

Every year, American high school students take SATs, which are standardized tests intended to measure literacy, numeracy, and writing skills. There are three sections - reading, math, and writing, each with a **maximum score of 800 points**. These tests are extremely important for students and colleges, as they play a pivotal role in the admissions process. Analyzing the performance of schools is important for a variety of stakeholders, including policy and education professionals, researchers, government, and even parents considering which school their children should attend.

...	↑↓	school_name	...	↑↓	b	...	↑↓	buildin...	...	↑↓	aver...	...	↑↓	average_r...	...	↑↓	average_...	...	↑↓	percent...	...	↑↓
0		New Explorations into Science, Technology a...			Manhattan	M022					657			601			601					
1		Essex Street Academy			Manhattan	M445					395			411			387			78.9		
2		Lower Manhattan Arts Academy			Manhattan	M445					418			428			415			65.1		
3		High School for Dual Language and Asian St...			Manhattan	M445					613			453			463			95.9		
4		Henry Street School for International Studies			Manhattan	M056					410			406			381			59.7		

Rows: 5 ↗ Expand

Below are the Schools whose average_math score is equal or above 640, which is more than 80 percent of the total 800 marks and then have been ordered in descending order in other table.

...	↑↓	school_name	...	↑↓	borough	...	↑↓	buildin...	...	↑↓	aver...	...	↑↓	average_r...	...	↑↓	average_...	...	↑↓	percent...	...	
0		New Explorations into Science, Technology a...			Manhattan	M022					657			601			601					
45		Eleanor Roosevelt High School			Manhattan	M855					641			617			631					
68		High School for Mathematics, Science, and E...			Manhattan	M812					683			610			596					
88		Stuyvesant High School			Manhattan	M477					754			697			693					
93		Staten Island Technical High School			Staten Island	R440					711			660			670					
170		Bronx High School of Science			Bronx	X445					714			660			667					
174		High School of American Studies at Lehman ...			Bronx	X905					669			672			672					
280		Brooklyn Technical High School			Brooklyn	K430					682			608			606					
333		Townsend Harris High School			Queens	Q515					680			640			661					
365		Queens High School for the Sciences at York ...			Queens	Q774					701			621			625					

Rows: 10 ↗ Expand

in...	...	↑↓	school_name	...	↑↓	borough	...	↑↓	average_math	...	↑↓	
88	Stuyvesant High School			Manhattan					754			▲
170	Bronx High School of Science			Bronx					714			▼
93	Staten Island Technical High School			Staten Island					711			
365	Queens High School for the Sciences at York College			Queens					701			
68	High School for Mathematics, Science, and Engineering at City College			Manhattan					683			
280	Brooklyn Technical High School			Brooklyn					682			
333	Townsend Harris High School			Queens					680			
174	High School of American Studies at Lehman College			Bronx					669			
0	New Explorations into Science, Technology and Math High School			Manhattan					657			
45	Eleanor Roosevelt High School			Manhattan					641			
5	Bard High School Early College			Manhattan					634			
213	Baccalaureate School for Global Education			Queens					633			
204	Bard High School Early College Queens			Queens					631			
237	Brooklyn Latin School			Brooklyn					625			
3	High School for Dual Language and Asian Studies			Manhattan					613			
26	NYC Lab School for Collaborative Studies			Manhattan					595			▼

