

A photograph of a classroom from behind, showing several students with their hands raised. A chalkboard in the background is covered in faint, illegible writing.

Q-School

Analytics for NYC public schools

Anita Schmid

School Search

Location Borough Grade [Advanced School Search](#) [Print](#) [Feedback](#)

Zoned Elementary Schools

Notes: No special zoning instructions for this zone

- A James Weldon Johnson (M057)**
176 EAST 115 STREET, Manhattan, NY 10029
212-860-5812
Grades: PK, 0K, 01, 02, 03, 04, 05, 06, 07, 08, SE
District: 04
Distance: 0.45mi
[Zoom](#) [Directions](#)



Zoned Middle Schools

Notes: District 4 Middle School Choice. Contact 718-935-2003 for more information.

Zoned High Schools

Notes: Citywide High School Choice

Nearby Schools

1-10 of 41

Sort by: [Name](#) | [District](#) |
[Distance](#)

- 1 P.S. 149 Sojourner Truth (M149)**
41 WEST 117 STREET, Manhattan, NY 10026
646-672-9020
Grades: PK, 0K, 01, 02, 03, 04, 05, 06, 07, 08, SE
District: 03
Distance: 0.22 mi



JAMES WELDON JOHNSON

LORRAINE HASTY, PRINCIPAL
176 EAST 115 STREET, MANHATTAN, NY 10029
PHONE: 212-860-5812



Public School 57

[DOE Home Page](#) > [SchoolPortals](#) > [M057](#) > [Statistics & Budget](#)

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M057

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Academics & Activities

[Arts](#)[Athletics & Fitness](#)[ELA \(English Language Arts\)](#)[Science](#)

Parents

[Parent Support](#)

Students

[Student Support](#)

Statistics

Progress Report Overview

[Progress Report Overview 2012-2013](#)[Progress Report Overview 2011-2012](#)[Progress Report Overview 2010-2011](#)

The NYC Progress Report Overview provides a summary of a school's Progress Report, designed to help families interpret the Progress Report and understand important information about school performance.

Progress Report

[Progress Report 2012-2013](#)[Progress Report 2011-2012](#)[Progress Report 2010-2011](#)

The NYC Progress Report measures student year-to-year progress, compares each school to peer schools, and rewards success in moving all students forward, especially students with the greatest needs. For more information about the Progress Report, [click here](#).

Learning Environment Survey

[Learning Environment Survey Report 2012-2013](#)[Learning Environment Survey Report 2011-2012](#)[Learning Environment Survey Report 2010-2011](#)

This report provides a view of a school's learning environment based on responses from parents, teachers, and middle and high school students to the annual Learning Environment Survey. For additional information about the survey, [click here](#).

Annual School Report Card

The Annual School Report card provides statistics about a school, including enrollment, demographics, and student achievement.

Get 2011-12 and 2012-13 School Report Card information [here](#) – search for your school on the top of the page.



Department of
Education

Progress Report Overview 2012-13

ELEMENTARY and
MIDDLE SCHOOLS

School: James Weldon Johnson (04M057)
Principal: Lorraine Hasty
Address: 176 EAST 115 STREET
 MANHATTAN, NY 10029
Main Phone: 212-860-5812
School Type: K-8
Enrollment: 760

For a translation of this overview, please visit:
 لالنلاع على نسخة مترجمة لها الموج، المرجو زيارة الموقع الإلكتروني أدناه
 点此链接到该报告的中文版本

Pour une version traduite de ce document, merci de visiter

Si w bewazien yon kopi rezime sa a nan lot lang ale sou

개요의 번역본을 보시려면 다음을 방문하십시오.

С переводом можно ознакомиться по адресу

Para una versión traducida de este documento, por favor visite

ان دستاپور کې ترجمه کړئ لاسې برای کم ذهل بر بر جائیں

<http://schools.nyc.gov/accountability/tools/report>

Student Progress	Student Performance	School Environment	Closing the Achievement Gap
<p>C</p> <p>22.2 out of 60 points</p>  <p>0 60</p> <p>The student progress grade is based on the <i>change in student scores</i> on state tests in English Language Arts and Math between 2012 and 2013, compared to other students in the City who started at the same level.</p>	<p>A</p> <p>20.8 out of 25 points</p>  <p>0 25</p> <p>The student performance grade is based on the results of students in your school on 2013 state tests in English Language Arts and Math. Middle school scores also take students passing core courses into account.</p>	<p>A</p> <p>10.3 out of 15 points</p>  <p>0 15</p> <p>The school environment grade is based on <i>student attendance</i> and your school's <i>NYC School Survey</i>, where parents, teachers, and students in grades 6 and older rate academic expectations, safety and respect, communication, and engagement.</p>	<p>6.1 (15 points max)</p> <p>Schools receive extra points if they make exceptional gains with students with disabilities, English Language Learners, and students with the lowest proficiency citywide.</p>

