

Geocoding by Street Address in BatchGeo

A shapefile includes a .dbf (database) file. You can create your own Shapefile in a GIS program by simply adding your table and converting it into a Shapefile. However, to do so, you must have the latitude and longitude coordinates supplied in the table. Most of us don't know this information, therefore we need to use a geocoding program that will take geographical information and supply it with its corresponding coordinates. There are several programs that will do this. Many are costly, but one in particular is a free, user-friendly online tool called BatchGeo. It is important to note that the updated version of BatchGeo only supplies the user with their locations' coordinates embedded into a KML file.

In order to successfully and accurately geocode a record by street address or postal code in *BatchGeo*, the record must include geographic information such as the street name and number, the city, province or postal codes in separate columns.

BatchGeo will take a copy of your table created in a database program such as Excel or Access, process the information, and export a Google Map with place markers indicating the locations. The latitude and longitude turns a simple table into a geospatial record and in a GIS program will display each row as a point.

1. Open the following web page: <http://batchgeo.com/>

The screenshot shows the BatchGeo website with the following elements:

- Header:** batchgeo logo with the tagline "Mapping should be this easy". Navigation links: make maps, features, pro pricing, mobile, support, blog. A "pro sign-in" link is also present.
- Main Content Area:**
 - Instruction: "Paste your location data below to generate a map:"
 - Table with example data:

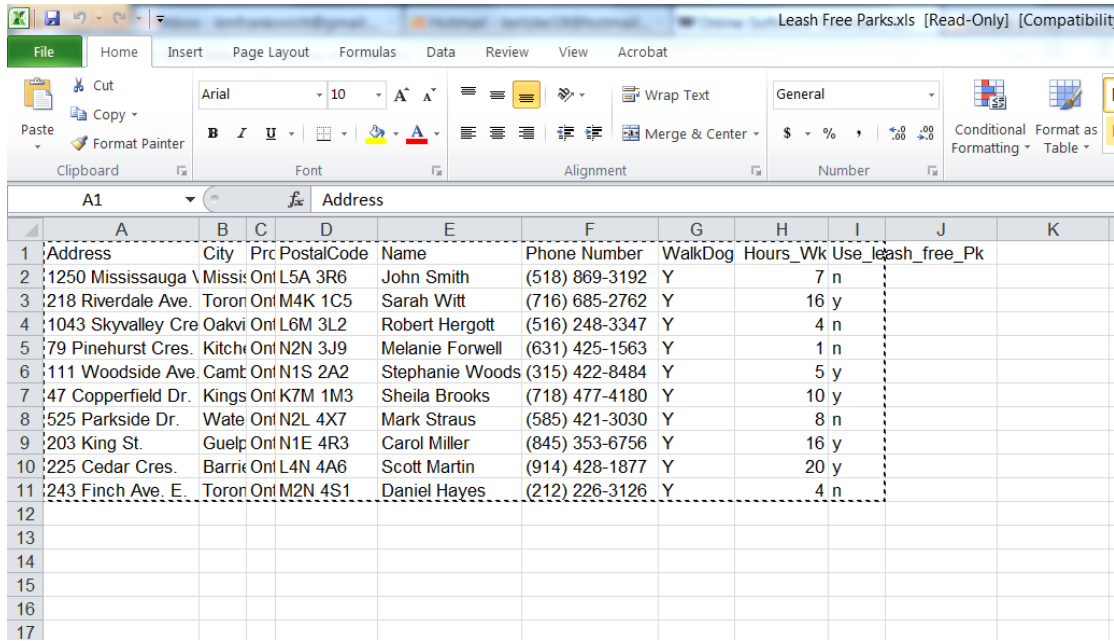
Example Address	Name	Phone	Group	URL
1 Crossgates Mall Road, Albany, N.Y.	Cross Gates	(518) 869-3192	Example Group 1	apple.com/retail/crossgates/
Duke Rd & Walden Ave, Buffalo, NY	Walden Galleria	(716) 685-2762	Example Group 2	apple.com/retail/walden/
630 Old Country Rd., Garden City, ...	Roosevelt Field	(516) 248-3347	Example Group 3	apple.com/retail/rooseveltfield/
160 Walt Whitman Rd., Huntington ...	Walt Whitman	(631) 425-1563	Example Group 3	apple.com/retail/waltwhitman/

(Don't forget to include some header columns - You can also try our [Spreadsheet Template](#), or hit "Map Now" and try it out with our example data.)

Buttons: "Validate & Set Options" and "Map Now"
- Footer/Related Content:**
 - "Used or Featured by" section with logos for theguardian, The Washington Post, msnbc, CBS NEWS, CNN Sports Illustrated, lifehacker, and appstorm.
 - "Mobile Maps" section: "We have native and cross platform apps for many GPS enabled mobile phones and tablets including:"
 - iPhone and iPad
 - Android
 - Blackberry
 - Windows Phone 7
 - "Map examples" link.
 - "How to use BatchGeo:" section with a numbered list (1) "Copy information from a table of data".
 - "Go pro:" section with the batchgeo pro logo.

