Task: Finding the stations from PM25s.com

1. in the table: Join_table_Lex.xls see the column JOIN_OK = N (orange) for stations to search

2. find a station name to look for, for example Dongguan Zhushan

JoinTable_Lex_2015-08-26.ods - LibreOffice Calc

File Edit View Insert Format Tools Data Window Help

A219:AMJ223 dongying

	A	B	C	D	E	F	G	H	I
1	py_nm	hz_city	avg_city	hz_station	JOIN_OK	locationid	latitude	longitude	stationname
2	sanmenxia	三门峡	74	风景区	C		34.771506	111.206129	fengjingqu
3	shanghai	上海	100	十五厂	N				
4	dongguan	东莞	28	东城主山	N				
5	dongguan	东莞	28	莞城梨川	N				
6	dongying	东营	88	广南水库	N				
7	dongying	东营	88	西城阳光环保公司	N				
8	zhongshan	中山	21	张溪	N				
9	linan	临安	70	市政府	N				
10	linfen	临汾	53	临钢医院	N				
11	linfen	临汾	53	工商学校	N				
12	rushan	乳山	76	乳山市气象局	N				
13	rushan	乳山	76	乳山市环保局	N				
14	foshan	佛山	34	湾梁	N				

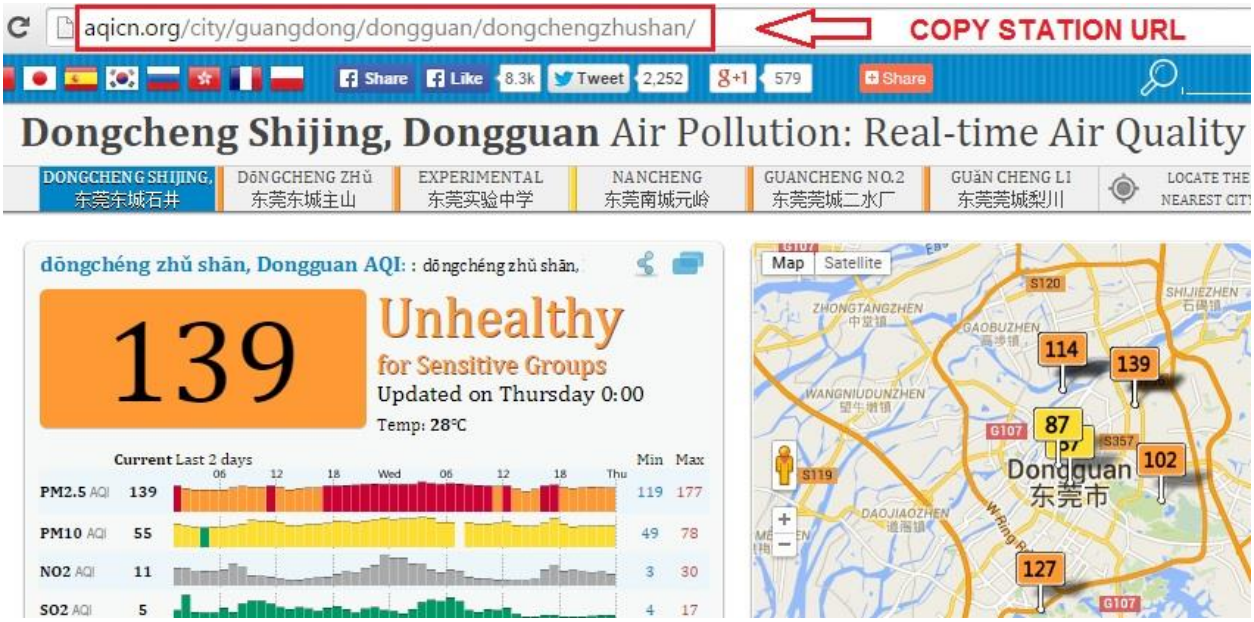
3. first look for other rows with same city name, py_na = dongguan and get the URL to check