The NYC School Progress Report informs families about the school's strengths and weaknesses, emphasizing how far students have come in the past year. Progress Report grades are made up of three sections: student progress, student performance, and school environment. In each section, your school's results are compared to the results of other schools serving similar students. To view your school's Progress Report in detail, visit the Progress Report website at:

<http://schools.nyc.gov/Accountability/tools/report/default.htm>

Overall Progress Report Grade

B

59.4 out of 100 points

0 100

Website

<http://www.schoolsnyc.net/>

Data

2006-07:

Final Calculation of Progress Report Grade

Category Scores are calculated by weighting the values within each category of the Proximity to Peer Horizon (x3) and Proximity to Peer Horizon (x1) measures for School Environment, Student Performance, and Student Progress. As the weighting indicates, Proximity to Peer Horizon counts three times as much as Proximity to City Horizon. These weighted values within each category are then averaged to create scores for School Environment, Student Performance, and Student Progress. The school's overall score is a weighted average of School Environment (15%), Student Performance (25%), and Student Progress (60%) plus any additional credit earned by the school.

The maximum point values for each measure are indicated in the table below:

<i>Category Measure</i>	<i>Total points</i>	<i>Peer Horizon point values (75% of total)</i>	<i>City Horizon point values (25% of total)</i>
School Environment	15.0	11.25	3.75
Academic Expectations	2.5	1.875	0.625
Communication	2.5	1.875	0.625
Engagement	2.5	1.875	0.625
Safety and Respect	2.5	1.875	0.625
Attendance	5.0	3.75	1.25
Student Performance	25.0	18.75	6.25
ELA – Percentage of Students at Proficiency	6.25	4.6875	1.5625
ELA – Median Student Proficiency	6.25	4.6875	1.5625
Math – Percentage of Students at Proficiency	6.25	4.6875	1.5625
Math – Median Student Proficiency	6.25	4.6875	1.5625

<i>Category Measure</i>	<i>Total points</i>	<i>Peer Horizon point values (75% of total)</i>	<i>City Horizon point values (25% of total)</i>
Student Progress	60.0	45.0	15.0
ELA – Percentage of Students Making at Least 1 Year of Progress	7.5	5.625	1.875
ELA – Percentage of Students in School's Lowest Third Making at Least 1 Year of Progress	7.5	5.625	1.875
ELA – Average Change in Student Proficiency for Level 1 and Level 2 students	15.0 (school-specific based on the % of students reflected in each measure)	11.25 (school-specific)	3.75 (school-specific)
ELA – Average Change in Student Proficiency for Level 3 and Level 4 students			
Math – Percentage of Students Making at Least 1 Year of Progress	7.5	5.625	1.875
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Metric	Points Possible		
	Elem	Middle	K-8
Student Progress	60.00	60.00	60.00
ELA – Median Adjusted Growth Percentile	10.00	15.00	12.50
ELA – Median Adjusted Growth Percentile for Students in the School's Lowest Third	10.00	15.00	12.50
ELA – Early Grade Progress	10.00	N/A	5.00
Math – Median Adjusted Growth Percentile	10.00	15.00	12.50
Math – Median Adjusted Growth Percentile for Students in the School's Lowest Third	10.00	15.00	12.50
Math – Early Grade Progress	10.00	N/A	5.00
Student Performance	25.00	25.00	25.00
ELA – Percentage of Students at Proficiency	6.25	5.00	5.00
ELA – Average Student Proficiency	6.25	5.00	5.00
Math – Percentage of Students at Proficiency	6.25	5.00	5.00
Math – Average Student Proficiency	6.25	5.00	5.00
English Core Course Passing Rate	N/A	1.25	1.25
Mathematics Core Course Passing Rate	N/A	1.25	1.25
Science Core Course Passing Rate	N/A	1.25	1.25
Social Studies Core Course Passing Rate	N/A	1.25	1.25
School Environment	15.00	15.00	15.00
Academic Expectations	2.50	2.50	2.50
Communication	2.50	2.50	2.50
Engagement	2.50	2.50	2.50
Safety and Respect	2.50	2.50	2.50
Attendance	5.00	5.00	5.00

2012-13:

Data

2006-07:

Final Calculation of Progress Report Grade

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2012-13:

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Communication	2.50	2.50	2.50
Engagement	2.50	2.50	2.50
Safety and Respect	2.50	2.50	2.50
Attendance	5.00	5.00	5.00



