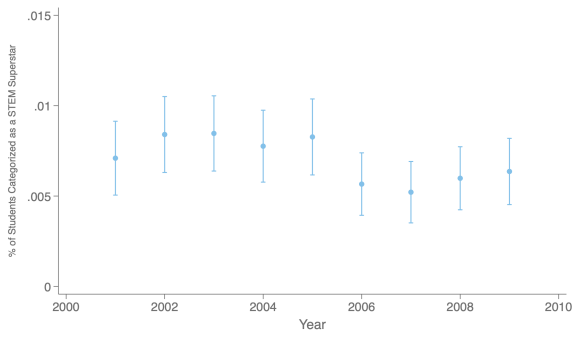
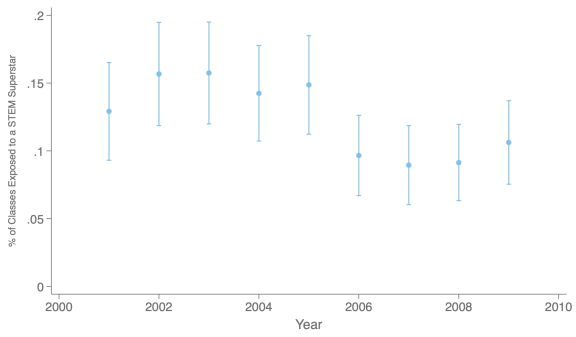
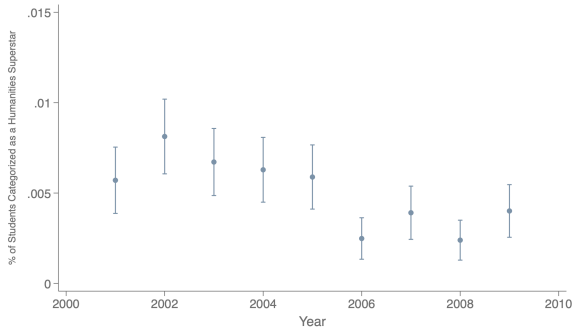
Appendix:

Figure A1: Superstar Dynamics Over Time







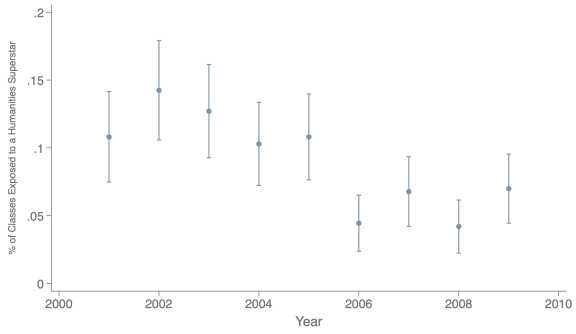
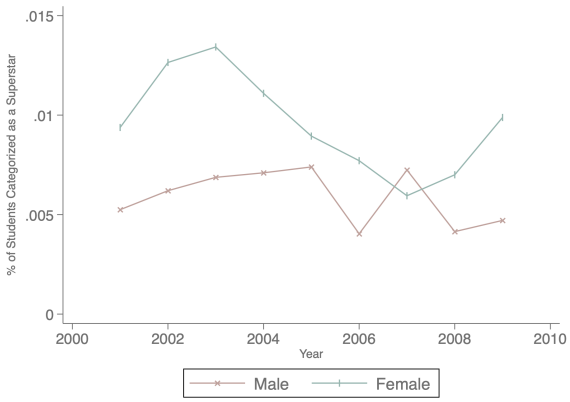
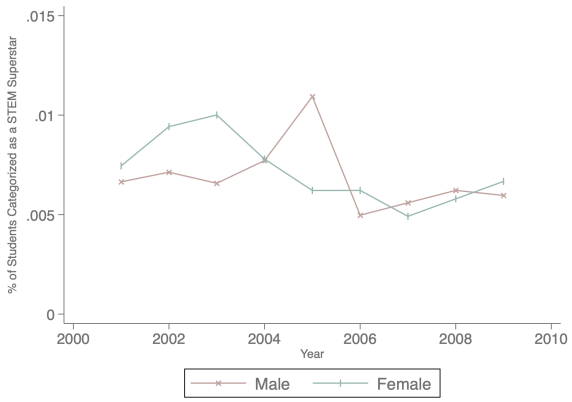