	A	B	C	D	E	F	G	H	I	J	K	L
1	py_nm	hz_city	avg_city	hz_station	JOIN_OK	locationid	latitude	longitude	stationname	parentcity	sourceurl	
216	shanghai	上海	100	虹口	Y	41	31.298906	121.47155	Hongkou Liangcheng	shanghai	http://aqicn.org/city/	
217	shanghai	上海	100	青浦淀山湖	Y	40	31.091338	120.982293	Dianshan Lake	shanghai	http://aqicn.org/city/	
218	shanghai	上海	100	静安监测站	Y	42	31.224251	121.429637	Jingan	shanghai	http://aqicn.org/city/	
219	dongguan	东莞	28	东城石井	Y	75	23.010039	113.799529	Dongcheng Shijing, Dongguan	guangdong	http://aqicn.org/city/	
220	dongguan	东莞	28	南城元岭	Y	77	23.025058	113.751308	Nancheng Yuanling, Dongguan	guangdong	http://aqicn.org/city/	

URL

4. copy the URL for a dongguan station into a browser (Chrome, Firefox)

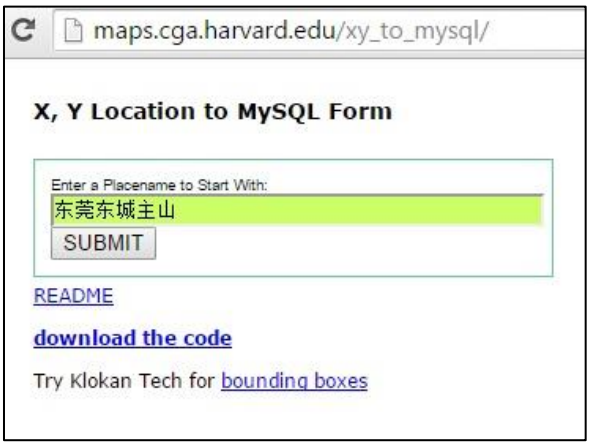
5. move the mouse around the map to see the names of each station in the popup windows. if you find that there IS a station called “dongcheng zhu shan” which is the one we are looking for, Click on the station icon and it should load the details on the left part of the window.



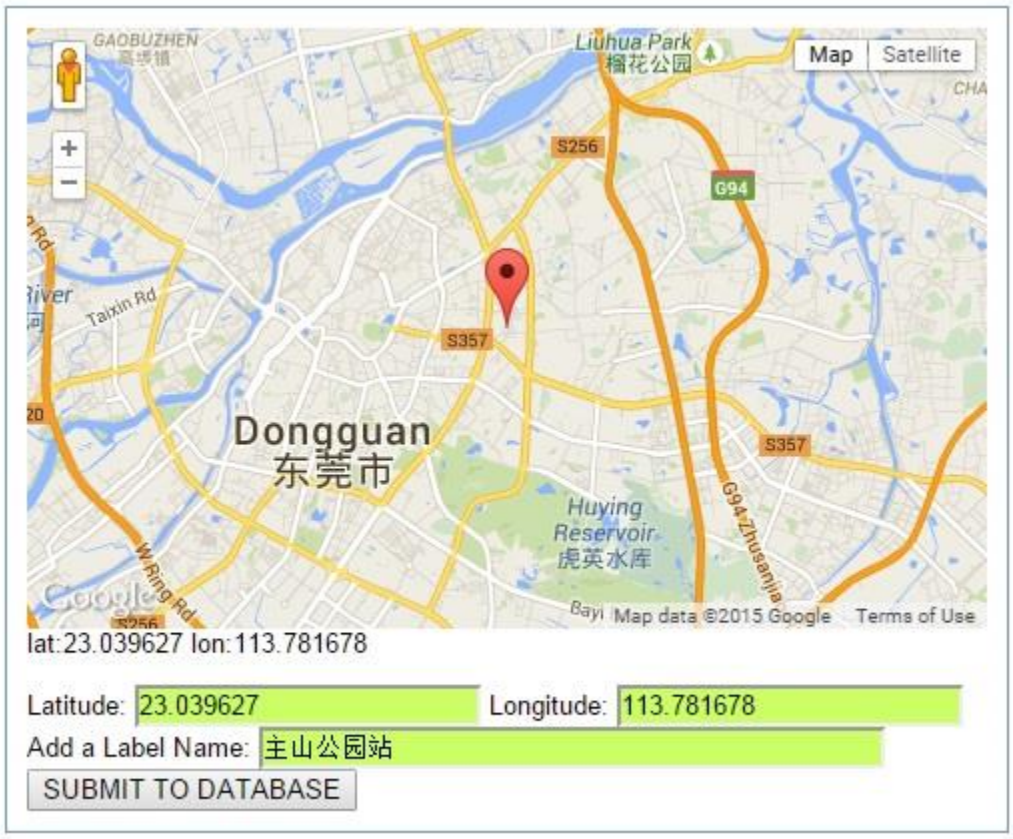
6. copy and paste the STATION URL for the correct station into the Join_table “source_url” field: http://aqicn.org/city/guangdong/dongguan/dongchengzhushan/

