Search Costs Field Experiment

2025-06-02

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1 Summary Statistics

1.1 Overall Summary Statistics

1.1.1 Seminar Speaker Demographics

Table 1: Overall Seminar Statistics

Statistic	Value
Number of seminars	1656
Number of unique departments	530
Total speakers across all seminars	23168
Mean speakers per seminar	13.99
SD speakers per seminar	9.95
Min speakers in a seminar	1
Max speakers in a seminar	76

Table 2: Seminar Speaker Demographics (Across All Seminars)

Demographic Group	Mean				
URM	7.81	11.37	1.07	1.34	55.7
Black	2.24	5.90	0.32	0.67	23.9
Hispanic	5.55	9.70	0.75	1.09	45.2
Female	16.87	16.25	2.39	2.52	75.5

Note: N = 1656 seminars. Percentages calculated among speakers with demographic data available. 'Pct. Any' indicates the percentage of seminars that have at least one speaker from that demographic group.

1.1.2 Department Faculty Demographics

Table 3: Department Faculty Demographics

Statistic	Mean	SD
Total faculty per department	32.3	18.7

Note: N = 530 unique departments. Department faculty demographics based on 2024 coding.

1.2 Summary Statistics by Discipline

1.2.1 Seminar Speaker Demographics by Discipline

Table 4: Seminar Statistics by Discipline

Discipline	N Seminars	N Depts	Mean Speakers	SD Speakers
Chemistry	271	123	14.7	11.1
Computer Science	142	82	13.1	10.3
Mathematics	811	134	13.2	9.1
Mechanical Engineering	82	66	12.9	10.2
Physics	350	125	15.9	10.4

Table 5: Seminar Speaker Demographics by Discipline: URM

Discipline	N Seminars	Mean			
Chemistry	271	9.13	10.47	1.32	65.3
Computer Science	142	4.86	9.01	0.61	38.0
Mathematics	811	7.37	11.02	1.00	51.3
Mechanical Engineering	82	8.38	9.14	1.12	63.4
Physics	350	8.87	13.70	1.23	64.0

Note: Statistics are for seminar speakers. 'Pct. Has Any' indicates percentage of seminars with at least one URM speaker.

Table 6: Seminar Speaker Demographics by Discipline: Other Groups

	Black		Hispanic		Female	
Discipline	Mean					
Chemistry	4.20	40.2	4.83	47.6	23.75	86.3
Computer Science	1.46	16.9	3.41	27.5	18.88	78.9
Mathematics	1.72	19.2	5.64	43.5	13.90	69.5
Mechanical Engineering	3.28	32.9	5.10	46.3	19.25	76.8
Physics	1.98	22.9	6.89	54.0	17.06	79.1

Note: Statistics are for seminar speakers. 'Pct. Any' indicates percentage of seminars with at least one speaker from that group.

1.2.2 Department Faculty Demographics by Discipline

Table 7: Department Faculty Demographics by Discipline

		Faculty Size		% URM Faculty		% Women Faculty	
Discipline	N Depts	Mean	SD	Mean	SD	Mean	SD
Chemistry	123	27.2	13.0	4.66	4.53	23.39	8.45
Computer Science	82	41.3	25.5	2.79	3.27	19.34	8.19
Mathematics	134	32.4	17.0	3.56	3.56	18.95	8.26
Mechanical Engineering	66	34.0	20.3	5.32	5.54	18.78	8.47
Physics	125	30.5	17.2	3.79	4.88	16.76	7.46

Note: Department faculty demographics based on 2024 coding.

1.3 Summary Statistics by Semester

Table 8: Summary Statistics by Semester

	URM			Black		Hispanic	
Semester (N)	Mean						
Fall (1448)	7.44	0.57	38.5	1.74	11.9	5.68	31.0
Spring (1397)	7.99	0.68	43.1	2.66	18.3	5.30	31.9
	Female			Total Speakers			
Semester	Mean						
Fall	16.09	1.27	61.8	7.75	5.50		
Spring	17.69	1.52	63.7	8.56	6.92		