Figure A2: Superstar Dynamics by gender





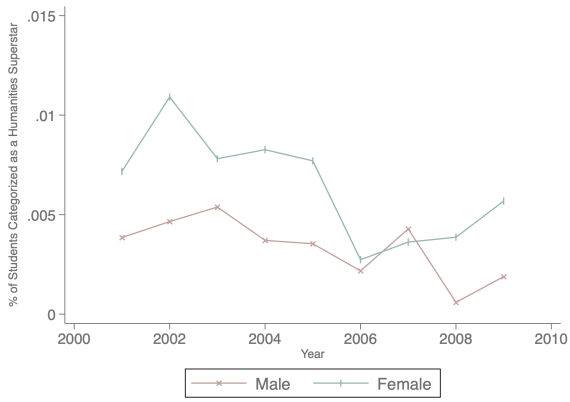
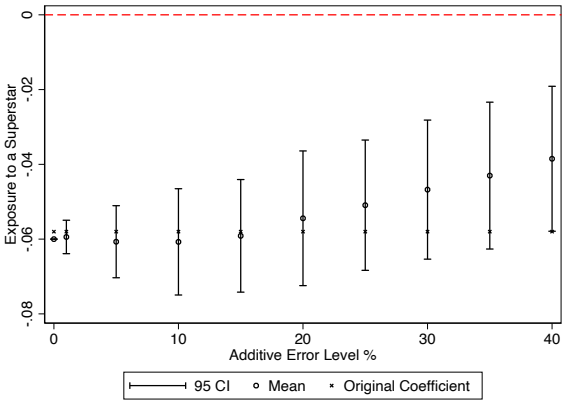
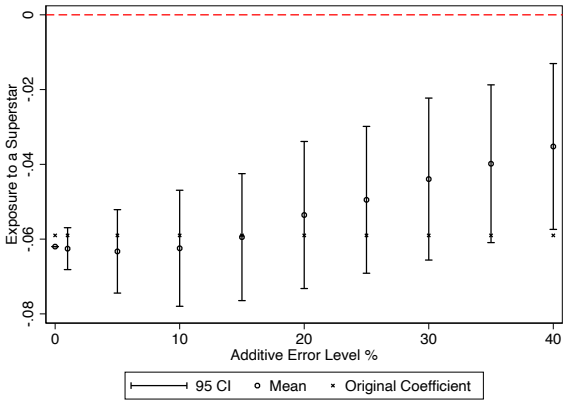


Figure A3: Additive Noise in Baseline Test Scores

(a) Overall



(b) STEM



(c) Humanities

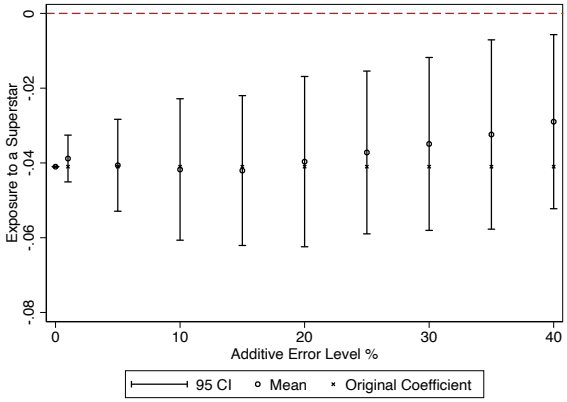
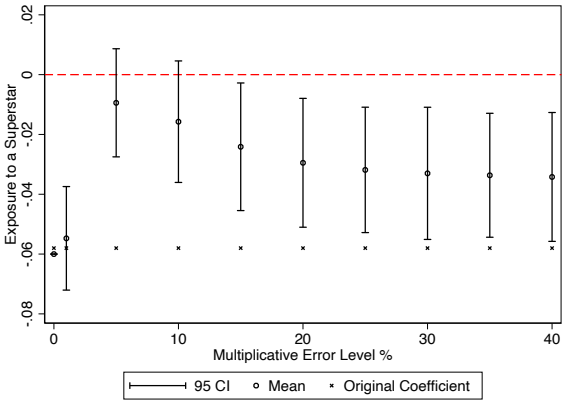
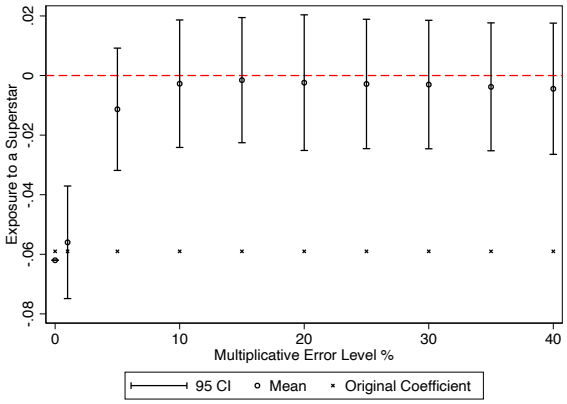