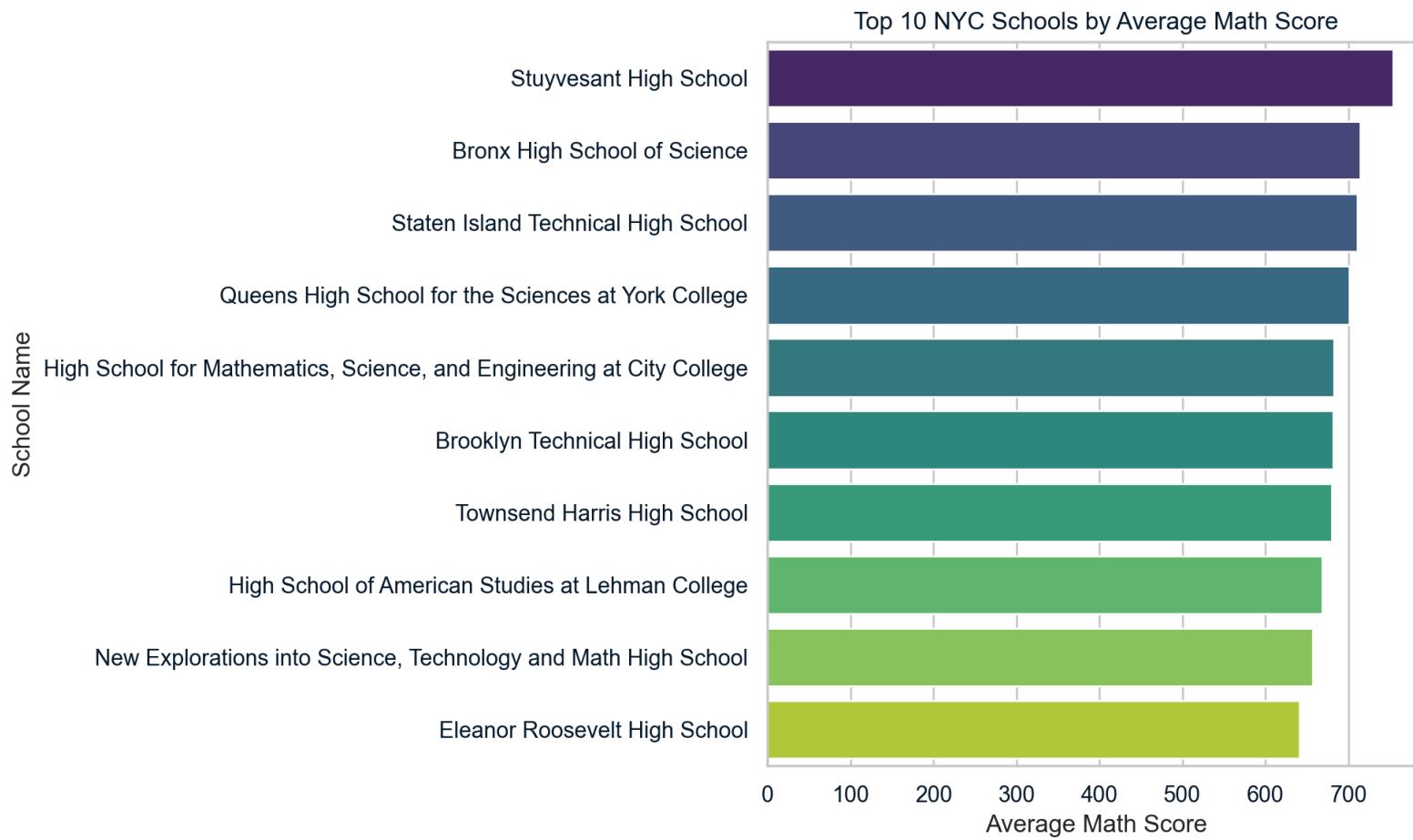
Rows: 375

Expand

index	...	↑↓	school_name	...	↑↓	average_math	...	↑↓	
0	Stuyvesant High School					754			
1	Bronx High School of Science					714			
2	Staten Island Technical High School					711			
3	Queens High School for the Sciences at York College					701			
4	High School for Mathematics, Science, and Engineering at City College					683			
5	Brooklyn Technical High School					682			
6	Townsend Harris High School					680			
7	High School of American Studies at Lehman College					669			
8	New Explorations into Science, Technology and Math High School					657			
9	Eleanor Roosevelt High School					641			

Rows: 10

Expand



Insight: The schools listed above have the highest average math scores in NYC. These schools demonstrate exceptional performance in mathematics compared to their peers. The top-ranked school(s) stand out with the highest average math scores, indicating strong math programs or student achievement in these institutions.

...	↑↓	school_name	...	↑↓	b	...	↑↓	buildin...	...	↑↓	aver...	...	↑↓	average_r...	...	↑↓	average_...	...	↑↓	percent...	...	↑↓
0		New Explorations into Science, Technology a...			Manhattan	M022					657			601			601					
1		Essex Street Academy			Manhattan	M445					395			411			387			78.9		
2		Lower Manhattan Arts Academy			Manhattan	M445					418			428			415			65.1		
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4		Henry Street School for International Studies			Manhattan	M056					410			406			381			59.7		