2 Main Effects Analysis

2.1 Main Question 1: URM Speaker Representation

Table 9: Main Question 1: Effect on URM Speaker Representation

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.743	0.734	0.093	0.070	0.014	0.011
	(0.535)	(0.530)	(0.069)	(0.068)	(0.025)	(0.024)
Constant	8.189***	4.213	1.252	0.354	0.609	0.291
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.011	0.015	0.026	0.035	0.031	0.045

Note: Clustered standard errors at department level in parentheses.
$^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$

2.2 Main Questions 2a-2c: Effects on Speaker Counts

Table 10: Main Questions 2a-2c: Effects on Speaker Counts

	% Count		Count Count			Any Count
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	−0.461	−0.502	0.093	0.070	−0.535	−0.556
	(0.554)	(0.542)	(0.069)	(0.068)	(0.523)	(0.511)
Constant	16.810***	12.854	1.252	0.354	15.523	12.435
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.031	0.058	0.026	0.035	0.030	0.057
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

2.3 Seemingly Unrelated Regression (SUR) Analysis

Table 11: SUR Analysis: Testing Substitution Between URM and Non-URM Speakers

Outcome	Coefficient	SE
URM Speakers	0.0928	(0.0663)
Non-URM Speakers	-0.5352	(0.4576)
Sum of Effects	-0.4424	—
Wald Test: H0: Treatment effect on URM + Treatment effect on Non-URM = 0		

Note: SUR estimation with simple controls allows for correlation between equation errors. The Wald test examines whether the treatment effect represents a pure substitution (increasing URM speakers while decreasing non-URM speakers by the same amount).

3 Demographic Subgroup Analysis

3.1 Black Speakers

Table 12: Effect on Black Speakers

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.587	0.554^{+}	0.067^{+}	0.062	0.045^{+}	0.045^{*}
	(0.308)	(0.293)	(0.040)	(0.038)	(0.023)	(0.022)
Constant	2.605^{***}	0.303	0.450	0.097	0.285	0.056
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.027	0.034	0.049	0.058	0.042	0.051
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

3.2 Hispanic Speakers

Table 13: Effect on Hispanic Speakers

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.175	0.198	0.027	0.008	−0.007	−0.010
	(0.461)	(0.469)	(0.052)	(0.052)	(0.025)	(0.025)
Constant	5.384^{***}	3.766	0.779	0.236	0.491	0.291
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.006	0.005	0.013	0.020	0.018	0.021
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

3.3 Female Speakers

Table 14: Effect on Female Speakers

	% Female		Count Female			Any Female
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.055	−0.251	−0.071	−0.137	−0.009	−0.012
	(0.828)	(0.829)	(0.129)	(0.125)	(0.021)	(0.021)
Constant	21.840^{***}	16.463	3.595	2.394	0.854	0.693
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.051	0.057	0.088	0.106	0.018	0.028
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

3.4 URM Female

Table 15: Effect on URM Female Speakers

	% URM Female		Count URM Female			Any URM Female
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	−0.052	−0.095	0.014	0.005	0.011	0.002
	(0.174)	(0.188)	(0.019)	(0.019)	(0.017)	(0.017)
Constant	1.814***	0.193	0.218	−0.020	0.190	−0.033
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.014	0.019	0.042	0.060	0.045	0.062
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

3.5 Black Female

Table 16: Effect on Black Female Speakers

	% Black Female		Count Black Female			Any Black Female
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.098	0.102	0.001	0.001	0.003	0.003
	(0.072)	(0.073)	(0.010)	(0.010)	(0.009)	(0.009)
Constant	0.571***	0.101	0.087	0.037	0.074	0.035
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.030	0.034	0.025	0.029	0.020	0.025
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

3.6 Black Male

Table 17: Effect on Black Male Speakers

	% Black Male		Count Black Male			Any Black Male
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.489	0.451^{+}	0.065^{+}	0.061^{+}	0.051*	0.050*
	(0.263)	(0.248)	(0.034)	(0.032)	(0.023)	(0.022)
Constant	2.034***	0.202	0.356	0.059	0.269	0.031
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.019	0.024	0.041	0.049	0.039	0.048
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

