

# Demand for “Safe Spaces”: Avoiding Harassment and Stigma

## Robustness checks online appendix

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April 27, 2020

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# 1 Revealed preferences, overall and by ride condition

## 1.1 Main sample: riders who started revealed preference rides

Table 1: Alternative specification: no controls, line fixed effects

	Dependent variable: Chose reserved space	
	(1)	(2)
<i>Panel A: Overall</i>		
Positive opportunity cost	-0.157*** (0.012)	-0.157*** (0.012)
Constant	0.243*** (0.014)	0.243*** (0.013)
<i>Mean dependent variable</i>		
Zero opportunity cost		0.243 (0.014)
<i>Panel B: Heterogeneous effects by male presence in reserved space</i>		
Many men in reserved space $\times$ zero opportunity cost	0.191*** (0.015)	0.146*** (0.019)
Many men in reserved space $\times$ positive opportunity cost	0.065*** (0.009)	0.023 (0.015)
Few men in reserved space $\times$ zero opportunity cost	0.294*** (0.019)	0.274*** (0.020)
Few men in reserved space $\times$ positive opportunity cost	0.107*** (0.012)	0.088*** (0.014)
<i>Mean dependent variable</i>		
Zero opportunity cost $\times$ Few men in reserved space		0.294 (0.019)
Zero opportunity cost $\times$ Many men in reserved space		0.191 (0.015)
Observations	16887	16887
Riders	363	363
Line fixed effect	No	Yes
<i>Post-estimate tests for heterogeneous effects</i>		
By opportunity cost: zero opportunity cost - positive opportunity cost		
$\Delta\hat{\beta}$ when few men in reserved space	0.188	0.187
P-value	0.000	0.000
$\Delta\hat{\beta}$ when many men in reserved space	0.126	0.123
P-value	0.000	0.000
By male presence in reserved space: few men - many men in reserved space		
$\Delta\hat{\beta}$ when zero opportunity cost	0.104	0.128
P-value	0.000	0.000
$\Delta\hat{\beta}$ when positive opportunity cost	0.042	0.064
P-value	0.001	0.000

Notes: Standard errors in parentheses, clustered at participant level. \*\*\* p < .01; \*\* p < .05; \* p < .1.

## 1.2 Sample: riders who completed exit survey

Table 2: Main specification: riders fixed effect

	Dependent variable: Chose reserved space	
	(1)	(2)
<i>Panel A: Overall</i>		
Positive opportunity cost	-0.191*** (0.013)	-0.191*** (0.013)
High crowding		-0.005 (0.015)
Few men in reserved space		0.047*** (0.011)
Constant	0.278*** (0.008)	0.254*** (0.009)
<i>Mean dependent variable</i>		
Zero opportunity cost		0.279 (0.016)
<i>Panel B: Heterogeneous effects by male presence in reserved space</i>		
Many men in reserved space $\times$ zero opportunity cost	0.140*** (0.011)	0.141*** (0.011)
Many men in reserved space $\times$ positive opportunity cost	-0.023*** (0.005)	-0.023*** (0.005)
Few men in reserved space $\times$ zero opportunity cost	0.217*** (0.015)	0.217*** (0.015)
Few men in reserved space $\times$ positive opportunity cost	0.002 (0.010)	0.002 (0.010)
High crowding		-0.004 (0.015)
<i>Mean dependent variable</i>		
Zero opportunity cost $\times$ Few men in reserved space		0.312 (0.021)
Zero opportunity cost $\times$ Many men in reserved space		0.242 (0.017)
Observations	13622	13622
Riders	229	229
Rider fixed effect	Yes	Yes
<i>Post-estimate tests for heterogeneous effects</i>		
By opportunity cost: zero opportunity cost - positive opportunity cost		
$\Delta\hat{\beta}$ when few men in reserved space	0.215	0.215
P-value	0.000	0.000
$\Delta\hat{\beta}$ when many men in reserved space	0.163	0.163
P-value	0.000	0.000
By male presence in reserved space: few men - many men in reserved space		
$\Delta\hat{\beta}$ when zero opportunity cost	0.077	0.076
P-value	0.000	0.000
$\Delta\hat{\beta}$ when positive opportunity cost	0.025	0.024
P-value	0.040	0.045

Notes: Standard errors in parentheses, clustered at participant level. All specifications include rider fixed effects. \*\*\* p < .01; \*\* p < .05; \* p < .1.