Grades

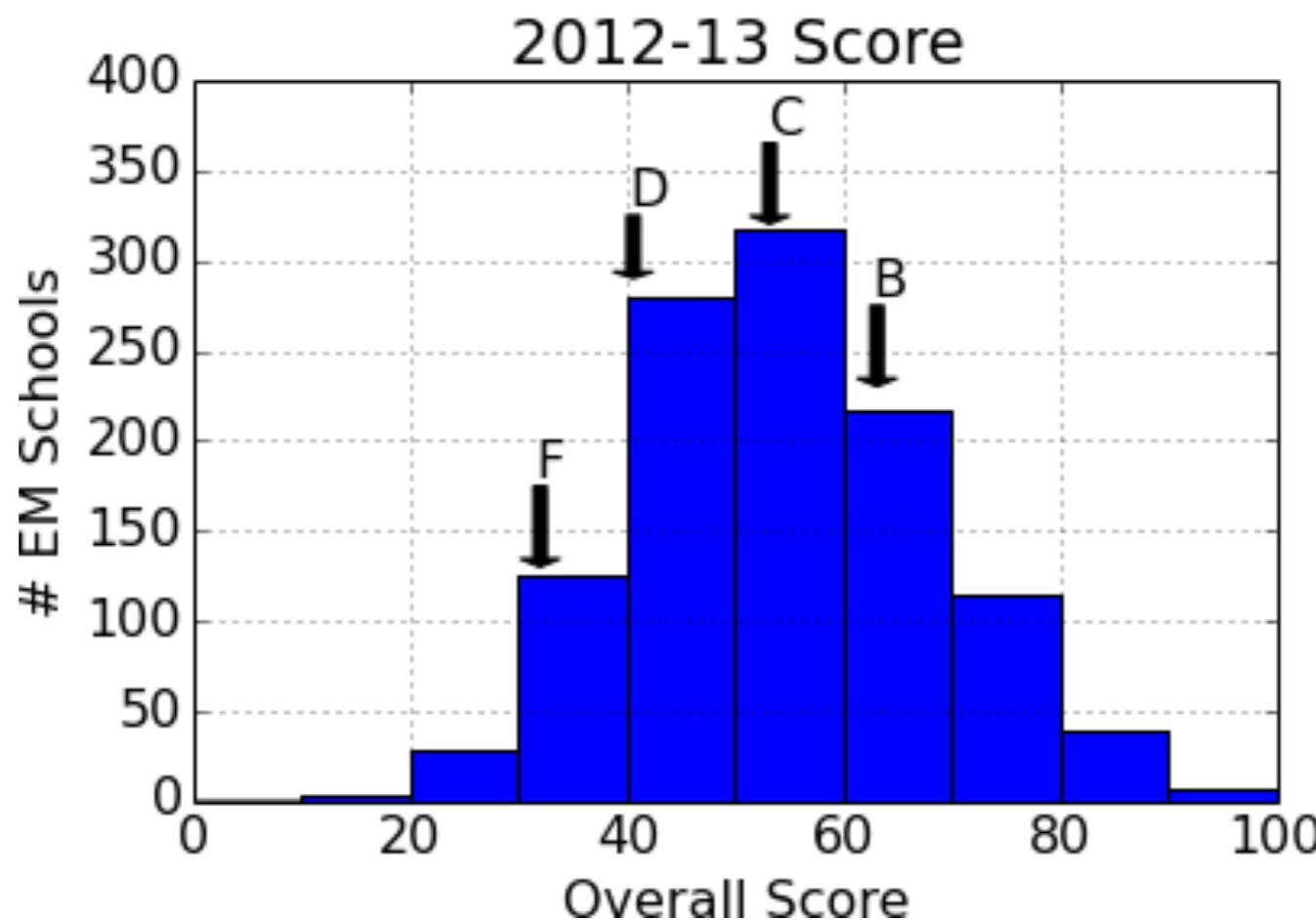
Overall Score: 0 - 100

Grades

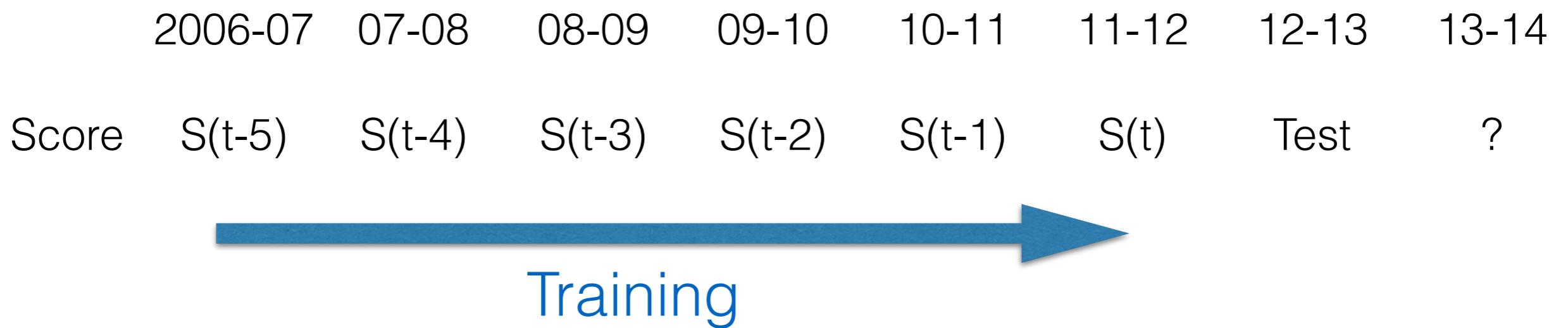
Overall Score: 0 - 100 → Grade: A,B,C,D,F