3.7 Hispanic Female

Table 18: Effect on Hispanic Female Speakers

	% Hispanic Female		Count Hispanic Female			Any Hispanic Female
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	−0.152	−0.200	0.000	−0.008	−0.001	−0.009
	(0.162)	(0.179)	(0.013)	(0.013)	(0.012)	(0.012)
Constant	1.224***	0.070	0.073	−0.036	0.068	−0.035
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.001	0.003	0.004	0.016	0.004	0.016
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

3.8 Hispanic Male

Table 19: Effect on Hispanic Male Speakers

	% Hispanic Male		Count Hispanic Male			Any Hispanic Male
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.327	0.399	0.025	0.015	−0.006	−0.009
	(0.389)	(0.388)	(0.047)	(0.046)	(0.025)	(0.025)
Constant	4.160***	3.696	0.705	0.273	0.484	0.283
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.010	0.008	0.014	0.020	0.019	0.022
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

4 Discipline Subgroup Analysis

4.0.1 Chemistry (N=271)

Table 20: Chemistry : Effect on URM Speaker Representation

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.550	−0.449	−0.135	−0.205	0.043	0.020
	(1.198)	(1.224)	(0.169)	(0.176)	(0.054)	(0.059)
Constant	4.407***	−0.574	0.789	−0.527	0.094	−0.230
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	271	271	271	271	271	271
Adjusted R^2	-0.023	-0.015	0.109	0.113	0.093	0.093
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 21: Chemistry : Effect on Black Speaker Representation

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.655	0.208	−0.015	−0.016	0.071	0.038
	(1.047)	(0.914)	(0.121)	(0.111)	(0.067)	(0.068)
Constant	1.379	−9.402	0.329	−1.328	0.105	−0.791
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	271	271	271	271	271	271
Adjusted R^2	-0.026	0.005	0.061	0.105	0.071	0.128
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 22: Chemistry : Effect on Hispanic Speaker Representation

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	−0.013	−0.565	−0.127	−0.199	−0.075	−0.099
	(1.006)	(1.034)	(0.123)	(0.142)	(0.062)	(0.064)
Constant	2.177*	7.127	0.424	0.645	0.138	0.295
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	271	271	271	271	271	271
Adjusted R^2	-0.020	-0.020	0.048	0.067	0.025	0.037
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

4.0.2 Mathematics (N=811)

Table 23: Mathematics : Effect on URM Speaker Representation

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	1.183	1.495^{+}	0.151	0.148	0.024	0.014
	(0.695)	(0.836)	(0.098)	(0.116)	(0.032)	(0.032)
Constant	5.650***	3.396	0.962	0.021	0.505	0.146
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	811	811	811	811	811	811
Adjusted R^2	0.006	0.003	0.000	0.001	-0.006	0.004
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 24: Mathematics : Effect on Black Speaker Representation

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.252	0.496	0.064	0.100^{+}	0.006	0.013
	(0.370)	(0.433)	(0.050)	(0.058)	(0.029)	(0.027)
Constant	0.481	0.972	0.187	0.387	0.151	0.076
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	811	811	811	811	811	811
Adjusted R^2	0.025	0.038	0.013	0.028	0.010	0.027
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 25: Mathematics : Effect on Hispanic Speaker Representation

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.950	1.005	0.091	0.049	0.041	0.035
	(0.617)	(0.687)	(0.078)	(0.081)	(0.034)	(0.035)
Constant	5.094***	2.276	0.756	−0.401	0.441	0.209
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	811	811	811	811	811	811
Adjusted R^2	-0.004	-0.005	-0.004	0.002	-0.003	-0.002
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

4.0.3 Physics (N=350)

Table 26: Physics : Effect on URM Speaker Representation

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.195	0.344	0.211	0.236^{+}	−0.004	0.010
	(1.281)	(1.185)	(0.142)	(0.141)	(0.061)	(0.056)
Constant	14.623***	16.403	1.429	3.096	0.549	1.212
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	350	350	350	350	350	350
Adjusted R^2	0.002	-0.007	0.002	0.009	0.003	0.033
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 27: Physics : Effect on Black Speaker Representation