2. Open Your Tutorial Package

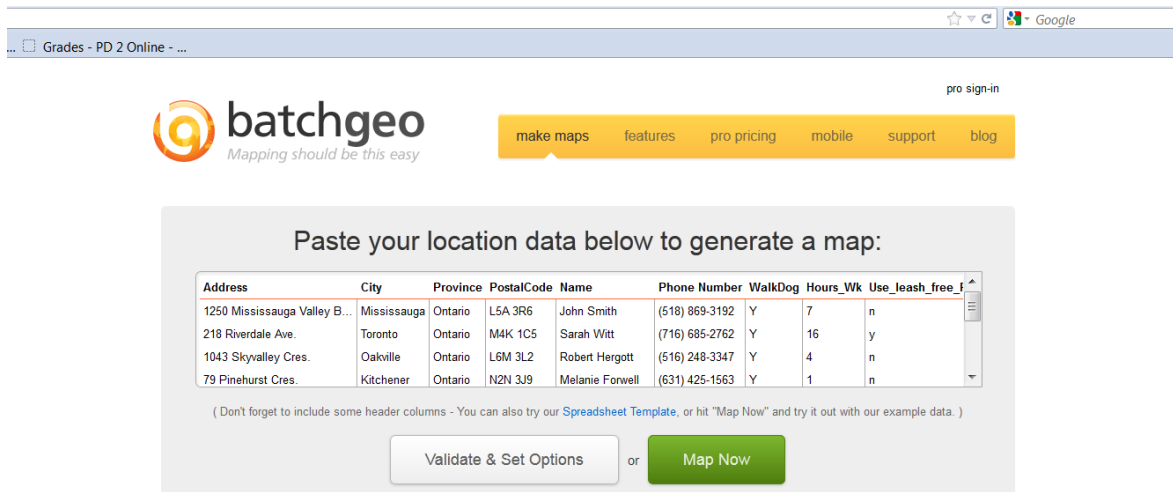
There is a .xls file in your tutorial package called 'Leash Free Parks'. It is the imaginary results of a survey taken by dog owners. Plotting the locations of the dog owners will show us whether they are in close proximity to leash-free parks. This information may help explain some of the survey results. Open the folder (it should open by default in Excel).



	A	B	C	D	E	F	G	H	I	J	K
	Address	City	Prv	PostalCode	Name	Phone Number	WalkDog	Hours_Wk	Use_leash_free_Pk		
2	1250 Mississauga Valley B...	Mississauga	Ontario	L5A 3R6	John Smith	(518) 869-3192	Y	7	n		
3	218 Riverdale Ave.	Toronto	Ontario	M4K 1C5	Sarah Witt	(716) 685-2762	Y	16	y		
4	1043 Skyvalley Cres.	Oakville	Ontario	L6M 3L2	Robert Hergott	(516) 248-3347	Y	4	n		
5	79 Pinehurst Cres.	Kitchener	Ontario	N2N 3J9	Melanie Forwell	(631) 425-1563	Y	1	n		
6	111 Woodside Ave.	Cambridge	Ontario	N1S 2A2	Stephanie Woods	(315) 422-8484	Y	5	y		
7	47 Copperfield Dr.	Kingsville	Ontario	K7M 1M3	Sheila Brooks	(718) 477-4180	Y	10	y		
8	525 Parkside Dr.	Waterloo	Ontario	N2L 4X7	Mark Straus	(585) 421-3030	Y	8	n		
9	203 King St.	Guelp	Ontario	N1E 4R3	Carol Miller	(845) 353-6756	Y	16	y		
10	225 Cedar Cres.	Barrie	Ontario	L4N 4A6	Scott Martin	(914) 428-1877	Y	20	y		
11	243 Finch Ave. E.	Toronto	Ontario	M2N 4S1	Daniel Hayes	(212) 226-3126	Y	4	n		
12											
13											
14											
15											
16											
17											

3. Validate the Source

Select and Copy the records in your table and paste them into the empty space in the batchgeo. Click on *Validate and Set Options*.



batchgeo
Mapping should be this easy

make maps features pro pricing mobile support blog

Paste your location data below to generate a map:

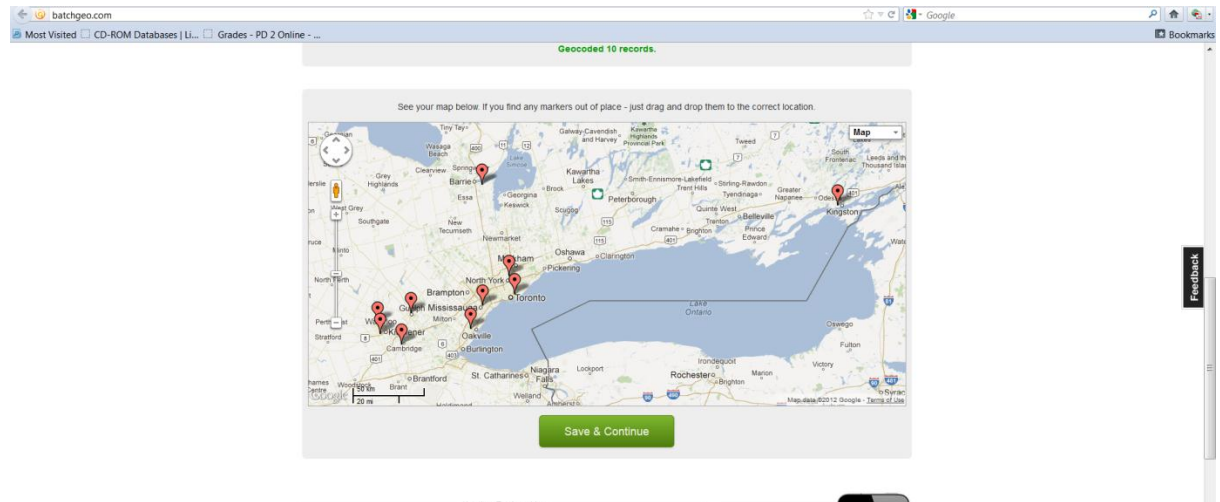
Address	City	Province	PostalCode	Name	Phone Number	WalkDog	Hours_Wk	Use_leash_free_Pk
1250 Mississauga Valley B...	Mississauga	Ontario	L5A 3R6	John Smith	(518) 869-3192	Y	7	n
218 Riverdale Ave.	Toronto	Ontario	M4K 1C5	Sarah Witt	(716) 685-2762	Y	16	y
1043 Skyvalley Cres.	Oakville	Ontario	L6M 3L2	Robert Hergott	(516) 248-3347	Y	4	n
79 Pinehurst Cres.	Kitchener	Ontario	N2N 3J9	Melanie Forwell	(631) 425-1563	Y	1	n

(Don't forget to include some header columns - You can also try our [Spreadsheet Template](#), or hit "Map Now" and try it out with our example data.)

Validate & Set Options or Map Now

4. Make Your Map

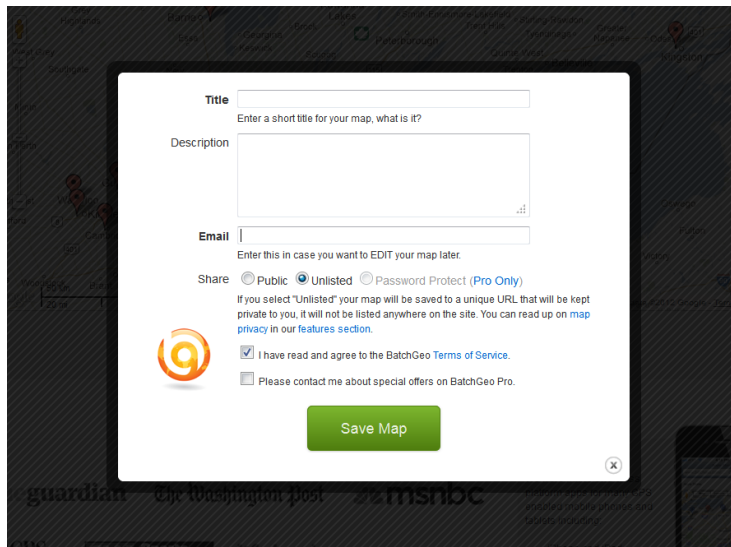
Once the data has been validated and all options are finalized, click *Make Google Map* which will generate a finalized map of the addresses.