Figure A4: Multiplicative Noise in Baseline Test Scores

(a) Overall



(b) STEM



(c) Humanities

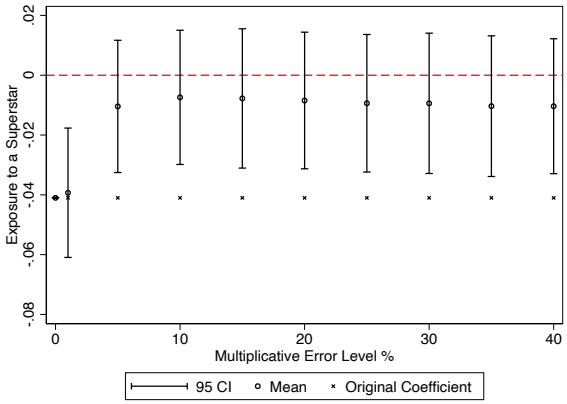
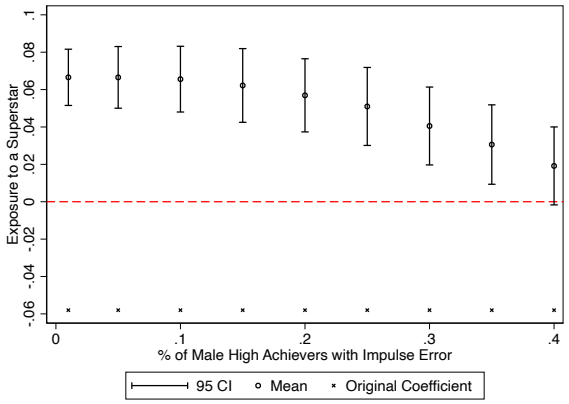
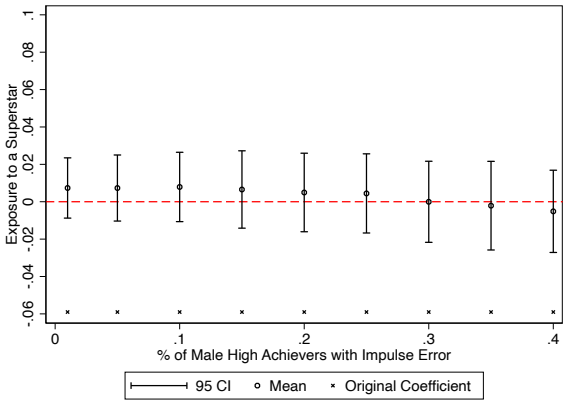


