



*Discovering best school
district

Discovering best school district is important for families

- * Every family desires a good quality of education for their children
- * The families want to have good schools around their neighbourhood.
- * Which neighbourhoods in Toronto are surrounded by good schools?

Data acquisition and cleaning

- * List of neighbourhoods in Toronto; Wikipedia
- * Schools around the neighbourhoods ; Foursquare
- * The scores of schools : Fraserinstitute
- * In total, 980 rows and 23 features in the raw dataset.
- * Cleaned data contains 2 features.

Postal Codes and the neighbourhoods of Toronto

	PostalCode	Borough	Neighbourhood	Latitude	Longitude
0	M4E	EastToronto	The Beaches	43.676357	-79.293031
1	M4K	EastToronto	The Danforth West,Riverdale	43.679557	-79.352188
2	M4L	EastToronto	The Beaches West,India Bazaar	43.668999	-79.315572
3	M4M	EastToronto	Studio District	43.659526	-79.340923
4	M4N	CentralToronto	Lawrence Park	43.728020	-79.388790
5	M4P	CentralToronto	Davisville North	43.712751	-79.390197
6	M4R	CentralToronto	North Toronto West	43.715383	-79.405678
7	M4S	CentralToronto	Davisville	43.704324	-79.388790
8	M4T	CentralToronto	Moore Park,Summerhill East	43.689574	-79.383160
9	M4V	CentralToronto	Deer Park,Forest Hill SE,Rathnelly,South Hill,...	43.686412	-79.400049
10	M4W	DowntownToronto	Rosedale	43.679563	-79.377529
11	M4X	DowntownToronto	Cabbagetown,St. James Town	43.667967	-79.367675
12	M4Y	DowntownToronto	Church and Wellesley	43.665860	-79.383160
13	M5A	DowntownToronto	Harbourfront	43.654260	-79.360636
14	M5R	DowntownToronto	Riverside Garden District	43.657162	-79.378937

Visualization of the neighbourhoods of Toronto



The list of schools around each neighbourhoods by Foursquare API

	neighborhood	name
12	The Beaches	Kimberley School Playground
13	The Beaches	Beach Dance School
14	The Beaches	Kimberley School
15	The Beaches	Toronto Norway YMCA Before & After School Program
16	The Beaches	Neil McNeil Catholic High School
17	The Beaches	Beaches Alternative School
18	The Danforth West,Riverdale	Jackman Avenue Public School Junior
19	The Danforth West,Riverdale	Children's Art Theatre School
20	The Danforth West,Riverdale	Frankland Community School Jr
21	The Danforth West,Riverdale	Bluebird Montessori School
22	The Danforth West,Riverdale	Westwood Middle School
23	The Danforth West,Riverdale	chester elementary school
24	The Danforth West,Riverdale	The Miraculous Bench Writing School and Retreat
25	The Danforth West,Riverdale	Holy Name Catholic School
26	The Danforth West,Riverdale	Degrassi High School
27	The Danforth West,Riverdale	AMB Driving School
28	The Danforth West,Riverdale	Ryan's Lemon Cutting School
29	The Danforth West,Riverdale	Montcrest School
...
50	Studio District	DeGrassi High
51	Studio District	Warehouse 13 Studio
52	Studio District	Felix's Swim Schools

The scores of the schools in Toronto

	name	score
0	Alexander Muir Elementary School	7.5
1	Annette Street Public School	5.6
2	Annette St School	5.6
3	Balmy Beach School	7.6
4	Bedford Park Public School	8.6
5	Bowmore Public School	5.4
6	Brown Jr Public School	7.5
7	bruce junior public school	6.2
8	Church Street Public School	4.7
9	Church Street Junior Public School	4.7

Merge two tables to get the final table

	neighborhood	name	score
0	Adelaide,King,Richmond	Ogden Junior Public School	6.2
1	Adelaide,King,Richmond	St Michaels Choir School	9.6
2	Berczy Park	Marketlane School	5.4
3	Brockton,Exhibition Place,Parkdale Village	Alexander Muir Elementary School	7.5
4	Brockton,Exhibition Place,Parkdale Village	Queen Victoria Public School	5.4
5	Brockton,Exhibition Place,Parkdale Village	Shirley Street Public School	6.3
6	Brockton,Exhibition Place,Parkdale Village	Parkdale Public School	2.8
7	Business Reply Mail Processing Centre 969 Eastern	Leslieville Junior Public School	5.1
8	Business Reply Mail Processing Centre 969 Eastern	bruce junior public school	6.2
9	Business Reply Mail Processing Centre 969 Eastern	St. Joseph's Catholic School	7.7
10	CN Tower,Bathurst Quay,Island airport,Harbourf...	The Waterfront School	7.9
11	Cabbagetown,St. James Town	Nelson Mandela Public School	3.3
12	Cabbagetown,St. James Town	Nelson Mandela Public School	5.4
13	Cabbagetown,St. James Town	Church Street Public School	4.7
14	Cabbagetown,St. James Town	Lord Dufferin Public School	6.3

The mean of the scores

- * After taking the average of the school scores around each neighbourhood, we get the best neighbourhoods.

	neighborhood	score
0	St. James Town	9.600000
1	Rosedale	8.925000
2	Moore Park,Summerhill East	8.850000
3	Lawrence Park	8.600000
4	Deer Park,Forest Hill SE,Rathnelly,South Hill,...	8.233333
5	Davisville	7.950000
6	The Danforth West,Riverdale	7.925000
7	Commerce Court,Victoria Hotel	7.900000
8	First Canadian Place,Underground city	7.900000
9	Design Exchange,Toronto Dominion Centre	7.900000

- * The best neighbourhood is St James Town.



* Predicting NBA player improvement