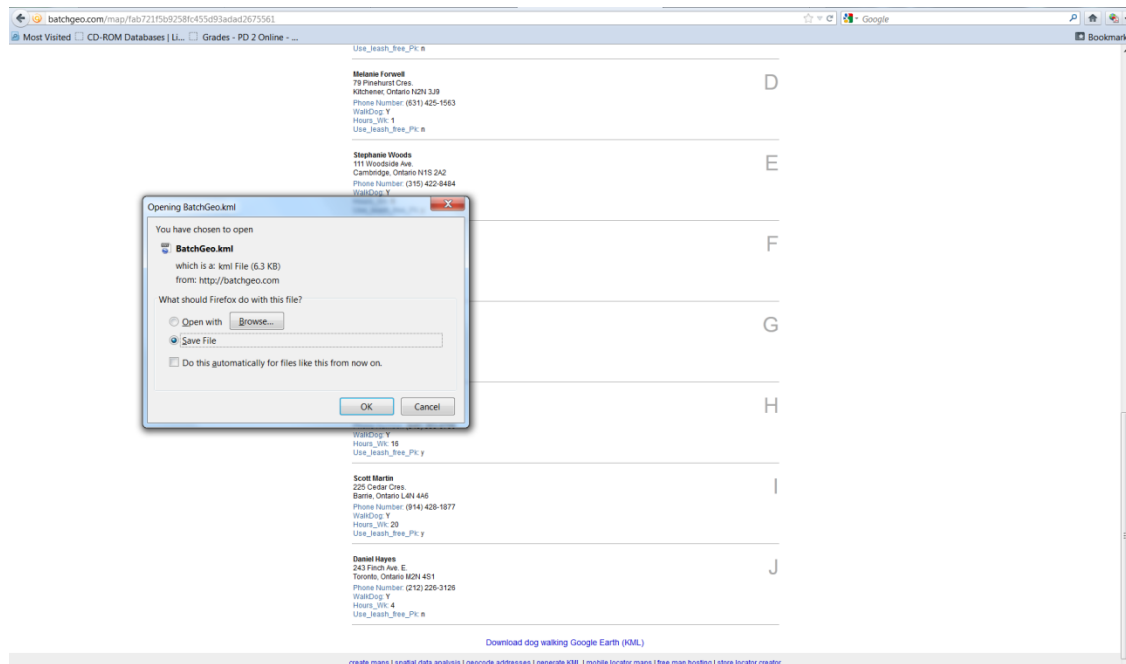
For Google Earth Use

5. Downloading KML Files

In order to use this information, you may generate a file that is read by Google Earth. To generate a .kml file, you must first *Save and Continue* your current map.

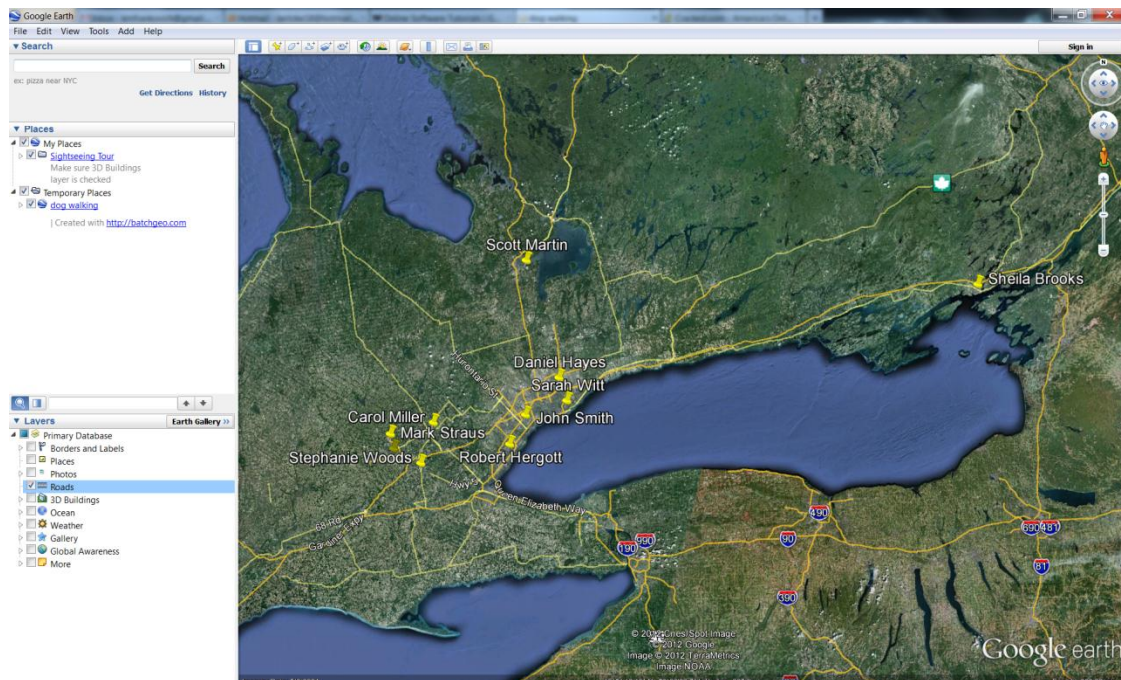


Scroll down to the bottom of the screen, and you will see the option to *Download Google Earth (KML)*. Click that, and save the file to your computer.



6. Viewing in Google Earth

To view your file in Google Earth, simply open the .kml from the File menu in Google Earth. You will immediately see your table displayed as points, georeferenced correctly and overlaid with Google's imagery.



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