Figure A5: Impulse Noise in Male High Achievers Baseline Test Scores

(a) Overall



(b) STEM



(c) Humanities

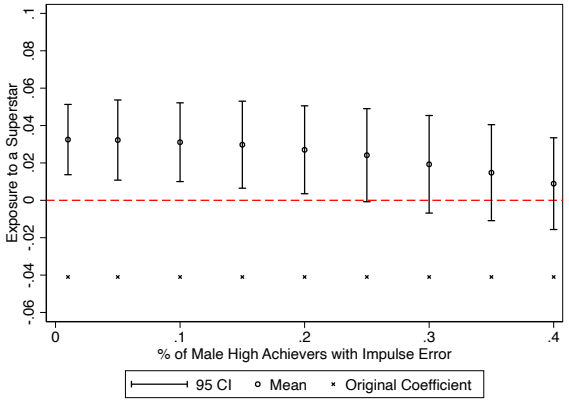


Table A1: Differences in Scores by Gender

	Male	Female	Diff. (Male - Female)	s.e.	Obs.
Algebra Test Score (Baseline)	14.6622	14.8659	-0.2037***	(0.0238)	64691
Modern Greek Test Score (Baseline)	14.3670	15.3292	-0.9622***	(0.0183)	64691
Physics Test Score (Baseline)	14.8913	14.8911	0.0001	(0.0239)	64691
Geometry Test Score (Baseline)	14.6751	14.8020	-0.1269***	(0.0242)	64691
History Test Score (Baseline)	15.4102	16.1065	-0.6963***	(0.0228)	64691

Table A2: Balance Test at the Individual Level Separately by Gender

	In a Classroom with a Superstar				
	(1)	(2)	(3)	(4)	(5)
Panel A: Females					
STEM Avg. Test Scores (Baseline)	−0.000				−0.001*
	(0.000)				(0.001)
Humanities Avg. Test Scores (Baseline)		0.000			0.001
		(0.001)			(0.001)
Age at Grade 10			0.001		0.000
			(0.002)		(0.003)
Born in 1st Quarter				−0.002	−0.001
				(0.004)	(0.005)
Mean	0.144	0.144	0.144	0.144	0.144
Observations	36093	36093	36093	36093	36093
F-Statistic	27.496	27.455	27.451	27.455	19.331
P-value for joint significance	0.000	0.000	0.000	0.000	0.000
Panel B: Males					
STEM Avg. Test Scores (Baseline)	0.000				0.001*
	(0.001)				(0.001)
Humanities Avg. Test Scores (Baseline)		−0.000			−0.001
		(0.001)			(0.001)
Age at Grade 10			−0.002		−0.001
			(0.003)		(0.006)
Born in 1st Quarter				0.003	0.001
				(0.004)	(0.008)
Mean of Outcome	0.144	0.144	0.144	0.144	0.144
Observations	28598	28598	28598	28598	28598
F-Statistic	26.154	26.147	26.159	26.158	18.370
P-value for joint significance	0.000	0.000	0.000	0.000	0.000

Notes: The treatment variable is regressed on each control variable in a separate regression. In column (5) we include all control variables simultaneously in the regression and report the joint significance of those variables. We show these estimates separately for male (upper panel) and female (lower panel) students. Each estimate is generated from a different regression. All grades presented have been standardized. All regressions include school by year FE and the following class controls: the proportion of female peers, the class's leave-out mean in baseline test scores in STEM and humanities, the number of students in the class, leave-out mean age, leave-out percentage of students born in the first quarter. Robust standard errors clustered at the school by year level are reported in parentheses. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively.

Table A3: Balance Test at the Classroom Level

	Main variable	Baseline Class Avg. Grade in		Other			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Class with a Superstar	STEM	Humanities	Class Size	Avg. Class Age	Proportion Born in Q1	Number of Females
Class 1	−0.062	0.241	0.072	0.740	−0.022	0.002	0.274
	(0.071)	(0.612)	(0.472)	(0.479)	(0.017)	(0.010)	(0.698)
Class 2	−0.032	0.049	−0.033	0.634	−0.012	0.000	0.120
	(0.070)	(0.615)	(0.475)	(0.476)	(0.017)	(0.010)	(0.698)
Class 3	−0.045	0.185	−0.031	0.807*	−0.012	−0.002	0.356
	(0.071)	(0.614)	(0.473)	(0.484)	(0.017)	(0.010)	(0.685)
Class 4	−0.059	0.216	0.062	0.594	−0.016	0.004	0.823
	(0.071)	(0.609)	(0.477)	(0.494)	(0.016)	(0.010)	(0.701)
Class 5	−0.083	0.169	0.233	0.588	−0.011	0.003	0.436
	(0.070)	(0.643)	(0.483)	(0.533)	(0.017)	(0.010)	(0.740)
Observations	3338	3338	3338	3338	3338	3338	3338
Mean of Outcome	0.139	14.764	15.305	19.380	15.932	0.119	10.813
F-Statistic	0.981	0.388	0.367	0.895	0.892	0.358	2.081
P-value for joint significance	0.428	0.857	0.871	0.484	0.486	0.877	0.065
School by year FE	✓	✓	✓	✓	✓	✓	✓