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	1.260^{+}	1.333*	0.167*	0.174*	0.130**	0.134**
	(0.627)	(0.633)	(0.068)	(0.068)	(0.049)	(0.050)
Constant	0.620	1.842	0.068	0.573	0.040	0.322
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	350	350	350	350	350	350
Adjusted R^2	0.003	0.001	0.013	0.009	0.010	0.021
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 28: Physics : Effect on Hispanic Speaker Representation

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	−1.065	−0.989	0.043	0.062	−0.050	−0.039
	(1.256)	(1.211)	(0.129)	(0.130)	(0.065)	(0.063)
Constant	14.003***	14.560	1.361	2.523	0.541	1.086
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	350	350	350	350	350	350
Adjusted R^2	-0.000	-0.012	-0.010	0.008	0.001	0.004
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

4.0.4 Computer Science (N=142)

Table 29: Computer Science : Effect on URM Speaker Representation

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	2.285	2.529	0.124	0.052	0.108	0.114
	(1.377)	(1.763)	(0.153)	(0.202)	(0.095)	(0.088)
Constant	8.029***	7.913	1.463	3.396	0.807	2.639
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	142	142	142	142	142	142
Adjusted R^2	0.078	0.105	0.121	0.098	0.104	0.127
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 30: Computer Science : Effect on Black Speaker Representation

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.332	−0.138	−0.041	−0.065	−0.015	−0.049
	(0.671)	(0.645)	(0.067)	(0.068)	(0.056)	(0.062)
Constant	3.892***	−0.450	0.629	1.496	0.487	0.944
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	142	142	142	142	142	142
Adjusted R^2	-0.018	-0.048	0.026	0.018	0.029	0.015
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 31: Computer Science : Effect on Hispanic Speaker Representation

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	1.953	2.667	0.165	0.117	0.144	0.156^{+}
	(1.426)	(1.699)	(0.141)	(0.174)	(0.098)	(0.083)
Constant	4.138^{**}	8.363	0.834	1.899	0.628	2.352
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	142	142	142	142	142	142
Adjusted R^2	0.076	0.143	0.075	0.065	0.092	0.141
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

4.0.5 Mechanical Engineering (N=82)

Table 32: Mechanical Engineering : Effect on URM Speaker Representation

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	2.772	2.771	0.599^{*}	0.809^{*}	0.037	0.043
	(1.979)	(1.876)	(0.295)	(0.349)	(0.111)	(0.127)
Constant	14.896^{***}	7.948	2.110	3.352	0.722	0.566
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	82	82	82	82	82	82
Adjusted R^2	0.003	-0.015	-0.013	0.090	0.016	0.034
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 33: Mechanical Engineering : Effect on Black Speaker Representation

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	2.771	2.238^{*}	0.527^{**}	0.536^{**}	0.291^{**}	0.286^{**}
	(1.081)	(0.878)	(0.165)	(0.173)	(0.100)	(0.097)
Constant	7.904^{***}	10.798	0.810	1.309	0.657	0.963
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	82	82	82	82	82	82
Adjusted R^2	0.065	0.088	0.079	0.135	0.070	0.139
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 34: Mechanical Engineering : Effect on Hispanic Speaker Representation

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.001	0.532	0.072	0.274	−0.050	−0.016
	(1.872)	(1.855)	(0.227)	(0.244)	(0.122)	(0.130)
Constant	6.992^{***}	−2.849	1.300	2.043	0.495	0.059
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	82	82	82	82	82	82
Adjusted R^2	-0.072	-0.098	-0.027	0.022	-0.018	-0.012
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

5 Semester-Specific Analysis

5.1 Fall Semester

Table 35: Fall: Effect on URM Speakers

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	1.098	0.977	0.098*	0.073	0.043+	0.033
	(0.702)	(0.684)	(0.047)	(0.046)	(0.025)	(0.026)
Constant	5.742***	−2.379	0.515	−0.205	0.347	−0.005
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,448	1,448	1,448	1,448	1,448	1,448
Adjusted R^2	0.017	0.025	0.026	0.041	0.029	0.038
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 36: Fall: Effect on Black Speakers

