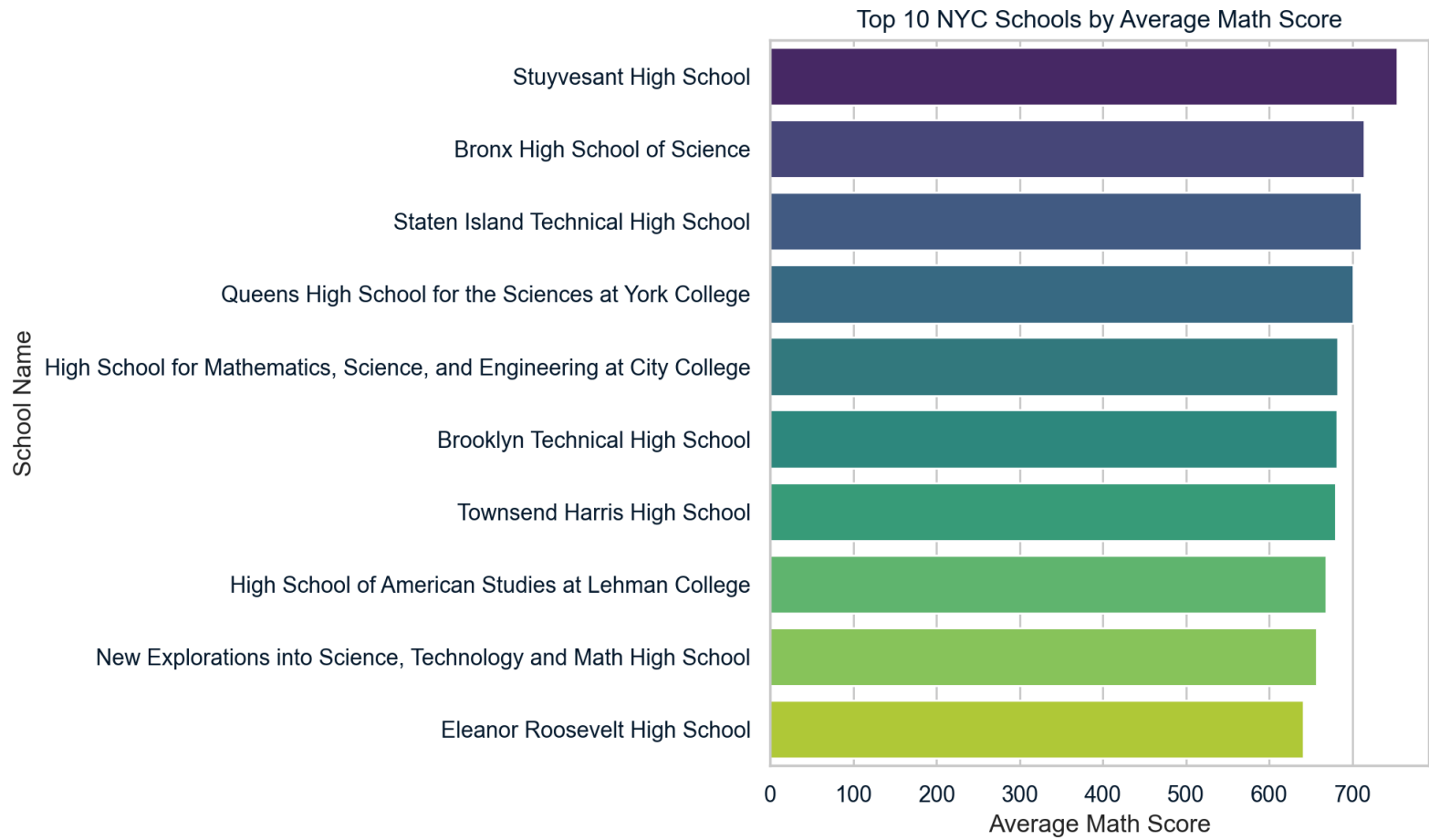


Every year, American high school students take SATs, which are standardized tests intended to measure literacy, numeracy, and writing skills. There are three sections - reading, math, and writing, each with a **maximum score of 800 points**. These tests are extremely important for students and colleges, 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				
<div>◀ <div></div> ▶</div>																					
Rows: 10 <div>🔗 Expand</div>																					



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.