Grades

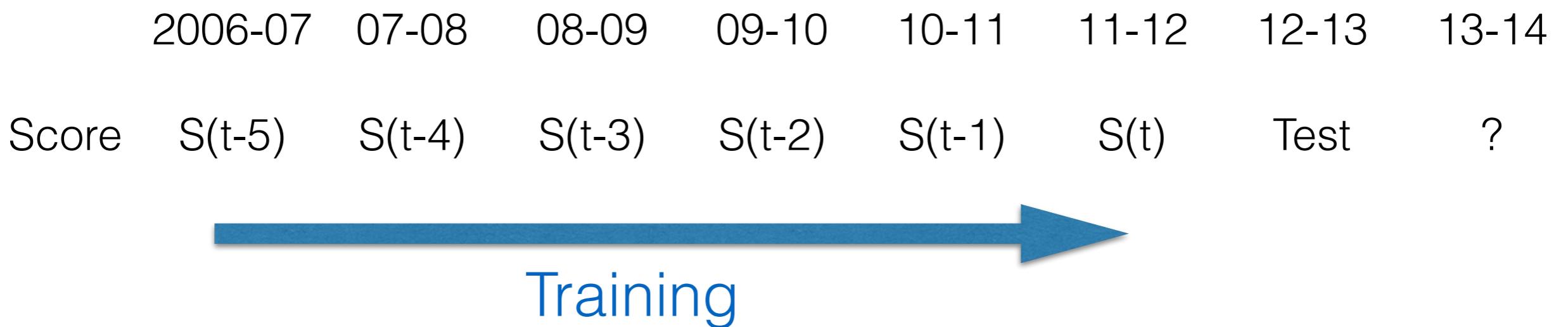
Overall Score: 0 - 100 → Grade: A,B,C,D,F



Algorithm:



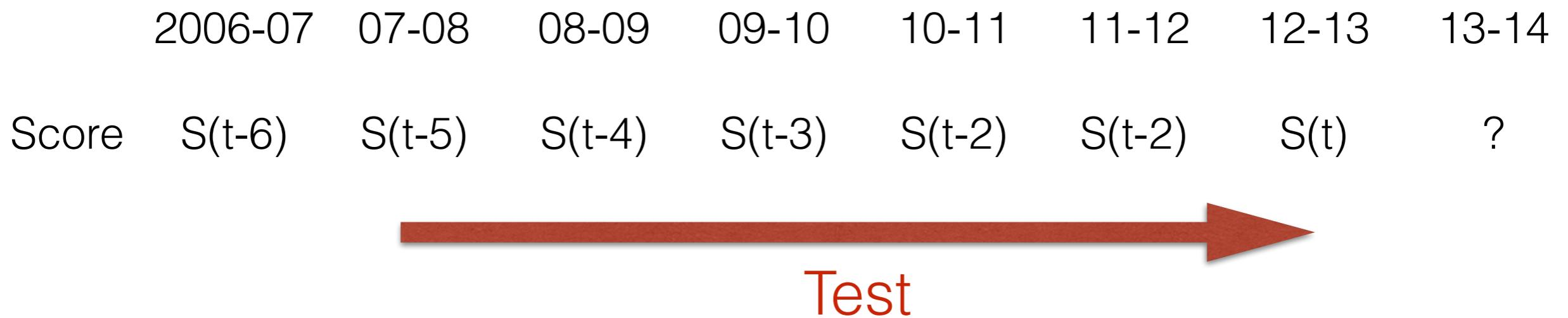
Algorithm:



$$S(t) = \mathbf{0.22} * S(t-1) + \mathbf{0.24} * S(t-2) + \mathbf{0.07} * S(t-3) + \mathbf{0.19} * S(t-4) + \mathbf{0.09} * S(t-5)$$

RMSE:12.01

Algorithm:



$$S(t) = \mathbf{0.22} * S(t-1) + \mathbf{0.24} * S(t-2) + \mathbf{0.07} * S(t-3) + \mathbf{0.19} * S(t-4) + \mathbf{0.09} * S(t-5)$$

RMSE: 12.55

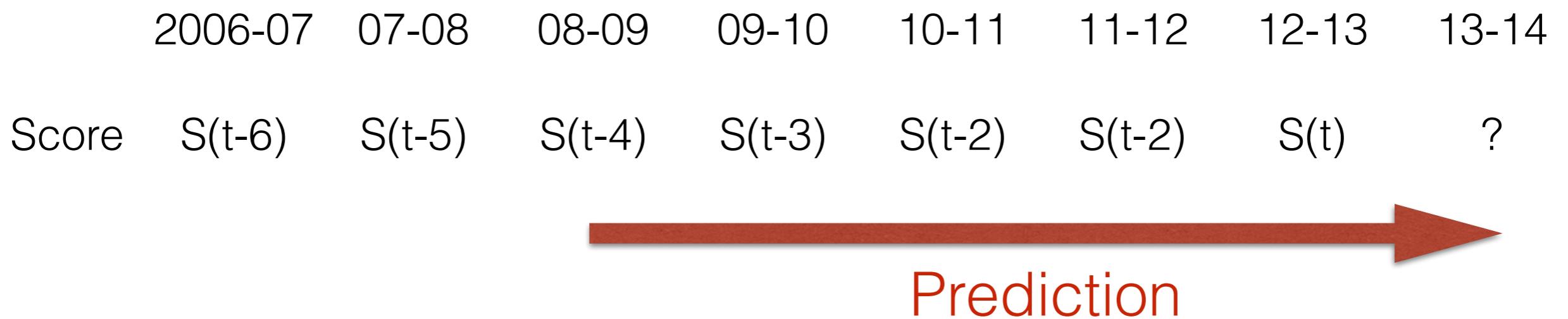
Algorithm:



$$S(t) = \mathbf{0.22} * S(t-1) + \mathbf{0.15} * S(t-2) + \mathbf{0.17} * S(t-3) + \mathbf{0.08} * S(t-4) + \mathbf{0.05} * S(t-5)$$

RMSE: 11.66

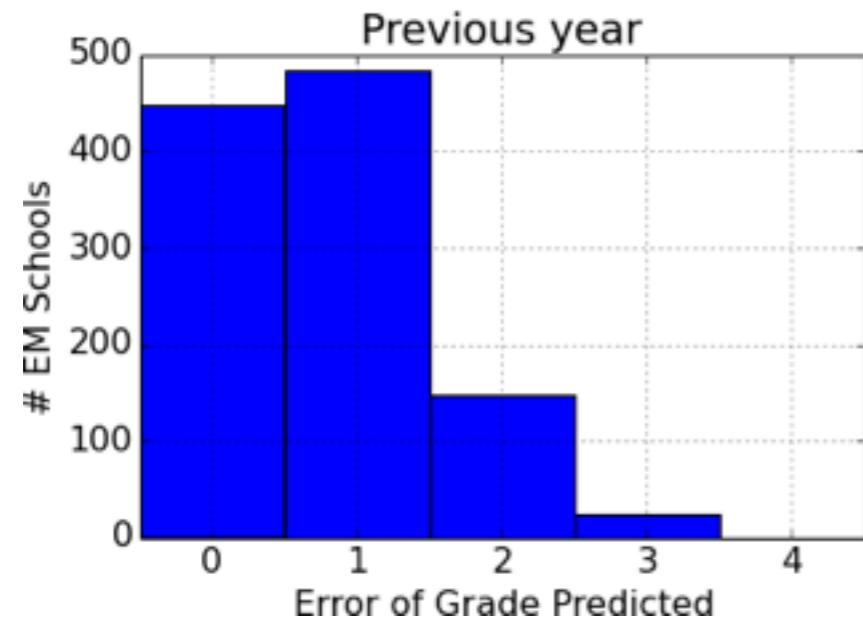
Algorithm:



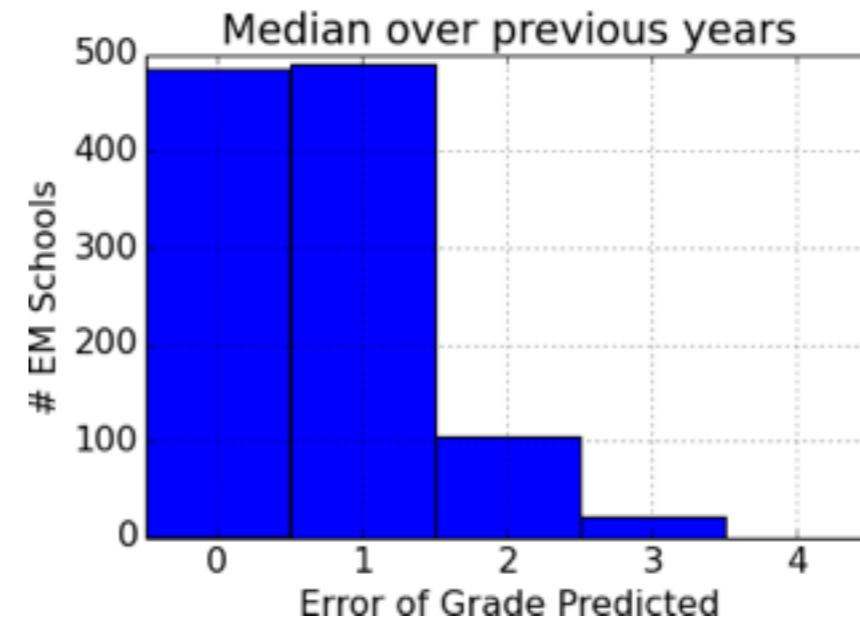
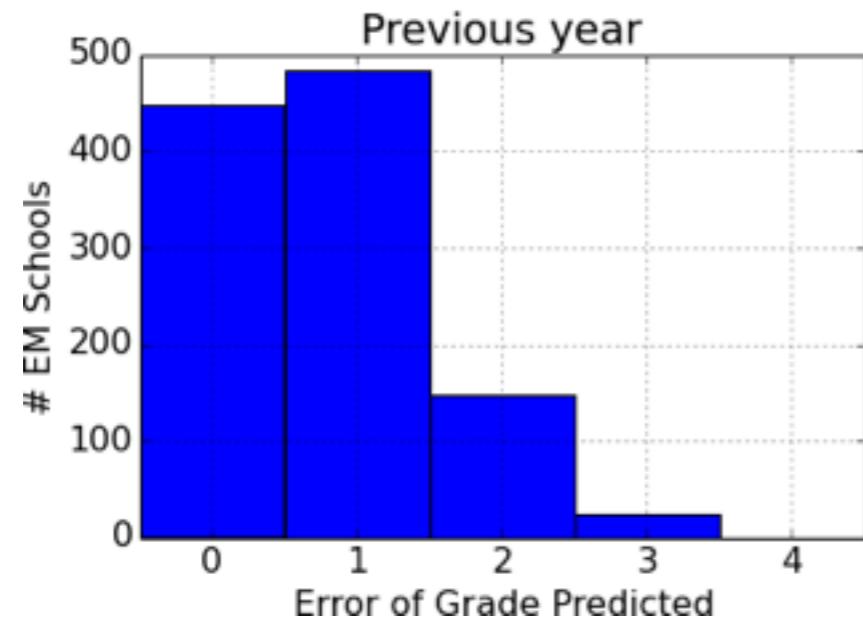
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RMSE: 11.66