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.427	0.397	0.049*	0.047*	0.038*	0.036*
	(0.335)	(0.334)	(0.021)	(0.021)	(0.017)	(0.017)
Constant	2.565***	−1.427	0.201	−0.050	0.149	−0.051
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,448	1,448	1,448	1,448	1,448	1,448
Adjusted R^2	0.021	0.034	0.036	0.046	0.033	0.040
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 37: Fall: Effect on Hispanic Speakers

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.668	0.572	0.049	0.026	0.025	0.014
	(0.645)	(0.647)	(0.040)	(0.040)	(0.025)	(0.025)
Constant	3.078***	−1.066	0.304	−0.166	0.227	−0.019
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,448	1,448	1,448	1,448	1,448	1,448
Adjusted R^2	0.012	0.011	0.020	0.030	0.022	0.027
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

5.2 Spring Semester

Table 38: Spring: Effect on URM Speakers

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.426	0.564	−0.009	−0.007	−0.020	−0.017
	(0.767)	(0.768)	(0.056)	(0.057)	(0.027)	(0.027)
Constant	8.928***	9.366	1.121	0.940	0.584	0.474
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,397	1,397	1,397	1,397	1,397	1,397
Adjusted R^2	0.001	0.001	0.019	0.016	0.023	0.025
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 39: Spring: Effect on Black Speakers

	% Black		Count Black			Any Black
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.706	0.680	0.021	0.020	0.014	0.015
	(0.458)	(0.438)	(0.035)	(0.034)	(0.023)	(0.022)
Constant	2.129***	0.794	0.366	0.256	0.255	0.155
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,397	1,397	1,397	1,397	1,397	1,397
Adjusted R^2	0.009	0.011	0.031	0.035	0.024	0.028
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

Table 40: Spring: Effect on Hispanic Speakers

	% Hispanic		Count Hispanic			Any Hispanic
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	−0.258	−0.095	−0.029	−0.027	−0.033	−0.030
	(0.644)	(0.654)	(0.042)	(0.042)	(0.026)	(0.026)
Constant	6.582***	8.413	0.737	0.670	0.476	0.403
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,397	1,397	1,397	1,397	1,397	1,397
Adjusted R^2	-0.006	-0.004	0.008	0.009	0.018	0.020
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

6 Heterogeneity Analysis

6.1 Moderation by Department Ranking

Table 41: Effect by Department Rank

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.704***	0.730	0.095	0.067	0.016	0.010
	(0.527)	(0.528)	(0.069)	(0.067)	(0.025)	(0.024)
Dept Ranking (centered)	0.013	0.026*	−0.003*	−0.001	−0.001*	−0.001
	(0.013)	(0.013)	(0.001)	(0.001)	(0.001)	(0.001)
Treatment × Dept Ranking (centered)	0.007	0.004	0.004+	0.004*	0.001	0.001
	(0.017)	(0.016)	(0.002)	(0.002)	(0.001)	(0.001)
Constant	9.190***	5.643	1.172	0.407	0.547	0.277
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.012	0.015	0.028	0.037	0.035	0.045
Note:	Clustered standard errors at department level in parentheses.					
	$^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

6.2 Moderation by Total Faculty Size

Table 42: Effect by Faculty Size

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.878***	0.734	0.070	0.066	0.008	0.011
	(0.552)	(0.531)	(0.072)	(0.068)	(0.026)	(0.024)
Total Faculty (centered)	−0.021	−0.025	0.004	0.002	0.001	−0.001
	(0.023)	(0.023)	(0.003)	(0.003)	(0.001)	(0.001)
Treatment × Total Faculty (centered)	0.008	0.000	−0.002	−0.003	0.000	−0.000
	(0.027)	(0.026)	(0.003)	(0.003)	(0.001)	(0.001)
Constant	8.195***	3.272	1.263	0.375	0.603	0.265
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.011	0.015	0.026	0.035	0.031	0.045
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

