = .01, $pr^2 = .07$. Second, treatment condition was used to predict the mediator variable of housing contacts (the a pathway), which showed that treatment condition was positively related to housing contacts, t(105) = 2.98, p = .01, $pr^2 = .08$. Third, the relationship between the mediator housing contacts and days in housing was examined controlling for the treatment condition (the b pathway). Number of housing contacts was positively related to the number of days in housing, t(104) = 4.96, p < .001, $pr^2 = .19$. Lastly, the mediated relationship between treatment condition and days in housing was examined for a drop in prediction when the mediator was added to the model (the c' pathway). Full mediation was found, showing that the relationship between treatment condition and days in housing was no longer significant after controlling for housing contacts, t(104) = 1.50, p = .14, $pr^2 = .02$. The Sobel test was used to determine that the ab effect was significantly greater than zero, Z = 2.55, p = .01.

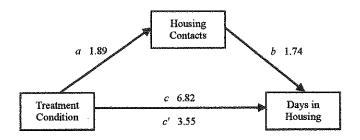


Figure 1. Mediated relationship between treatment condition and days in housing with housing contacts as the mediator.

Table 1

Model Summaries for Mediation Analysis.

Model	\overline{F}	р	R^2
Treatment Condition predicting Days in Housing	(1, 105) = 7.38	<.01	.07
Treatment Condition predicting Housing Contacts	(1, 105) = 8.87	<.01	.08
Treatment Condition and Housing Contacts	(1, 104) = 16.82	<.001	.24
predicting Days in Housing			

moderation output

Model = 1Y = AggressiX = Vid Game M = CaUnTsSample size 442 Outcome: Aggressi Model Summary F dfl df2 p R R-sq 3773 90.5311 3.0000 438.0000 .00006142 Model p LLCI ULCI coeff se constant 39.9671 .4750 84.1365 .0000 39.0335 40.9007 .0466 16.3042 .0000 .6685 .7601 main CaUnTs effects Vid Game 2.2343 __0260 .0204.3188 .1696 .0759 .0002 .0127 interact int 1 .0271 .0073 3.7051 want pc. 05 Interactions: int 1 Vid Game X CaUnTs Conditional effect of X on Y at values of the moderator(s): p LLCI **ULCI** CaUnTs Effect se Low Callows -9.6177 .1058 -.0907 -.8568 .3920 -.2986 .1173 .0204 .1696 .0759 2.2343 .0260 .3188 .0000.1010 4.2562 .0000 .2314 9.6177 4299 Values for quantitative moderators are the mean and plus/minus one SD from mean. Values for dichotomous moderators are the two values of the moderator. Moderator value(s) defining Johnson-Neyman significance region(s): Value % below % above

-17.1002 1.3575 98.6425 -.7232 48.8688 51.1312

Conditional	effect	of X	on	Y	at	values	of	the	moderator	(M))
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-	OLIGICACIANI	ATTACK OT	CA CALL A CO	A LIMITAGE OF	die mou	Proposition (TAT)	7
	CaUnTs	Effect	se	t	p LL	CI UI	.CI
	-18.5950	3336	.1587	-2.1027	.0361	6454	0218 ja foc / aw
	-17.1002	2931	.1492	-1.9654	.0500	5863	.0000 SIG FOR LOW
	-16.4450	2754	.1451	-1.8987	.0583	5605	.0097
	-14.2950	2172	.1319	-1.6467	.1003	4765	.0420
	-12.1450	1590	.1194	-1.3319	.1836	3937	.0756
	-9.9950	1009	.1077	9361	.3497	3126	.1109 not sig.
	-7.8450	0427	.0972	4390	.6609	2338	.1484
	-5.6950	.0155	.0882	.1757	.8606	1579	.1889
	-3.5450	.0737	.0813	.9059	.3655	0862	.2336
	-1.3950	.1319	.0771	1.7111	.0878	0196	.2833
	7232	.1501	.0763	1.9654	.0500	.0000	.3001
	.7550	.1901	.0759	2.5053	.0126	.0410	.3392
	2.9050	.2482	.0779	3.1878	.0015	.0952	.4013 Sig for Love+ .4693 5422 High valves
	5.0550	.3064	.0829	3.6980	.0002	.1436	.4693
	7.2050	.3646	.0903	4.0360	.0001	.1871	.5422
	9.3550	.4228	.0997	4.2386	.0000	.2267	.6188
	11.5050	.4810	.1106	4.3490	.0000	.2636	.6983
	13.6550	.5392	.1225	4.4013	.0000	.2984	.7799
	15.8050	.5973	.1352	4.4188	.0000	.3317	.8630
	17.9550	.6555	.1484	4.4160	.0000	.3638	.9473
	20.1050	.7137	.1621	4.4017	.0000	.3950	1.0324
	22.2550	.7719	.1762	4.3814	.0000	.4256	1.1181
	24.4050	.8301	.1905	4.3580	.0000	.4557	1.2044

Data for visualizing conditional effect of X of Y:

Vid_Gan	ne CaU	nTs yha
L-6.9622	-9.6177	33.2879
A .0000	-9.6177	32.6568
H 6.9622	-9.6177	32.0256
-6.9622	A .0000	38.7861
.0000	.0000	39.9671
6.9622	.0000	41.1481
-6.9622	4 9.6177	44.2844
.0000	9.6177	47.2774
6.9622	9.6177	50.2705

vse trust data to graph

Results

Attendance and number of books read during a semester were used to predict final class grade. Data were checked for outliers and assumptions of regression, and no violations were found. The PROCESS plug-in for SPSS was used to analyze the interaction between attendance and books read in a semester (Hayes, 2013). The main effects of attendance and books were significant predictors of grades, F(3,37)=9.06, p=.001, $R^2=.33$. As a person attended more classes, their course grade increased significantly, $\beta=.33$, t(37)=2.20, p=.04, $pr^2=.11$. Students could also increase their course grades by reading more books throughout the semester, $\beta=.35$, t(37)=2.30, p=.03, $pr^2=.12$. Course grades were also predicted by the interaction between books read and attendance in the course. Figure 1 shows the interaction between our predictors. For average attendance, there was a significant increase in grades when reading more books, $\beta=.36$, t(36)=2.48, p=.02, $pr^2=.15$. For low attendance, there was a non-significant difference in scores when reading more books, $\beta=.80$, t(36)=-1.42, p=.16, $pr^2=.05$. Finally, high attending participants showed the largest increase when reading more books, $\beta=1.51$, t(36)=2.64, p=.01, $pr^2=.16$.

[include SPSS figure]