

## EXPLORING NYC PUBLIC SCHOOL TEST RESULT SCORES

Which single borough has the largest standard deviation in the combined SAT score?

- Save your results as a pandas DataFrame called `largest_std_dev`.
- The DataFrame should contain one row, with:
  - `"borough"` - the name of the NYC borough with the largest standard deviation of `"total_SAT"`.
  - `"num_schools"` - the number of schools in the borough.
  - `"average_SAT"` - the mean of `"total_SAT"`.
  - `"std_SAT"` - the standard deviation of `"total_SAT"`.
- Round all numeric values to two decimal places.

## Project Instructions

Which NYC schools have the best math results?

- The best math results are at least 80% of the **\*maximum possible score of 800\*** for math.
- Save your results in a pandas DataFrame called `best_math_schools` , including `"school_name"` and `"average_math"` columns, sorted by `"average_math"` in descending order.

What are the top 10 performing schools based on the combined SAT scores?

- Save your results as a pandas DataFrame called `top_10_schools` containing the `"school_name"` and a new column named `"total_SAT"` , with results ordered by `"total_SAT"` in descending order.

	school_name	average_math
88	Stuyvesant High School	754
170	Bronx High School of Science	714
93	Staten Island Technical High School	711
365	Queens High School for the Sciences at York Co...	701
68	High School for Mathematics, Science, and Engi...	683
280	Brooklyn Technical High School	682
333	Townsend Harris High School	680
174	High School of American Studies at Lehman College	669
0	New Explorations into Science, Technology and ...	657
45	Eleanor Roosevelt High School	641

  

	school_name	total_SAT
88	Stuyvesant High School	2144
170	Bronx High School of Science	2041
93	Staten Island Technical High School	2041
174	High School of American Studies at Lehman College	2013
333	Townsend Harris High School	1981
365	Queens High School for the Sciences at York Co...	1947
5	Bard High School Early College	1914
280	Brooklyn Technical High School	1896
45	Eleanor Roosevelt High School	1889
68	High School for Mathematics, Science, and Engi...	1889

  

	borough	num_schools	average_SAT	std_SAT
0	Manhattan	89	1340.13	230.29