Table 3: Alternative specification: no controls, line fixed effects

	Dependent variable: Chose reserved space	
	(1)	(2)
<i>Panel A: Overall</i>		
Positive opportunity cost	-0.193*** (0.014)	-0.193*** (0.014)
Constant	0.279*** (0.016)	0.279*** (0.016)
<i>Mean dependent variable</i>		
Zero opportunity cost		0.279 (0.016)
<i>Panel B: Heterogeneous effects by male presence in reserved space</i>		
Many men in reserved space $\times$ zero opportunity cost	0.242*** (0.017)	0.197*** (0.022)
Many men in reserved space $\times$ positive opportunity cost	0.074*** (0.011)	0.030* (0.017)
Few men in reserved space $\times$ zero opportunity cost	0.312*** (0.021)	0.289*** (0.022)
Few men in reserved space $\times$ positive opportunity cost	0.096*** (0.013)	0.075*** (0.014)
<i>Mean dependent variable</i>		
Zero opportunity cost $\times$ Few men in reserved space		0.312 (0.021)
Zero opportunity cost $\times$ Many men in reserved space		0.242 (0.017)
Observations	13622	13622
Riders	229	229
Line fixed effect	No	Yes
<i>Post-estimate tests for heterogeneous effects</i>		
By opportunity cost: zero opportunity cost - positive opportunity cost		
$\Delta\hat{\beta}$ when few men in reserved space	0.216	0.214
P-value	0.000	0.000
$\Delta\hat{\beta}$ when many men in reserved space	0.168	0.167
P-value	0.000	0.000
By male presence in reserved space: few men - many men in reserved space		
$\Delta\hat{\beta}$ when zero opportunity cost	0.070	0.093
P-value	0.001	0.000
$\Delta\hat{\beta}$ when positive opportunity cost	0.022	0.045
P-value	0.110	0.004
<i>Notes:</i> Standard errors in parentheses, clustered at participant level. *** p < .01; ** p < .05; * p < .1.		

## 2 Impact of randomized assignment of space on reported harassment, overall and by ride condition

### 2.1 Main sample: riders who started randomized car assignment rides

Table 4: Alternative specification: no controls, line fixed effects

	Dependent variable:							
	Any harassment		Physical harassment		Verbal harassment		Staring	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Panel A: Overall impact of randomized assignment								
Assigned to reserved space	-0.038** (0.019)	-0.035* (0.018)	-0.001 (0.007)	-0.000 (0.007)	-0.024* (0.012)	-0.023* (0.012)	-0.017 (0.018)	-0.014 (0.017)
Constant	0.176*** (0.018)	0.174*** (0.017)	0.026*** (0.005)	0.026*** (0.005)	0.067*** (0.012)	0.066*** (0.012)	0.130*** (0.015)	0.128*** (0.015)
Mean dependent variable								
Assigned to public space	0.176 (0.013)		0.026 (0.004)		0.067 (0.009)		0.13 (0.013)	
Panel B: Impact of randomized assignment by presence of men in reserved space								
Few men in reserved space × assigned to reserved space	0.103*** (0.016)	0.080*** (0.019)	0.012*** (0.004)	0.008 (0.005)	0.031*** (0.010)	0.025* (0.013)	0.078*** (0.013)	0.049*** (0.014)
Few men in reserved space × assigned to public space	0.145*** (0.023)	0.119*** (0.028)	0.028*** (0.007)	0.024*** (0.007)	0.057*** (0.014)	0.051*** (0.018)	0.099*** (0.020)	0.067*** (0.023)
Many men in reserved space × assigned to reserved space	0.173*** (0.023)	0.121*** (0.025)	0.040*** (0.014)	0.034*** (0.012)	0.055*** (0.015)	0.039** (0.016)	0.148*** (0.022)	0.088*** (0.022)
Many men in reserved space × assigned to public space	0.206*** (0.023)	0.153*** (0.025)	0.025*** (0.006)	0.018** (0.007)	0.077*** (0.019)	0.059*** (0.016)	0.160*** (0.021)	0.099*** (0.021)
Mean dependent variable								
Assigned to public space × Few men in reserved space	0.145 (0.023)		0.028 (0.007)		0.057 (0.014)		0.099 (0.02)	
Assigned to public space × Many men in reserved space	0.206 (0.023)		0.025 (0.006)		0.077 (0.019)		0.16 (0.021)	
Observations	3688	3688	3688	3688	3688	3688	3688	3688
Riders	258	258	258	258	258	258	258	258
Line fixed effect	No	Yes	No	Yes	No	Yes	No	Yes
Post-estimate tests for heterogeneous effects								
Impact on harassment when few men in reserved space: reserved space - public space								
$\Delta\hat{\beta}$	-0.042	-0.040	-0.016	-0.016	-0.026	-0.026	-0.021	-0.018
P-value	0.052	0.073	0.010	0.013	0.013	0.015	0.332	0.420
Impact on harassment when many men in reserved space: reserved space - public space								
$\Delta\hat{\beta}$	-0.034	-0.031	0.015	0.015	-0.022	-0.021	-0.012	-0.010
P-value	0.235	0.247	0.171	0.182	0.304	0.323	0.641	0.678

