

# ANALYSIS OF SAT SCORES IN NEW YORK CITY HIGH SCHOOLS

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# BUSINESS PROBLEM

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**The purpose of this analysis is to determine the top 5 high schools with the highest scholastic aptitude test scores in each New York City borough**

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**The intended audience for the analysis are parents of soon-to-be or current high school students to provide guidance in determining the best high school or see if their current high school is a top SAT performer**

# | DATA

The data sets used for this analysis will be the New York City Department of Education 2011 School Survey data, Kaggle NYC Schools/SAT dataset and Foursquare API



# DESCRIPTIVE ANALYSIS



**Determine the highest average SAT scores for critical reading, writing and math across all high schools in New York City**

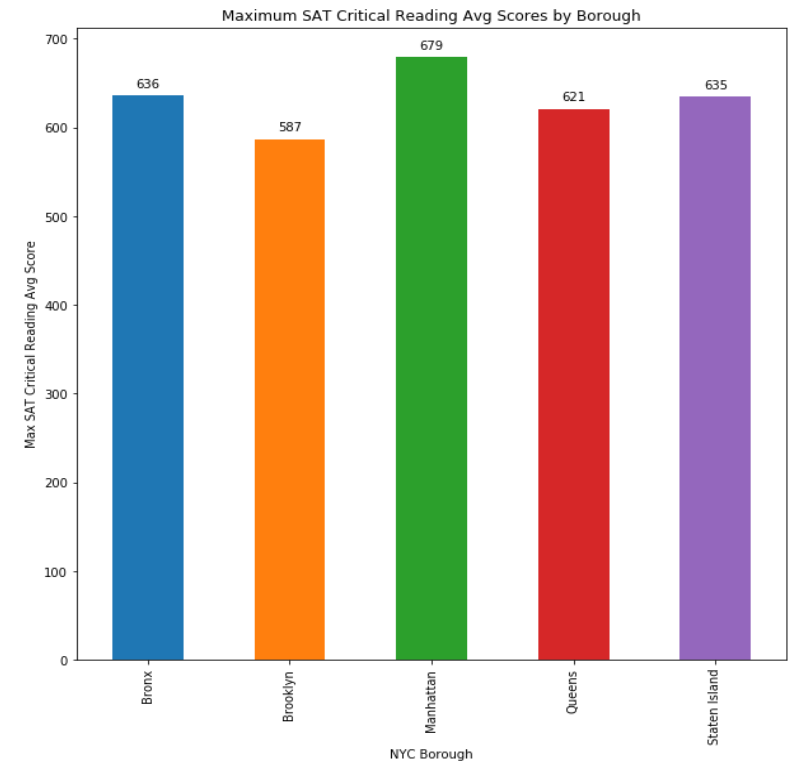
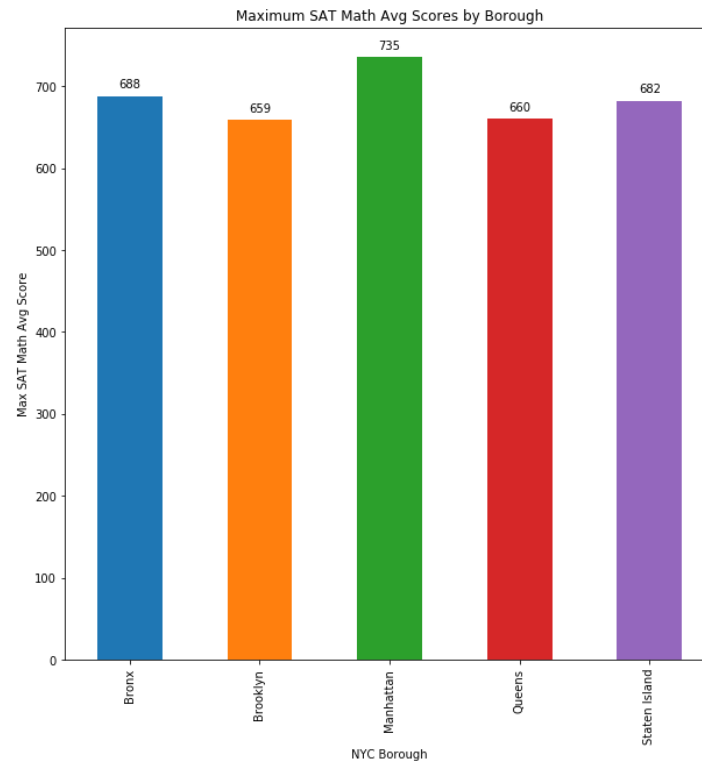
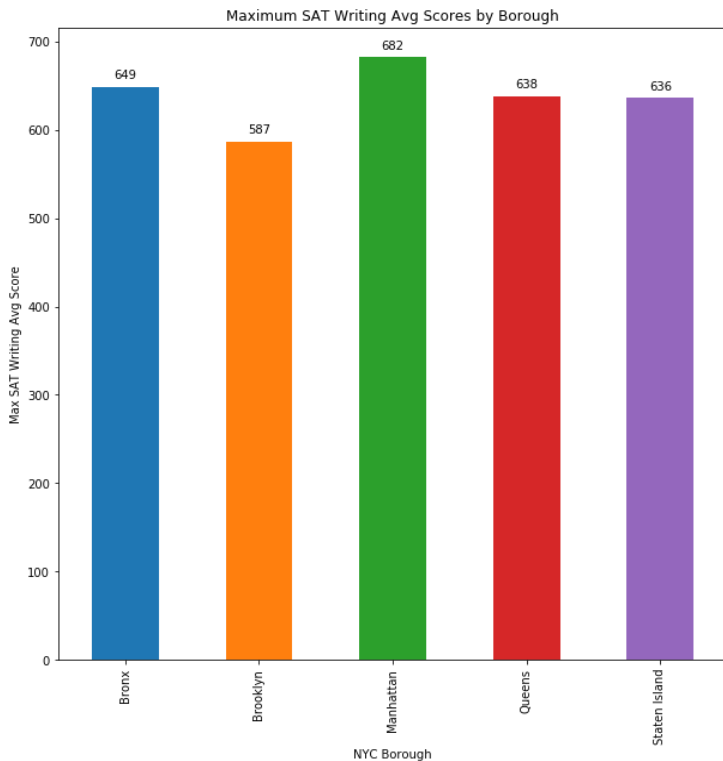