Notes: The table shows estimated effects of the class number on a variety of outcomes. Class number 6 is omitted from the regression and thus should be interpreted as the reference category. The unit of observation is the class. Outcome variables are reported in the columns' headings and have been averaged at class level. In particular, we regress the classroom number on the treatment (column 1), average class baseline test scores in STEM (column 2), average class baseline test scores in humanities (column 3), the class size (column 4), the average class age (column 5), the average class proportion of students who are born in the first quarter of the calendar year (column 6), the class proportion of female students (column 7). F-Statistics for the joint significance of the regressors and the related P-value are also reported. They suggest that class numbers are not associated with differences in class-level outcomes. The mean of each outcome variable at class level is also reported. All regressions include a constant, and errors are clustered at unique class level. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively.

Table A4: Estimates of the Effect of a Superstar by Individual Subject

	Grade 10: Test Score in Final Exam				
	(1)	(2)	(3)	(4)	(5)
	Algebra	Geometry	Physics	History	Modern Greek
Exposure to a Superstar	-0.051^{***}	-0.070^{***}	-0.056^{***}	-0.054^{***}	-0.001
	(0.016)	(0.017)	(0.016)	(0.018)	(0.020)
Observations	64177	64177	64177	64177	64177
Adjusted R-squared	0.604	0.589	0.623	0.561	0.619
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A5: Estimates of the Effect of a Superstar with Lower Thresholds

	Grade 10: Overall Avg Test Scores in Final Exam					
	(1)	(2)	(3)	(4)	(5)	(6)
	1 s.d.	1.2 s.d.	1.4 s.d.	1.6 s.d.	1.8 s.d.	2 s.d.
Exposure to a Superstar	−0.104	−0.111***	−0.077***	−0.061***	−0.066***	−0.058***
	(0.136)	(0.024)	(0.012)	(0.009)	(0.010)	(0.012)
Number of Superstars	11967	8403	5245	2789	1237	514
Share Exposed to a Superstar	.998	.968	.837	.589	.311	.137
Observations	52724	56288	59446	61902	63454	64177
Adjusted R-squared	0.663	0.704	0.737	0.760	0.775	0.781
School by year FE	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A6: Estimates of the Effect of a Superstar By Gender

	Grade 10: Avg Test Scores in Final Exam		
	(1)	(2)	(3)
	Overall	STEM	Humanities
Panel A: Females			
Exposure to a Superstar	-0.052^{***}	-0.053^{***}	-0.035^{**}
	(0.015)	(0.017)	(0.017)
Observations	35747	35747	35747
Adjusted R-squared	0.795	0.744	0.701
School by year FE	✓	✓	✓
Controls	✓	✓	✓
Panel B: Males			
Exposure to a Superstar	-0.060^{***}	-0.061^{***}	-0.042^{**}
	(0.015)	(0.016)	(0.019)
Observations	28430	28430	28430
Adjusted R-squared	0.767	0.718	0.664
School by year FE	✓	✓	✓
Controls	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A7: Estimates of the Effect of a Superstar With-in School-Cohorts that have a Superstar

	Grade 10: Avg Test Scores in Final Exam		
	(1)	(2)	(3)
	Overall	STEM	Humanities
Panel A: Overall			
Exposure to a Superstar	-0.060^{***}	-0.060^{***}	-0.045^{***}
	(0.013)	(0.016)	(0.016)
Observations	26603	26603	26603
Adjusted R-squared	0.762	0.711	0.665
School by year FE	✓	✓	✓
Controls	✓	✓	✓
	(1)	(2)	(3)
Panel B: Females			
Exposure to a Superstar	-0.050^{***}	-0.049^{***}	-0.040^{**}
	(0.016)	(0.019)	(0.018)
Observations	14776	14776	14776
Adjusted R-squared	0.779	0.727	0.679
School by year FE	✓	✓	✓
Controls	✓	✓	✓
Panel C: Males			
Exposure to a Superstar	-0.064^{***}	-0.065^{***}	-0.045^{**}
	(0.016)	(0.018)	(0.020)
Observations	11827	11827	11827
Adjusted R-squared	0.743	0.693	0.638
School by year FE	✓	✓	✓
Controls	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A8: Estimates of the Effect of a Superstar on a Top Student: Year 11