Notes: Standard errors in parentheses, clustered at participant level. \*\*\* p < .01; \*\* p < .05; \* p < .1.

## 2.2 Sample: riders who completed exit survey

Table 5: Main specification: riders fixed effect

	Any harassment		Physical harassment		Verbal harassment		Staring	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>Panel A: Overall impact of randomized assignment</i>								
Assigned to reserved space	-0.031** (0.012)	-0.031** (0.012)	-0.015*** (0.005)	-0.016*** (0.005)	-0.011 (0.007)	-0.011 (0.007)	-0.013 (0.011)	-0.012 (0.011)
High crowding		-0.010 (0.027)		-0.015 (0.013)		0.001 (0.011)		-0.010 (0.026)
Few men in reserved space		-0.002 (0.018)		0.005 (0.009)		0.005 (0.007)		-0.014 (0.015)
Constant	0.166*** (0.006)	0.168*** (0.013)	0.034*** (0.002)	0.032*** (0.005)	0.058*** (0.004)	0.056*** (0.005)	0.120*** (0.006)	0.128*** (0.011)
<i>Mean dependent variable</i>								
Assigned to public space		0.164 (0.01)		0.029 (0.004)		0.061 (0.006)		0.116 (0.008)
<i>Panel B: Impact of randomized assignment by presence of men in reserved space</i>								
Few men in reserved space × assigned to reserved space	-0.015 (0.014)	-0.015 (0.014)	-0.006 (0.005)	-0.006 (0.005)	-0.005 (0.006)	-0.005 (0.006)	-0.016 (0.013)	-0.016 (0.013)
Few men in reserved space × assigned to public space	0.019 (0.014)	0.019 (0.014)	0.017** (0.008)	0.017** (0.008)	0.012* (0.007)	0.012* (0.007)	0.002 (0.012)	0.002 (0.013)
Many men in reserved space × assigned to reserved space	-0.011 (0.009)	-0.010 (0.010)	-0.005 (0.005)	-0.003 (0.005)	-0.004 (0.006)	-0.004 (0.006)	0.002 (0.008)	0.004 (0.009)
Many men in reserved space × assigned to public space	0.017 (0.012)	0.018 (0.013)	0.002 (0.005)	0.004 (0.005)	0.002 (0.007)	0.002 (0.007)	0.009 (0.010)	0.010 (0.011)
High crowding		-0.010 (0.028)		-0.016 (0.013)		0.001 (0.012)		-0.011 (0.027)
<i>Mean dependent variable</i>								
Assigned to public space × Few men in reserved space		0.146 (0.02)		0.032 (0.007)		0.064 (0.016)		0.094 (0.015)
Assigned to public space × Many men in reserved space		0.183 (0.021)		0.026 (0.007)		0.057 (0.011)		0.14 (0.018)
Observations	3502	3502	3502	3502	3502	3502	3502	3502
Riders	229	229	229	229	229	229	229	229
Rider fixed effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Post-estimate tests for heterogeneous effects</i>								
Impact on harassment when few men in reserved space: reserved space - public space								
$\Delta\hat{\beta}$	-0.034	-0.035	-0.023	-0.024	-0.016	-0.016	-0.017	-0.018
P-value	0.041	0.040	0.000	0.000	0.067	0.068	0.292	0.288
Impact on harassment when many men in reserved space: reserved space - public space								
$\Delta\hat{\beta}$	-0.028	-0.028	-0.007	-0.007	-0.005	-0.005	-0.007	-0.006
P-value	0.095	0.096	0.344	0.356	0.642	0.642	0.643	0.647

Notes: Standard errors in parentheses, clustered at participant level. All specifications include rider fixed effects. \*\*\* p < .01; \*\* p < .05; \* p < .1.