6.3 Moderation by URM Faculty in Peer Departments

Table 43: Effect by Peer URM Faculty

	% URM		Count URM			Any URM
	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.748***	0.718	0.098	0.069	0.016	0.011
	(0.528)	(0.528)	(0.068)	(0.067)	(0.024)	(0.024)
Peer URM Faculty (centered)	0.081	0.141*	0.018**	0.020**	0.007**	0.007**
	(0.054)	(0.056)	(0.005)	(0.006)	(0.002)	(0.003)
Treatment × Peer URM Faculty (centered)	−0.083	−0.065	−0.004	−0.003	−0.001	−0.001
	(0.075)	(0.074)	(0.008)	(0.008)	(0.003)	(0.003)
Constant	8.012***	7.729	1.203	0.951	0.590	0.491
Controls	Simple	Extended	Simple	Extended	Simple	Extended
N	1,656	1,656	1,656	1,656	1,656	1,656
Adjusted R^2	0.011	0.015	0.033	0.034	0.040	0.045
Note:	Clustered standard errors at department level in parentheses. $^{+}p < 0.1$; $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$					

7 Summary of All Significant Results

Table 44: All Significant Results ($p < 0.1$) from All Analyses (Excluding Constant Term)

Analysis	Outcome	Variable	Model	Coef.	SE	t-stat	p-value	Sig.
Demographic Analysis								
Demographic Subgroup	% Black	Treatment	Simple	0.5871	0.3084	1.904	0.0571	+
Demographic Subgroup	% Black Male	Treatment	Simple	0.4891	0.2628	1.861	0.0629	+
Demographic Subgroup	Any Black	Treatment	Extended	0.0445	0.0224	1.984	0.0475	*
Demographic Subgroup	Any Black Male	Treatment	Extended	0.0497	0.0221	2.248	0.0247	*
Demographic Subgroup	Count Black	Treatment	Simple	0.0669	0.0400	1.670	0.0951	+
Demographic Subgroup	Count Black Male	Treatment	Simple	0.0651	0.0339	1.922	0.0548	+
Other								
Computer Science	% URM	Treatment	Simple	2.2852	1.3775	1.659	0.0996	+
Computer Science	Any Hispanic	Treatment	Extended	0.1563	0.0832	1.880	0.0626	+
Department Rank	Count URM	Treatment × Dept Ranking	Extended	0.0039	0.0019	2.058	0.0397	*
Mathematics	% URM	Treatment	Extended	1.4949	0.8357	1.789	0.0740	+
Mathematics	Count Black	Treatment	Extended	0.0998	0.0578	1.726	0.0848	+
Mechanical Engineering	% Black	Treatment	Simple	2.7713	1.0807	2.564	0.0127	*
Mechanical Engineering	Any Black	Treatment	Extended	0.2857	0.0972	2.940	0.0047	**
Mechanical Engineering	Count Black	Treatment	Simple	0.5272	0.1654	3.187	0.0022	**
Mechanical Engineering	Count URM	Treatment	Extended	0.8092	0.3492	2.318	0.0241	*
Physics	% Black	Treatment	Extended	1.3330	0.6331	2.105	0.0360	*
Physics	Any Black	Treatment	Extended	0.1337	0.0504	2.652	0.0084	**
Physics	Count Black	Treatment	Extended	0.1740	0.0679	2.562	0.0108	*
Physics	Count URM	Treatment	Extended	0.2361	0.1406	1.680	0.0939	+
Semester Analysis								
Fall Semester	Any Black	Treatment	Simple	0.0377	0.0169	2.232	0.0258	*
Fall Semester	Any URM	Treatment	Simple	0.0427	0.0255	1.676	0.0939	+
Fall Semester	Count Black	Treatment	Simple	0.0489	0.0213	2.299	0.0216	*
Fall Semester	Count URM	Treatment	Simple	0.0978	0.0467	2.093	0.0365	*

Note: Results sorted by analysis type and name. When both Model 1 (Simple) and Model 2 (Extended) are significant, only the result with the lower p-value is shown. Significance levels: + p<0.1; * p<0.05; ** p<0.01; *** p<0.001. SE = Clustered standard errors at department level. Constant terms are excluded from this summary.

Table 45: Summary of Significant Results by Analysis Type (Excluding Constant Term)

Analysis Type	Total Significant	Significant at 5%
Demographic Subgroup	6	2
Fall Semester	4	3
Computer Science	2	0
Department Rank	1	1
Mathematics	2	0
Mechanical Engineering	4	4
Physics	4	3
Total	23	13