	Grade 11: Avg. Test Scores		
	(1)	(2)	(3)
	Overall	STEM	Humanities
Panel A: Top 5			
Exposure to a Superstar	−0.056***	−0.047***	−0.062***
	(0.013)	(0.014)	(0.017)
Exposure to a Superstar x Top 5	−0.108***	−0.103***	−0.088***
	(0.014)	(0.016)	(0.015)
Effect on a Top Student	−0.164***	−0.150***	−0.150***
	(0.017)	(0.019)	(0.019)
Observations	64177	64177	64177
School by year FE	✓	✓	✓
Controls	✓	✓	✓
Panel B: Top 3			
Exposure to a Superstar	−0.064***	−0.054***	−0.070***
	(0.013)	(0.014)	(0.017)
Exposure to a Superstar x Top 3	−0.111***	−0.107***	−0.086***
	(0.017)	(0.019)	(0.018)
Effect on a Top Student	−0.174***	−0.162***	−0.156***
	(0.020)	(0.022)	(0.021)
Observations	64177	64177	64177
School by year FE	✓	✓	✓
Controls	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A9: Estimates of the Effect of a Superstar on the Second Best

	(1) Overall	(2) STEM	(3) Humanities
Grade 10: Test Score in Final Exam			
Exposure to a Superstar	−0.033	−0.027	−0.042
	(0.034)	(0.039)	(0.037)
Observations	3338	3338	3338
School by year FE	✓	✓	✓
Controls	✓	✓	✓
	(1)	(2)	(3)
Grade 11: Avg. Test Scores			
Exposure to a Superstar	−0.092**	−0.107**	−0.041
	(0.038)	(0.042)	(0.043)
Observations	3338	3338	3338
School by year FE	✓	✓	✓
Controls	✓	✓	✓
	(1)	(2)	(3)
Grade 12: Avg. Test Scores			
Exposure to a Superstar	−0.071*	−0.074*	−0.059
	(0.039)	(0.044)	(0.042)
Observations	3338	3338	3338
School by year FE	✓	✓	✓
Controls	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course.

Table A10: Long term outcomes by Type of Superstar

	(1) STEM Track	(2) STEM Admitted	(3) STEM Application	(4) Humanities Track	(5) Humanities Admitted	(6) Humanities Application	(7) Admitted
Panel A: Standard							
Exposure to a Superstar	−0.007	−0.018**	−0.003	0.007	0.002	0.003	0.006
	(0.007)	(0.008)	(0.005)	(0.007)	(0.007)	(0.008)	(0.006)
Observations	64177	55785	46114	64177	64177	46114	55785
School by year FE	✓	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓	✓
Panel B: STEM							
Exposure to a STEM Superstar	−0.014*	−0.023***	−0.015***	0.014*	0.009	0.013	0.004
	(0.008)	(0.009)	(0.005)	(0.008)	(0.007)	(0.009)	(0.007)
Observations	64236	55835	46164	64236	64236	46164	55835
School by year FE	✓	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓	✓
Panel C: Humanities							
Exposure to a Humanities Superstar	0.020**	0.022**	0.003	−0.020**	−0.016**	−0.038***	0.007
	(0.008)	(0.009)	(0.007)	(0.008)	(0.008)	(0.008)	(0.008)
Observations	64364	55958	46283	64364	64364	46283	55958
School by year FE	✓	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓	✓
Panel D: Girl							
Exposure to a Girl Superstar	−0.007	−0.015*	0.000	0.007	0.003	0.009	0.003
	(0.008)	(0.009)	(0.006)	(0.008)	(0.008)	(0.010)	(0.008)
Observations	64345	55940	46266	64345	64345	46266	55940
School by year FE	✓	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓	✓
Panel E: Boy							
Exposure to a Boy Superstar	−0.002	−0.016	−0.007	−0.007	0.002	−0.012	0.005
	(0.010)	(0.012)	(0.008)	(0.008)	(0.010)	(0.012)	(0.009)
Observations	64523	56091	46419	46419	64523	46419	56091
School by year FE	✓	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A11: Estimates of the Effect of a Superstar across School Quality and Neighborhood Income