Table 6: Alternative specification: no controls, line fixed effects

	Dependent variable:							
	Any harassment		Physical harassment		Verbal harassment		Staring	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Panel A: Overall impact of randomized assignment								
Assigned to reserved space	-0.028*	-0.026*	-0.006	-0.005	-0.016	-0.016	-0.005	-0.002
	(0.016)	(0.015)	(0.007)	(0.007)	(0.010)	(0.010)	(0.014)	(0.014)
Constant	0.164***	0.163***	0.029***	0.029***	0.061***	0.060***	0.116***	0.115***
	(0.016)	(0.016)	(0.006)	(0.005)	(0.010)	(0.010)	(0.013)	(0.012)
Mean dependent variable								
Assigned to public space	0.164		0.029		0.061		0.116	
	(0.01)		(0.004)		(0.006)		(0.008)	
Panel B: Impact of randomized assignment by presence of men in reserved space								
Few men in reserved space × assigned to reserved space	0.106***	0.081***	0.010***	0.007	0.031***	0.027*	0.082***	0.050***
	(0.017)	(0.020)	(0.004)	(0.005)	(0.011)	(0.014)	(0.014)	(0.014)
Few men in reserved space × assigned to public space	0.146***	0.117***	0.032***	0.027***	0.064***	0.060***	0.094***	0.058***
	(0.020)	(0.024)	(0.007)	(0.008)	(0.016)	(0.019)	(0.015)	(0.015)
Many men in reserved space × assigned to reserved space	0.168***	0.114***	0.036**	0.030**	0.059***	0.048***	0.143***	0.079***
	(0.023)	(0.023)	(0.015)	(0.012)	(0.016)	(0.016)	(0.022)	(0.020)
Many men in reserved space × assigned to public space	0.183***	0.129***	0.026***	0.020**	0.057***	0.046***	0.140***	0.076***
	(0.021)	(0.024)	(0.007)	(0.008)	(0.011)	(0.012)	(0.018)	(0.019)
Mean dependent variable								
Assigned to public space × Few men in reserved space	0.146		0.032		0.064		0.094	
	(0.02)		(0.007)		(0.016)		(0.015)	
Assigned to public space × Many men in reserved space	0.183		0.026		0.057		0.14	
	(0.021)		(0.007)		(0.011)		(0.018)	
Observations	3502	3502	3502	3502	3502	3502	3502	3502
Riders	229	229	229	229	229	229	229	229
Line fixed effect	No	Yes	No	Yes	No	Yes	No	Yes
Post-estimate tests for heterogeneous effects								
Impact on harassment when few men in reserved space: reserved space - public space								
$\Delta \hat{\beta}$	-0.040	-0.036	-0.022	-0.021	-0.033	-0.033	-0.012	-0.008
P-value	0.027	0.044	0.001	0.002	0.003	0.003	0.488	0.650
Impact on harassment when many men in reserved space: reserved space - public space								
$\Delta \hat{\beta}$	-0.016	-0.015		0.010	0.002	0.003	0.003	0.003
P-value	0.513	0.526	0.341	0.353	0.900	0.867	0.885	0.867

Notes: Standard errors in parentheses, clustered at participant level. \*\*\* p < .01; \*\* p < .05; \* p < .1.