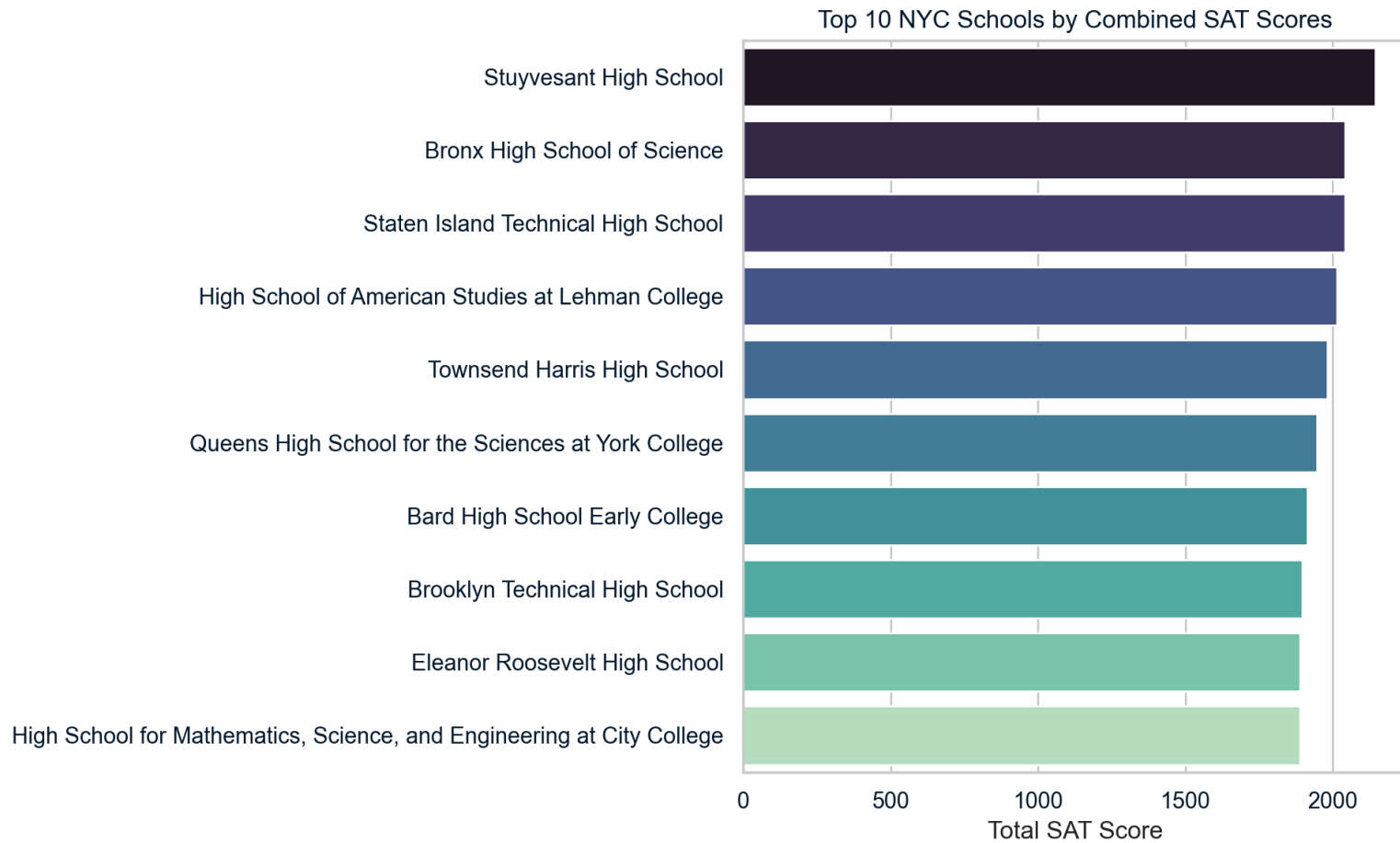
...	↑↓	school_name	...	↑↓	b	...	↑↓	buildin...	...	↑↓	aver...	...	↑↓	average_r...	...	↑↓	average_...	...	↑↓	percent...	...	↑↓
	0	New Explorations into Science, Technology a...			Manhattan			M022			657			601			601					
	1	Essex Street Academy			Manhattan			M445			395			411			387					78.9
	2	Lower Manhattan Arts Academy			Manhattan			M445			418			428			415					65.1
	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
<div>◀</div> <div></div> <div>▶</div>																						
Rows: 5 <div>↗ Expand</div>																						

...	↑↓	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

School Name



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.