	Low Ranking School			Top Ranking School		
	(1) Avg.Test Score in STEM	(2) Avg. Test Score in Humanities	(3) STEM Track in Grade 11	(4) Avg. Test Score in STEM	(5) Avg. Test Score in Humanities	(6) STEM Track in Grade 11
Exposure to a Superstar	-0.085^{***}	-0.047^{**}	-0.014	-0.027	-0.028	0.005
	(0.018)	(0.020)	(0.009)	(0.021)	(0.025)	(0.012)
Observations	32068	32068	32068	32109	32109	32109
Adjusted R-squared	0.722	0.678	0.191	0.740	0.697	0.179
School by year FE	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓

	Low Income Nhbd.			High Income Nhbd.		
	(1) Avg.Test Score in STEM	(2) Avg. Test Score in Humanities	(3) STEM Track in Grade 11	(4) Avg. Test Score in STEM	(5) Avg. Test Score in Humanities	(6) STEM Track in Grade 11
Exposure to a Superstar	-0.068^{***}	-0.064^{***}	-0.029^{***}	-0.053^{***}	-0.026	0.007
	(0.022)	(0.025)	(0.011)	(0.018)	(0.020)	(0.009)
Observations	25868	25868	25868	38309	38309	38309
Adjusted R-squared	0.738	0.687	0.194	0.726	0.688	0.179
School by year FE	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized.

Table A12: Estimates of the Effect of a Superstar across Different Numbers of Superstars within a School

	School with Low Amount of Superstars			School with High Amount of Superstars		
	(1) Avg.Test Score in STEM	(2) Avg. Test Score in Humanities	(3) STEM Track in Grade 11	(4) Avg. Test Score in STEM	(5) Avg. Test Score in Humanities	(6) STEM Track in grade 11
Exposure to a Superstar	−0.037	−0.074**	−0.010	−0.070***	−0.035**	−0.005
	(0.029)	(0.030)	(0.014)	(0.016)	(0.018)	(0.008)
Observations	29013	29013	29013	35164	35164	35164
Adjusted R-squared	0.747	0.702	0.190	0.718	0.676	0.182
School by year FE	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A13: Estimates of the Effect of a Superstar separtely for students whose baseline performance is above and below the median

	Students with Test Scores Below the Median			Students with Test Scores Above the Median		
	(1) Avg.Test Score Overall	(2) Avg.Test Score in STEM	(3) Avg. Test Score in Humanities	(4) Avg.Test Score Overall	(5) Avg. Test Score in STEM	(6) Avg. Test Score in Humanities
Exposure to a Superstar	-0.039^{***}	-0.043^{***}	-0.027	-0.014	-0.010	-0.017
	(0.013)	(0.015)	(0.019)	(0.016)	(0.019)	(0.017)
Observations	34131	34131	34131	30046	30046	30046
Adjusted R-squared	0.456	0.411	0.415	0.615	0.561	0.563
School by year FE	✓	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A14: Estimates of the Exposure to More Than One Superstar

	Grade 10: Avg Test Scores in Final Exam		
	(1)	(2)	(3)
	Overall	STEM	Humanities
Exposure to One Superstar	-0.056^{***}	-0.059^{***}	-0.035^{**}
	(0.013)	(0.015)	(0.016)
Exposure to Two or More Superstars	-0.077^{***}	-0.057^{*}	-0.091^{**}
	(0.030)	(0.034)	(0.046)
Observations	64177	64177	64177
Adjusted R-squared	0.781	0.731	0.688
School by year FE	✓	✓	✓
Controls	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A15: Estimates of the Effect of a Female Humanities Superstars

	Grade 10: Test Score in Final Exam			Grade 11:	
	(1)	(2)	(3)	(4)	(5)
	Overall	STEM	Humanities	STEM Track	Humanities Track
Panel A: All					
Exposure to a Female Humanities Superstar	-0.039^{**}	-0.064^{***}	-0.019	0.022^{**}	-0.022^{**}
	(0.018)	(0.019)	(0.020)	(0.009)	(0.009)
Observations	64459	64459	64459	64459	64459
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel B: Within-Female					
Exposure to a Female Humanities Superstar	-0.044^{**}	-0.061^{***}	-0.019	0.036^{***}	-0.036^{***}
	(0.021)	(0.021)	(0.024)	(0.014)	(0.014)
Observations	35861	35861	35861	35861	35861
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel C: Within-Male					
Exposure to a Female Humanities Superstar	-0.028	-0.060^{***}	-0.015	0.007	-0.007
	(0.022)	(0.023)	(0.024)	(0.012)	(0.012)
Observations	28598	28598	28598	28598	28598
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A16: Estimates of the Effect of a Male Humanities Superstars