### 3 Revealed preferences by rider risk perception

#### 3.1 Sample: riders who completed exit survey

Table 7: Main specification

	Dependent variable: Chose reserved space								
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<i>Panel A: By risk type, zero opportunity cost</i>									
High risk perceiver	0.107*** (0.036)	0.097*** (0.035)	0.099*** (0.034)	0.072** (0.033)	0.065** (0.033)	0.071** (0.033)	-0.009 (0.047)	-0.022 (0.048)	-0.016 (0.048)
High crowding			0.015 (0.045)			0.027 (0.042)			0.045 (0.062)
Few men in reserved space			0.092*** (0.025)			0.093*** (0.024)			0.083** (0.036)
Constant	0.245*** (0.017)	0.249*** (0.017)	0.200*** (0.023)	0.248*** (0.019)	0.251*** (0.019)	0.200*** (0.023)	0.299*** (0.028)	0.304*** (0.026)	0.254*** (0.032)
<i>Mean dependent variable</i>									
Low risk perceiver		0.245 (0.009)			0.248 (0.01)			0.299 (0.015)	
Riders	206	206	206	203	203	203	111	111	111
Line fixed effects	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
<i>Panel B: By risk type and opportunity cost</i>									
Low risk perceiver $\times$ zero opportunity cost	0.250*** (0.018)	0.225*** (0.019)	0.230*** (0.019)	0.246*** (0.020)	0.222*** (0.020)	0.225*** (0.020)	0.308*** (0.030)	0.298*** (0.036)	0.300*** (0.036)
Low risk perceiver $\times$ positive opportunity cost	0.090*** (0.015)	0.067*** (0.013)	0.064*** (0.013)	0.085*** (0.016)	0.062*** (0.013)	0.057*** (0.013)	0.122*** (0.022)	0.115*** (0.034)	0.120*** (0.034)
High risk perceiver $\times$ zero opportunity cost	0.335*** (0.030)	0.299*** (0.033)	0.312*** (0.033)	0.311*** (0.026)	0.279*** (0.030)	0.293*** (0.030)	0.263*** (0.034)	0.252*** (0.049)	0.257*** (0.050)
High risk perceiver $\times$ positive opportunity cost	0.079*** (0.015)	0.051** (0.020)	0.053*** (0.020)	0.091*** (0.017)	0.063*** (0.021)	0.069*** (0.022)	0.138*** (0.029)	0.115*** (0.043)	0.094** (0.041)
High crowding			-0.027 (0.025)			-0.027 (0.025)			-0.002 (0.028)
Observations	13211	13211	12542	13185	13185	12520	7656	7656	7304
Riders	206	206	206	203	203	203	111	111	111
Line fixed effects	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
Type of perceived risk	Physical harassment	Physical harassment	Physical harassment	Verbal harassment	Verbal harassment	Verbal harassment	Robbery	Robbery	Robbery
<i>Post-estimate tests for heterogeneous effects</i>									
By opportunity cost: zero opportunity cost - positive opportunity cost									
$\Delta\hat{\beta}$ for high risk perceivers	0.255	0.248	0.259	0.220	0.216	0.224	0.125	0.137	0.163
P-value	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
$\Delta\hat{\beta}$ for low risk perceivers	0.159	0.158	0.166	0.162	0.160	0.169	0.186	0.183	0.180
P-value	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
By risk perception: high risk - low risk perceivers									
$\Delta\hat{\beta}$ when zero opportunity cost	0.085	0.075	0.082	0.064	0.057	0.068	-0.045	-0.046	-0.043
P-value	0.017	0.037	0.022	0.050	0.082	0.039	0.325	0.310	0.341
$\Delta\hat{\beta}$ when positive opportunity cost	-0.011	-0.015	-0.011	0.006	0.001	0.012	0.016	0.000	-0.026
P-value	0.614	0.461	0.578	0.797	0.975	0.610	0.656	0.999	0.431

Notes: Standard errors in parentheses, clustered at participant level. \*\*\* p < .01; \*\* p < .05; \* p < .1.