**Generate bar graph of maximum average SAT score of each category grouped by borough**



**Use Foursquare API to review information about highest average scoring SAT high school in New York City**

# BAR GRAPH COMPARISON OF SAT SCORES



**As shown in the bar graphs, the top performing high schools in all the SAT categories are in Manhattan**

# RESULTS OF HIGHEST SAT AVERAGE SCORES

	Stuyvesant High School
Critical Reading	679
Writing	682
Math	735

**There was one high school that had the highest average SAT scores in all categories, Stuyvesant High School**



# FOURSQUARE INFORMATION ON STUYVESANT HIGH SCHOOL

## DESCRIPTION:

**Stuyvesant High School has been a symbol of excellence in education for over a century. Our mission is to continue and enhance that commitment by providing an environment which will nurture and enhance the special academic talents of the students admitted to Stuyvesant.**



# RESULTS OF HIGHEST SAT AVERAGE SCORES - BRONX

	High School of American Studies at Lehman College	Bronx High School of Science
Critical Reading	636	
Writing		649
Math		688



RESULTS OF  
HIGHEST SAT  
AVERAGE  
SCORES -  
BROOKLYN

	Brooklyn Technical High School
Critical Reading	587
Writing	587
Math	659

# RESULTS OF HIGHEST SAT AVERAGE SCORES - QUEENS

	Townsend Harris High School	Queens High School for the Sciences at York College
<b>Critical Reading</b>	<b>621</b>	
<b>Writing</b>	<b>638</b>	
<b>Math</b>		<b>660</b>

RESULTS OF  
HIGHEST SAT  
AVERAGE  
SCORES —  
STATEN ISLAND

	Staten Island Technical High School
<b>Critical Reading</b>	<b>635</b>
<b>Writing</b>	<b>636</b>
<b>Math</b>	<b>682</b>

# CONCLUSION

- ❖ **Manhattan had the top performing high school, Stuyvesant High School, in all three SAT categories**
- ❖ **Brooklyn had the lowest average scoring high school in all three SAT categories**
- ❖ **Three out of the five boroughs - Manhattan, Brooklyn and Staten Island - had the same high school as the top performer in all the SAT categories**
- ❖ **Staten Island was the only borough whose top performing high school outperformed the second highest performing high school**