	Grade 10: Test Score in Final Exam			Grade 11:	
	(1)	(2)	(3)	(4)	(5)
	Overall	STEM	Humanities	STEM Track	Humanities Track
Panel A: All					
Exposure to a Male Humanities Superstar	−0.056**	−0.092***	−0.044	0.014	−0.014
	(0.024)	(0.027)	(0.031)	(0.013)	(0.013)
Observations	64596	64596	64596	64596	64596
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel B: Within-Female					
Exposure to a Male Humanities Superstar	−0.057**	−0.082***	−0.032	0.010	−0.010
	(0.029)	(0.031)	(0.036)	(0.018)	(0.018)
Observations	36093	36093	36093	36093	36093
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel C: Within-Male					
Exposure to a Male Humanities Superstar	−0.057**	−0.102***	−0.065*	0.018	−0.018
	(0.028)	(0.035)	(0.037)	(0.017)	(0.017)
Observations	28503	28503	28503	28503	28503
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A17: Estimates of the Effect of a Female STEM Superstars

	Grade 10: Test Score in Final Exam			Grade 11:	
	(1)	(2)	(3)	(4)	(5)
	Overall	STEM	Humanities	STEM Track	Humanities Track
Panel A: All					
Exposure to a Female STEM Superstar	-0.066^{***}	-0.052^{***}	-0.017	-0.013	0.013
	(0.018)	(0.019)	(0.020)	(0.010)	(0.010)
Observations	64432	64432	64432	64432	64432
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel B: Within-Female					
Exposure to a Female STEM Superstar	-0.070^{***}	-0.047^{**}	-0.046^{**}	-0.016	0.016
	(0.021)	(0.023)	(0.023)	(0.014)	(0.014)
Observations	35834	35834	35834	35834	35834
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel C: Within-Male					
Exposure to a Female STEM Superstar	-0.063^{***}	-0.055^{**}	0.018	-0.012	0.012
	(0.022)	(0.022)	(0.025)	(0.012)	(0.012)
Observations	28598	28598	28598	28598	28598
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.

Table A18: Estimates of the Effect of a Male STEM Superstars

	Grade 10: Test Score in Final Exam			Grade 11:	
	(1)	(2)	(3)	(4)	(5)
	Overall	STEM	Humanities	STEM Track	Humanities Track
Panel A: All					
Exposure to a Male STEM Superstar	-0.063^{***}	-0.007	-0.049^{**}	-0.012	0.012
	(0.017)	(0.018)	(0.024)	(0.010)	(0.010)
Observations	64495	64495	64495	64495	64495
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel B: Within-Female					
Exposure to a Male STEM Superstar	-0.056^{***}	-0.002	-0.044	-0.013	0.013
	(0.019)	(0.021)	(0.027)	(0.015)	(0.015)
Observations	36093	36093	36093	36093	36093
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓
Panel C: Within-Male					
Exposure to a Male STEM Superstar	-0.075^{***}	-0.015	-0.057^{**}	-0.011	0.011
	(0.022)	(0.023)	(0.028)	(0.015)	(0.015)
Observations	28402	28402	28402	28402	28402
School by year FE	✓	✓	✓	✓	✓
Controls	✓	✓	✓	✓	✓

Notes: Regressions control for school by year fixed effects; student-level controls; student predetermined characteristics; and class-by-year characteristics. Each estimate is generated from a different regression. *, **, and *** denote significance at the 10%, 5%, and 1% level, respectively. Robust standard errors clustered at the school by year level are reported in parentheses. All grades presented have been standardized. The controls include the student's gender, age at grade 10, class size, proportion of females in the class, baseline GPA, average class GPA, and prior performance in the specific course. Nevertheless, due to presentation purposes it is not shown.