## 4 Impact of randomized assignment of car on fear and subjective well-being, overall and by ride condition

### 4.1 Main sample: riders who started randomized car assignment rides

Table 8: Alternative specification: no controls

	Dependent variable: Above median on self-reported scale								
	Afraid of harassment (1)	Overall wellbeing (2)	Happy (3)	Sad (4)	Tense (5)	Relaxed (6)	Frustrated (7)	Satisfied (8)	Vs before (9)
Panel A: Overall impact of randomized assignment									
Assigned to reserved space	-0.026 (0.023)	0.022 (0.027)	0.026 (0.026)	-0.051* (0.028)	-0.000 (0.030)	0.002 (0.027)	-0.064** (0.026)	0.002 (0.025)	0.004 (0.018)
Constant	0.210*** (0.022)	0.295*** (0.025)	0.330*** (0.025)	0.466*** (0.028)	0.419*** (0.029)	0.474*** (0.026)	0.483*** (0.027)	0.415*** (0.028)	0.138*** (0.017)
Mean dependent variable									
Assigned to public space	0.210 (0.013)	0.295 (0.014)	0.330 (0.015)	0.466 (0.016)	0.419 (0.015)	0.474 (0.016)	0.483 (0.016)	0.415 (0.015)	0.138 (0.01)
Panel B: Heterogeneous effects by male presence reserved space									
Many men in reserved space × assigned to public space	0.241*** (0.029)	0.294*** (0.031)	0.292*** (0.031)	0.507*** (0.036)	0.442*** (0.039)	0.487*** (0.034)	0.507*** (0.036)	0.363*** (0.034)	0.137*** (0.023)
Many men in reserved space × assigned to reserved space	0.244*** (0.033)	0.278*** (0.034)	0.318*** (0.035)	0.443*** (0.036)	0.451*** (0.036)	0.484*** (0.033)	0.438*** (0.034)	0.373*** (0.035)	0.134*** (0.023)
Few men in reserved space × assigned to public space	0.184*** (0.026)	0.296*** (0.033)	0.363*** (0.033)	0.431*** (0.036)	0.399*** (0.034)	0.463*** (0.033)	0.462*** (0.034)	0.458*** (0.036)	0.139*** (0.021)
Few men in reserved space × assigned to reserved space	0.135*** (0.023)	0.350*** (0.032)	0.389*** (0.034)	0.391*** (0.033)	0.391*** (0.034)	0.471*** (0.034)	0.402*** (0.033)	0.453*** (0.034)	0.148*** (0.026)
Mean dependent variable									
Assigned to public space × Few men in reserved space	0.184 (0.019)	0.296 (0.02)	0.363 (0.022)	0.431 (0.022)	0.399 (0.022)	0.463 (0.022)	0.462 (0.022)	0.458 (0.022)	0.139 (0.015)
Assigned to public space × Many men in reserved space	0.241 (0.019)	0.294 (0.019)	0.292 (0.02)	0.507 (0.022)	0.442 (0.021)	0.487 (0.022)	0.507 (0.022)	0.363 (0.021)	0.137 (0.014)
Observations	3688	3589	3589	3589	3589	3589	3589	3589	3589
Riders	258	257	257	257	257	257	257	257	257
Post-estimate tests for heterogeneous effects									
By assigned space: assigned reserved space - assigned public space									
$\Delta\hat{\beta}$ when few men in reserved space	-0.050	0.054	0.026	-0.040	-0.008	0.007	-0.060	-0.006	0.009
P-value	0.028	0.140	0.456	0.239	0.821	0.833	0.076	0.862	0.692
$\Delta\hat{\beta}$ when many men in reserved space	0.003	-0.015	0.026	-0.063	0.010	-0.003	-0.069	0.010	-0.003
P-value	0.925	0.661	0.463	0.086	0.813	0.935	0.061	0.784	0.900
By male presence in reserved space: few men - many men in reserved space									
$\Delta\hat{\beta}$ when assigned reserved space	-0.109	0.072	0.070	-0.053	-0.060	-0.013	-0.036	0.080	0.015
P-value	0.001	0.084	0.117	0.176	0.166	0.756	0.354	0.075	0.635
$\Delta\hat{\beta}$ when assigned public space	-0.056	0.002	0.071	-0.076	-0.043	-0.024	-0.046	0.095	0.002
P-value	0.086	0.955	0.083	0.083	0.349	0.567	0.297	0.023	0.939

Notes: Standard errors in parentheses, clustered at participant level. \*\*\* p < .01; \*\* p < .05; \* p < .1.