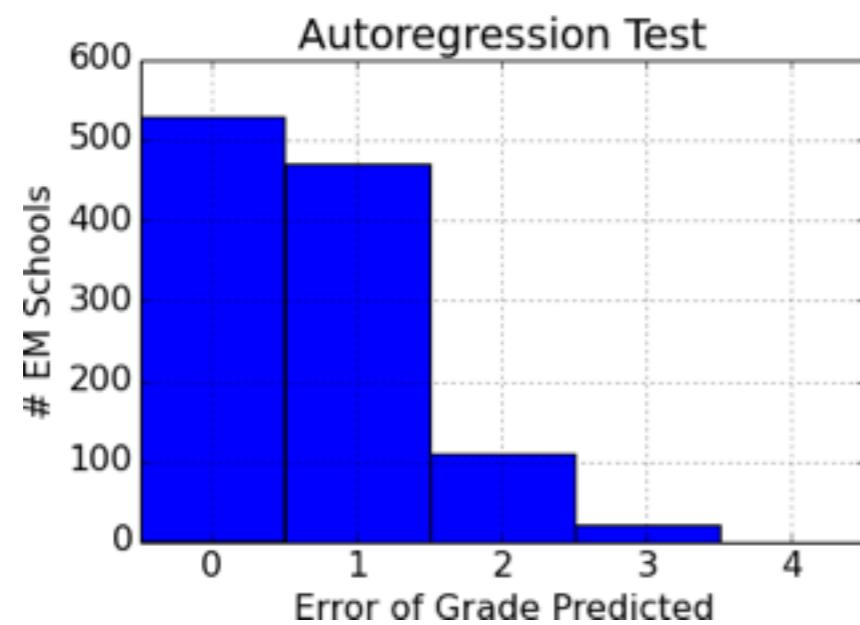
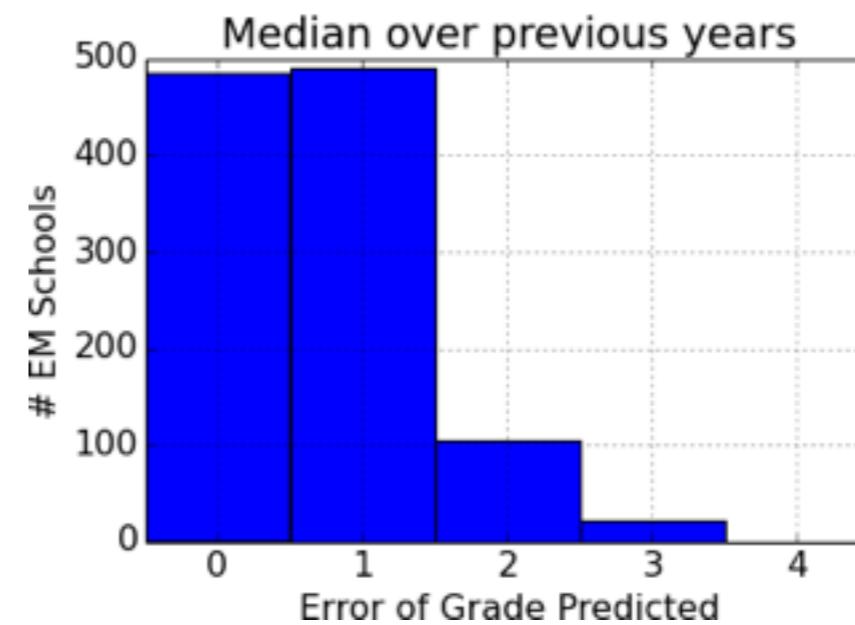
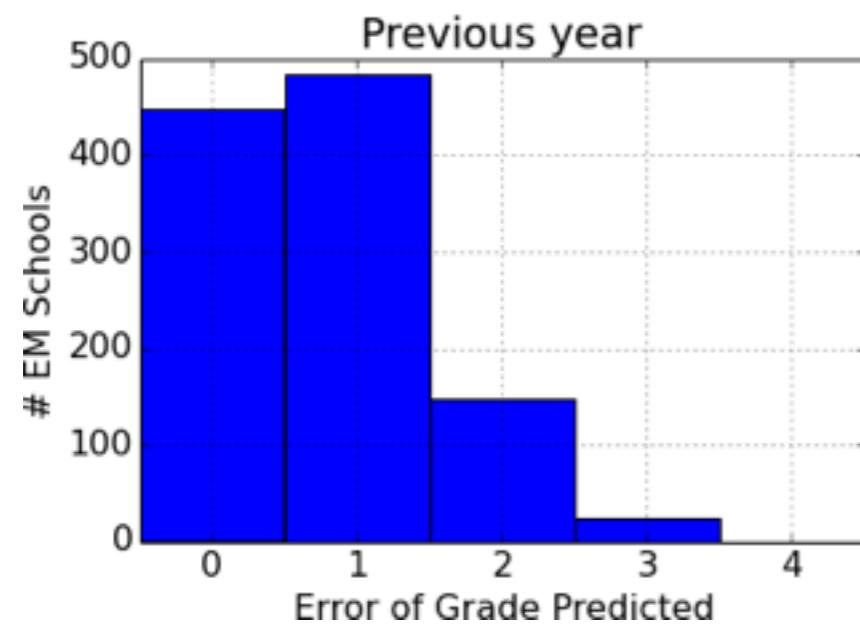
Prediction Performance