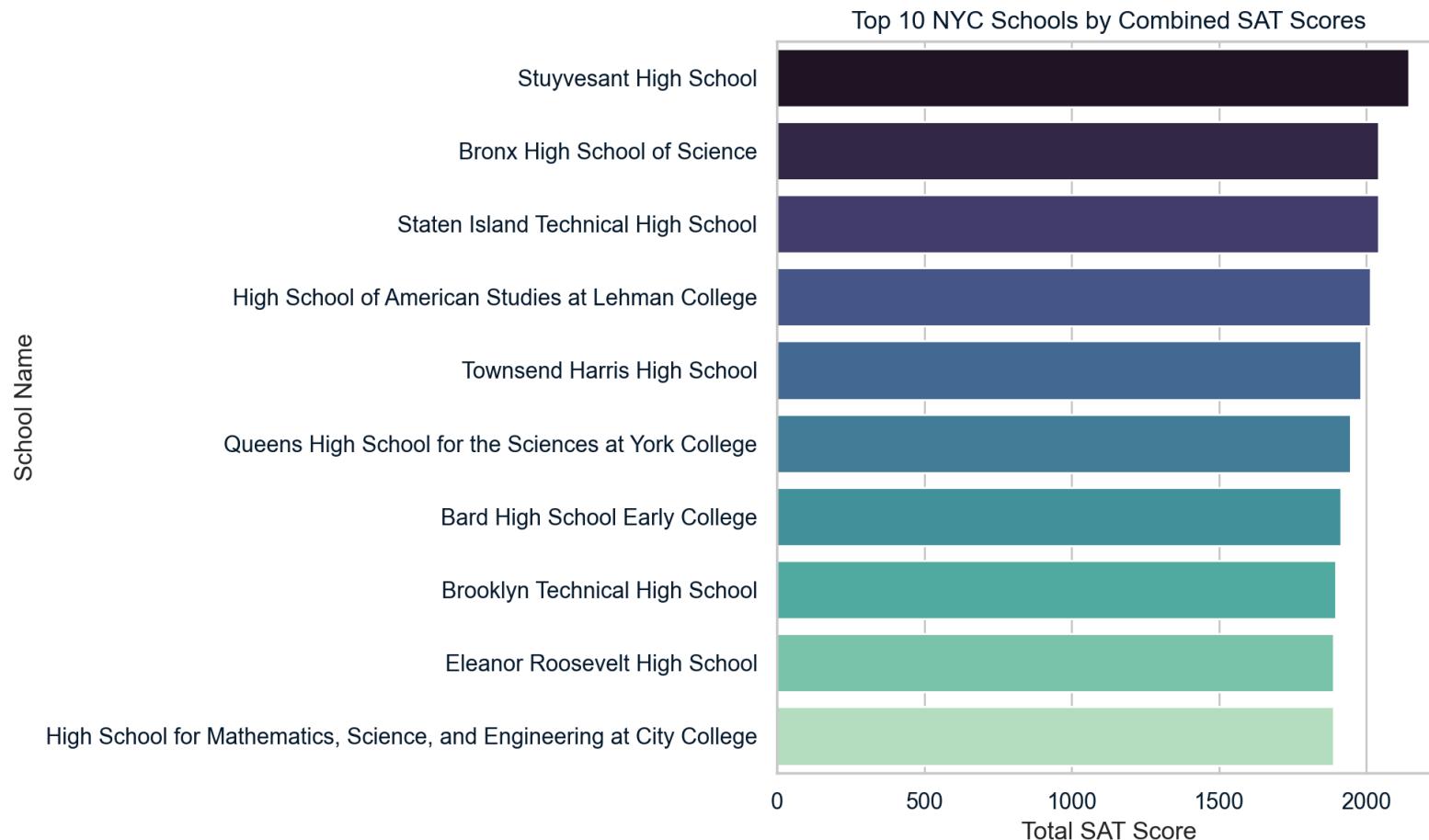
Rows: 5

Expand

...	↑↓	school_name	...	↑↓	t..	...	↑↓															
0		Stuyvesant High School				2144																
1		Bronx High School of Science				2041																
2		Staten Island Technical High School				2041																
3		High School of American Studies at Lehman ...				2013																
4		Townsend Harris High School				1981																
5		Queens High School for the Sciences at York ...				1947																
6		Bard High School Early College				1914																
7		Brooklyn Technical High School				1896																
8		Eleanor Roosevelt High School				1889																
9		High School for Mathematics, Science, and E...				1889																

Rows: 10

Expand



Hence above graph indicates that the top school that performs well based on SAT scores is Steyvesant High School in NYC.

...	↑↓	b	...	↑↓	nu...	...	↑↓	av...	...	↑↓	...	↑↓
0		Manhattan			89			1340.13			230.29	

Rows: 1 ↗ Expand

The Borough with the highest Standard Deviation (Performance gap among its Schools) is Manhattan, with 89 schools and a Standard Deviation of 230, showing a huge performance gap among its students.