## 4.2 Sample: riders who completed exit survey

Table 9: Main specification: riders fixed effect

	Dependent variable: Above median on self-reported scale								
	Afraid of harassment (1)	Overall wellbeing (2)	Happy (3)	Sad (4)	Tense (5)	Relaxed (6)	Frustrated (7)	Satisfied (8)	Vs before (9)
<i>Panel A: Overall impact of randomized assignment</i>									
Assigned to reserved space	-0.016 (0.015)	0.039* (0.022)	0.043** (0.020)	-0.052** (0.023)	0.009 (0.022)	0.004 (0.024)	-0.035 (0.021)	0.023 (0.019)	0.003 (0.015)
High crowding	-0.014 (0.038)	0.031 (0.033)	0.018 (0.038)	-0.081* (0.044)	-0.052 (0.044)	0.006 (0.046)	-0.062 (0.048)	0.012 (0.033)	0.021 (0.023)
Few men in reserved space	-0.028 (0.019)	-0.009 (0.025)	-0.000 (0.027)	-0.017 (0.021)	0.027 (0.029)	-0.029 (0.026)	0.003 (0.019)	0.011 (0.023)	0.028 (0.019)
<i>Mean dependent variable</i>									
Assigned to public space	0.205 (0.012)	0.283 (0.014)	0.324 (0.015)	0.471 (0.016)	0.416 (0.015)	0.465 (0.016)	0.483 (0.016)	0.405 (0.015)	0.134 (0.011)
<i>Panel B: Heterogeneous effects by male presence reserved space</i>									
Many men in reserved space × assigned to public space	0.172*** (0.015)	0.308*** (0.022)	0.360*** (0.021)	0.217*** (0.022)	0.069*** (0.023)	0.390*** (0.023)	0.167*** (0.022)	0.510*** (0.019)	0.480*** (0.017)
Many men in reserved space × assigned to reserved space	0.183*** (0.012)	0.321*** (0.012)	0.389*** (0.014)	0.156*** (0.012)	0.089*** (0.018)	0.414*** (0.016)	0.134*** (0.013)	0.552*** (0.014)	0.492*** (0.010)
Few men in reserved space × assigned to public space	0.166*** (0.018)	0.277*** (0.026)	0.348*** (0.024)	0.192*** (0.024)	0.105*** (0.024)	0.378*** (0.025)	0.171*** (0.023)	0.537*** (0.021)	0.515*** (0.016)
Few men in reserved space × assigned to reserved space	0.130*** (0.012)	0.335*** (0.017)	0.401*** (0.018)	0.148*** (0.014)	0.106*** (0.021)	0.366*** (0.019)	0.135*** (0.016)	0.545*** (0.018)	0.511*** (0.012)
High crowding	-0.016 (0.038)	0.033 (0.032)	0.019 (0.038)	-0.080* (0.044)	-0.053 (0.044)	0.005 (0.046)	-0.062 (0.048)	0.011 (0.033)	0.021 (0.023)
<i>Mean dependent variable</i>									
Assigned to public space × Few men in reserved space	0.182 (0.016)	0.276 (0.019)	0.338 (0.021)	0.454 (0.022)	0.400 (0.021)	0.452 (0.022)	0.487 (0.022)	0.438 (0.022)	0.135 (0.015)
Assigned to public space × Many men in reserved space	0.233 (0.017)	0.293 (0.02)	0.308 (0.021)	0.490 (0.022)	0.435 (0.022)	0.481 (0.022)	0.479 (0.022)	0.365 (0.021)	0.134 (0.015)
Observations	3502	3421	3421	3421	3421	3421	3421	3421	3421
Riders	229	229	229	229	229	229	229	229	229
Rider fixed effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Post-estimate tests for heterogeneous effects</i>									
By assigned space: assigned reserved space - assigned public space									
$\Delta\beta$ when few men in reserved space	-0.036	0.058	0.053	-0.045	0.000	-0.011	-0.037	0.008	-0.004
P-value	0.033	0.076	0.083	0.106	0.994	0.707	0.237	0.789	0.844
$\Delta\beta$ when many men in reserved space	0.011	0.013	0.030	-0.060	0.020	0.025	-0.033	0.043	0.012
P-value	0.612	0.574	0.174	0.028	0.502	0.398	0.263	0.050	0.512
By male presence in reserved space: few men - many men in reserved space									
$\Delta\beta$ when assigned reserved space	-0.053	0.015	0.012	-0.009	0.016	-0.048	0.001	-0.007	0.019
P-value	0.024	0.589	0.700	0.712	0.666	0.148	0.982	0.811	0.354
$\Delta\beta$ when assigned public space	-0.005	-0.030	-0.012	-0.024	0.037	-0.012	0.005	0.028	0.035
P-value	0.796	0.371	0.741	0.399	0.224	0.697	0.879	0.335	0.127

Notes: Standard errors in parentheses, clustered at participant level. All specifications include rider fixed effects. \*\*\* p < .01; \*\* p < .05; \* p < .1.