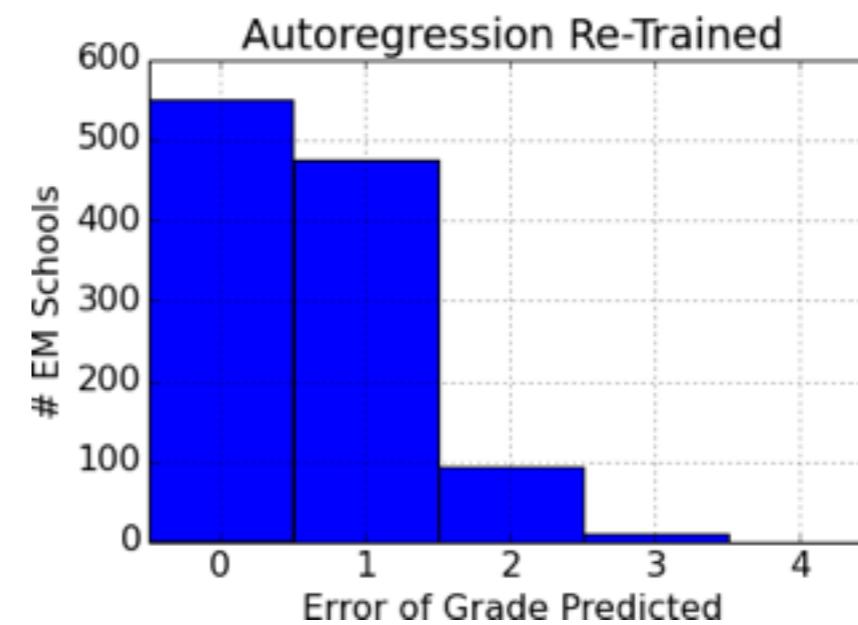
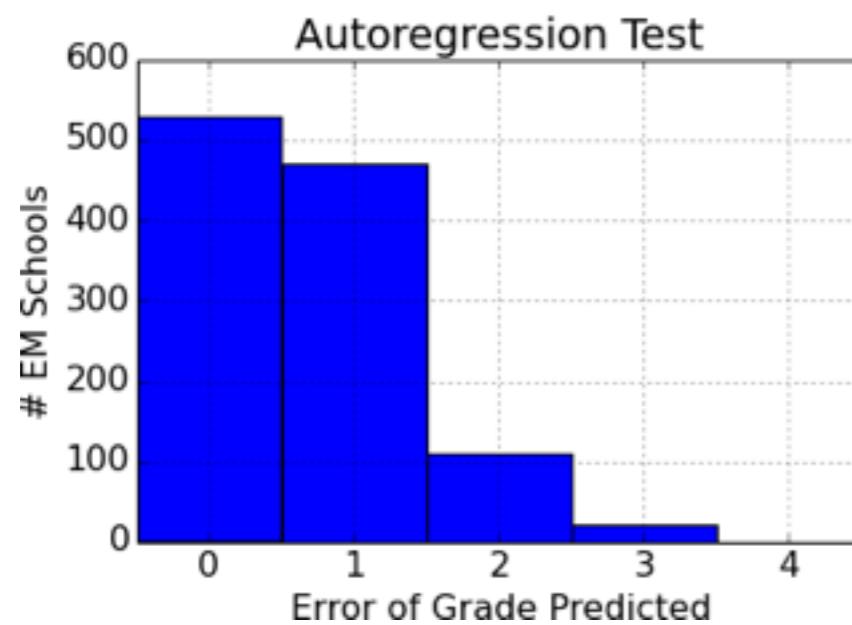
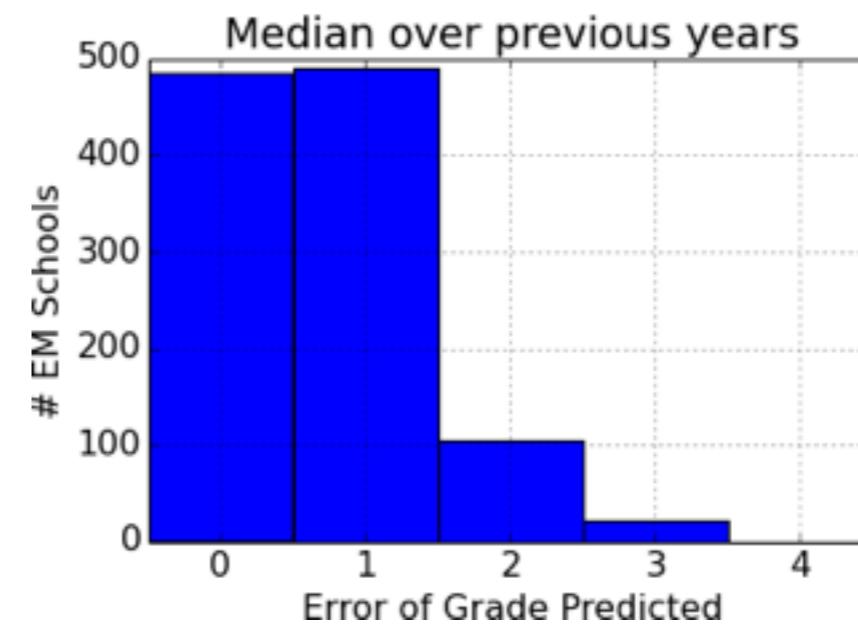
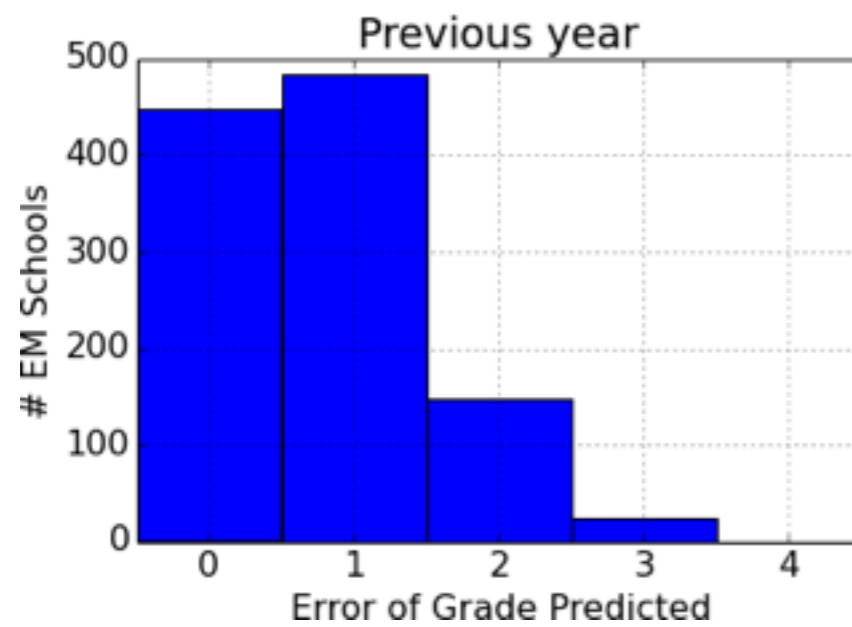
Prediction Performance



Prediction Performance



Prediction Performance



Anita Schmid

Physics & Systems Neuroscience
ETH Zurich, Switzerland
Weill Cornell Medical College, NYC



Data and Tools



**Department of
Education**

Carmen Farina, Chancellor

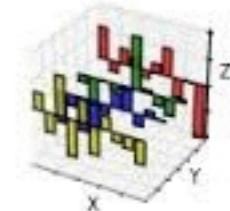
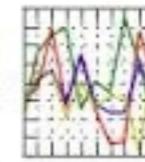
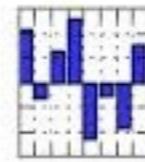


Flask

web development,
one drop at a time

pandas

$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



 **python**



 **Bootstrap**

Scores not stable

Overall Score underlying Grade evolved over years:

