

Replicating Christensen & Timmins (2022)

Emphasis on Table 5 (Column 2), p. 2135, as part of the Institute for Replication *AI Games*

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Table 1: Steering and Neighborhood Effects

	<i>Dependent variable:</i>			
	show		home_av	
Racial Minority	-0.1282 (0.1990) $p = 0.5196$	-0.1419 (0.1987) $p = 0.4753$	0.0048 (0.0183) $p = 0.7934$	0.0057 (0.0183) $p = 0.7542$
ln(Price) Advert Home	N	Y	N	Y
Racial Comp Advert Home	N	Y	N	Y
Observations	6,580	6,555	6,588	6,562
Adjusted R ²	-0.2196	-0.2348	-0.1670	-0.1774
<i>Note:</i>			*p<0.1; **p<0.05; ***p<0.01	

Table 2: Steering and Neighborhood Effects

	<i>Dependent variable:</i>			
	Number of Recommendations	Home Availability		
African American	-0.1608 (0.2713) $p = 0.5536$	-0.1690 (0.2707) $p = 0.5326$	-0.0097 (0.0220) $p = 0.6584$	-0.0087 (0.0219) $p = 0.6900$
Hispanic	-0.1340 (0.2465) $p = 0.5869$	-0.1304 (0.2474) $p = 0.5983$	-0.0090 (0.0255) $p = 0.7257$	-0.0077 (0.0258) $p = 0.7655$
Asian	0.1231 (0.2477) $p = 0.6192$	0.0833 (0.2465) $p = 0.7354$	0.0174 (0.0227) $p = 0.4434$	0.0178 (0.0227) $p = 0.4323$
Other	1.7401** (0.8557) $p = 0.0422$	1.6822** (0.8525) $p = 0.0487$	-0.0893 (0.0632) $p = 0.1582$	-0.0921 (0.0633) $p = 0.1459$
ln(Price) Advert Home	N	Y	N	Y
Racial Comp Advert Home	N	Y	N	Y
Observations	6,580	6,555	6,588	6,562
Adjusted R ²	-0.2192	-0.2348	-0.1687	-0.1792
<i>Note:</i>			*p<0.1; **p<0.05; ***p<0.01	

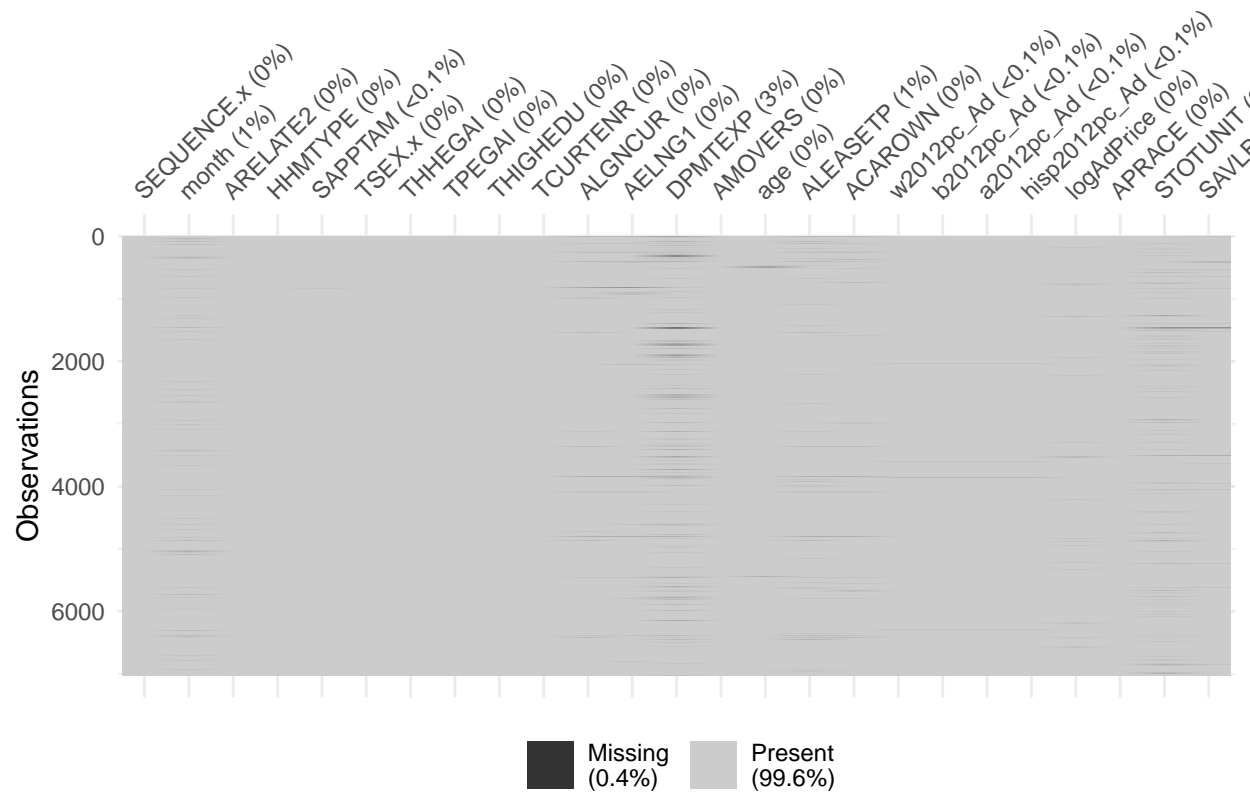
We note that in *Table 5*, the authors merge tables from two different models (here denoted as Table 1 and

Table 2), but only report the R2 for the second table (see next page for Table 2). Though it would have been transparent to report both, these differences do not alter the direction of the results.

Reference: Christensen, P., & Timmins, C. (2022). Sorting or steering: The effects of housing discrimination on neighborhood choice. *Journal of Political Economy*, 130(8), 2110-2163. <https://doi.org/10.1086/720140>

Robustness Check 1: Imputing Missing Data

Let's have a look at the missing data patterns.



There is not a ton of missing data, but still, after having imputed the data using *missForest* (Waljee et al., 2013), we can have a look at the updated estimates:

Table 3: Steering and Neighborhood Effects

	<i>Dependent variable:</i>			
	show		home_av	
Racial Minority	-0.2114 (0.1985) $p = 0.2870$	-0.2092 (0.1980) $p = 0.2908$	-0.0004 (0.0179) $p = 0.9810$	-0.0005 (0.0179) $p = 0.9799$
ln(Price) Advert Home	<i>N</i>	<i>Y</i>	<i>N</i>	<i>Y</i>
Racial Comp Advert Home	<i>N</i>	<i>Y</i>	<i>N</i>	<i>Y</i>
Observations	7,025	7,025	6,953	6,953
Adjusted R ²	-0.1619	-0.1626	-0.1466	-0.1500

Note:

*p<0.1; **p<0.05; ***p<0.01

Table 4: Steering and Neighborhood Effects

	<i>Dependent variable:</i>			
	Number of Recommendations	Home Availability		
African American	-0.2009 (0.2576) $p = 0.4356$	-0.1972 (0.2565) $p = 0.4422$	-0.0105 (0.0221) $p = 0.6334$	-0.0106 (0.0221) $p = 0.6310$
Hispanic	-0.2361 (0.2620) $p = 0.3678$	-0.2186 (0.2632) $p = 0.4065$	-0.0126 (0.0244) $p = 0.6060$	-0.0121 (0.0246) $p = 0.6238$
Asian	-0.0287 (0.2439) $p = 0.9063$	-0.0440 (0.2433) $p = 0.8566$	0.0074 (0.0218) $p = 0.7346$	0.0067 (0.0217) $p = 0.7575$
Other	1.5771* (0.8495) $p = 0.0636$	1.5300* (0.8468) $p = 0.0710$	-0.0917 (0.0620) $p = 0.1392$	-0.0940 (0.0621) $p = 0.1305$
ln(Price) Advert Home	<i>N</i>	<i>Y</i>	<i>N</i>	<i>Y</i>
Racial Comp Advert Home	<i>N</i>	<i>Y</i>	<i>N</i>	<i>Y</i>
Observations	7,025	7,025	6,953	6,953
Adjusted R ²	-0.1621	-0.1630	-0.1483	-0.1518

Note:

*p<0.1; **p<0.05; ***p<0.01