Table 10: Alternative specification: no controls

	Dependent variable: Above median on self-reported scale								
	Afraid of harassment (1)	Overall wellbeing (2)	Happy (3)	Sad (4)	Tense (5)	Relaxed (6)	Frustrated (7)	Satisfied (8)	Vs before (9)
<i>Panel A: Overall impact of randomized assignment</i>									
Assigned to reserved space	-0.025 (0.023)	0.012 (0.025)	0.014 (0.024)	-0.051* (0.029)	0.009 (0.030)	-0.011 (0.026)	-0.060** (0.027)	-0.005 (0.024)	0.006 (0.018)
Constant	0.205*** (0.022)	0.283*** (0.025)	0.324*** (0.025)	0.471*** (0.030)	0.416*** (0.030)	0.465*** (0.027)	0.483*** (0.028)	0.405*** (0.029)	0.134*** (0.018)
<i>Mean dependent variable</i>									
Assigned to public space	0.205 (0.012)	0.283 (0.014)	0.324 (0.015)	0.471 (0.016)	0.416 (0.015)	0.465 (0.016)	0.483 (0.016)	0.405 (0.015)	0.134 (0.011)
<i>Panel B: Heterogeneous effects by male presence reserved space</i>									
Many men in reserved space × assigned to public space	0.233*** (0.030)	0.293*** (0.032)	0.308*** (0.032)	0.490*** (0.037)	0.435*** (0.040)	0.481*** (0.033)	0.479*** (0.037)	0.365*** (0.036)	0.134*** (0.025)
Many men in reserved space × assigned to reserved space	0.248*** (0.034)	0.249*** (0.026)	0.292*** (0.030)	0.441*** (0.038)	0.449*** (0.038)	0.457*** (0.030)	0.436*** (0.036)	0.352*** (0.031)	0.125*** (0.022)
Few men in reserved space × assigned to public space	0.182*** (0.025)	0.276*** (0.032)	0.338*** (0.032)	0.454*** (0.037)	0.400*** (0.035)	0.452*** (0.033)	0.487*** (0.035)	0.438*** (0.036)	0.135*** (0.022)
Few men in reserved space × assigned to reserved space	0.124*** (0.021)	0.334*** (0.031)	0.377*** (0.034)	0.403*** (0.034)	0.406*** (0.036)	0.453*** (0.034)	0.412*** (0.034)	0.440*** (0.034)	0.152*** (0.027)
<i>Mean dependent variable</i>									
Assigned to public space × Few men in reserved space	0.182 (0.016)	0.276 (0.019)	0.338 (0.021)	0.454 (0.022)	0.400 (0.021)	0.452 (0.022)	0.487 (0.022)	0.438 (0.022)	0.135 (0.015)
Assigned to public space × Many men in reserved space	0.233 (0.017)	0.293 (0.02)	0.308 (0.021)	0.490 (0.022)	0.435 (0.022)	0.481 (0.022)	0.479 (0.022)	0.365 (0.021)	0.134 (0.015)
Observations	3502	3421	3421	3421	3421	3421	3421	3421	3421
Riders	229	229	229	229	229	229	229	229	229
<i>Post-estimate tests for heterogeneous effects</i>									
By assigned space: assigned reserved space - assigned public space									
$\Delta\hat{\beta}$ when few men in reserved space	-0.058	0.058	0.040	-0.052	0.006	0.001	-0.074	0.003	0.018
P-value	0.008	0.105	0.259	0.146	0.870	0.985	0.035	0.937	0.461
$\Delta\hat{\beta}$ when many men in reserved space	0.015	-0.044	-0.016	-0.049	0.014	-0.024	-0.043	-0.013	-0.009
P-value	0.647	0.103	0.562	0.196	0.734	0.461	0.264	0.656	0.692
By male presence in reserved space: few men - many men in reserved space									
$\Delta\hat{\beta}$ when assigned reserved space	-0.125	0.085	0.085	-0.038	-0.043	-0.004	-0.024	0.089	0.027
P-value	0.000	0.013	0.032	0.346	0.347	0.920	0.564	0.029	0.369
$\Delta\hat{\beta}$ when assigned public space	-0.051	-0.017	0.030	-0.036	-0.035	-0.029	0.008	0.073	0.001
P-value	0.099	0.683	0.455	0.422	0.444	0.470	0.859	0.079	0.981

Notes: Standard errors in parentheses, clustered at participant level. \*\*\* p < .01; \*\* p < .05; \* p < .1.