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	py_nm	hz_city	avg_city	hz_station	JOIN_OK	lo	latitude	longitude	stationname	parentcity	sourceurl				
2	sanmenxia	三门峡	74	风景区	C		34.771506	111.206129	fengjingqu	sanmenxia	http://aqicn.org/city/china/sanmenxia/fengjin				
3	shanghai	上海	100	十五厂	N										
4	dongguan	东莞	28	东城主山	N			PASTE STATION URL			http://aqicn.org/city/guangdong/dongguan/dong				
5	dongguan	东莞	28	莞城梨川	N										
6	dongying	东营	88	广南水库	N										

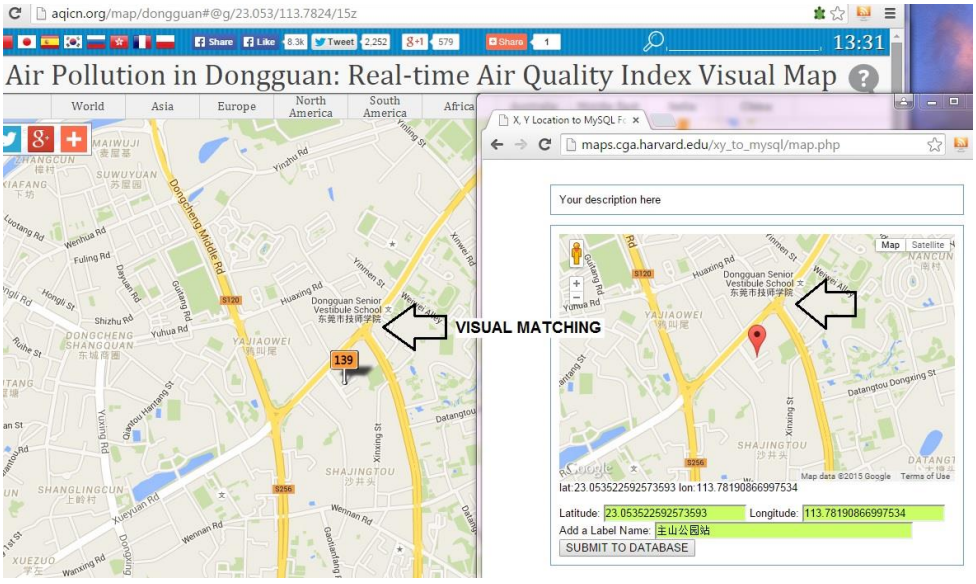
7. now we need to find the x, y coordinates of the station. first go back to the AQICN.org web page for the station, such as: http://aqicn.org/city/guangdong/dongguan/dongchengzhushan/ Open a NEW browser window to use an x,y finder tool, like this one: http://maps.cga.harvard.edu/xy_to_mysql/ type in the chinese name of the city+station name



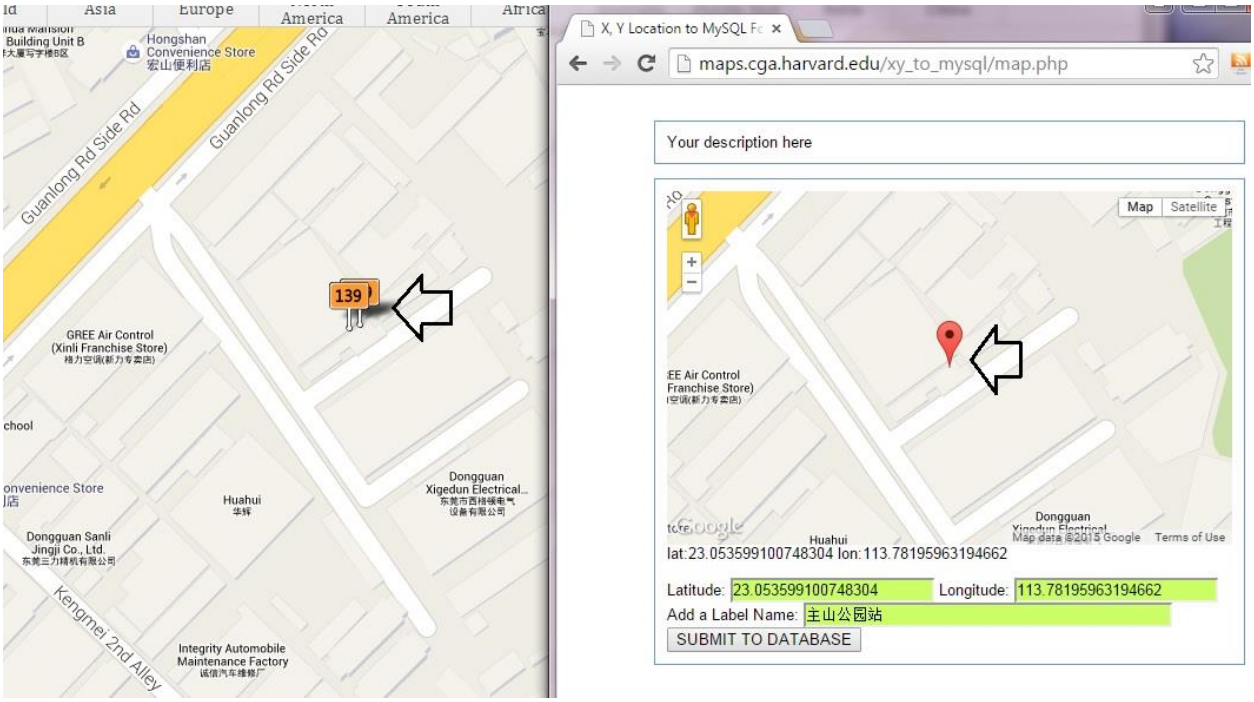
8. click SUBMIT and you will get a Google Map showing the location found. IF it is correct, zoom in and pan until the MARKER is about the same exact location as the AQICN.org marker. for example, looking up the name 东莞东城主山 finds this map



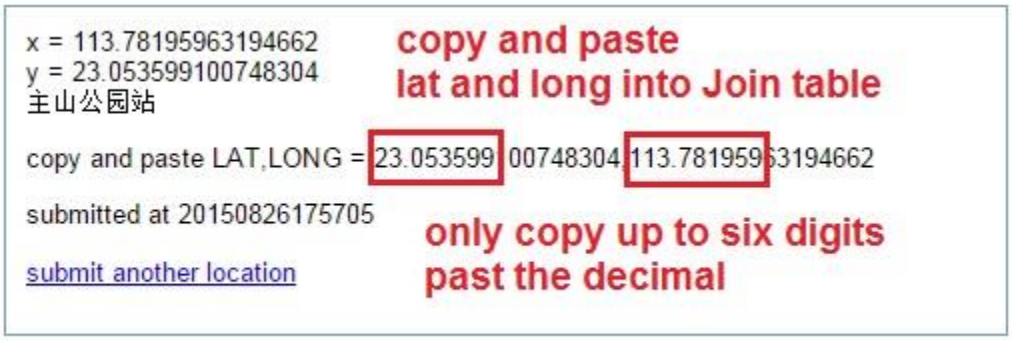
then after zooming in and panning, we can get closer to the exact location... by comparing the two maps in two different browser windows:



keep zooming in until you think you have the most accurate location using the xy finder tool



9. once zoomed in to the correct location, click SUBMIT TO DATABASE on the finder tool. you will see a line called: "copy and paste LAT, LONG" where you can now copy the values one at a time(Note: we only use six digits past the decimal)



and paste them into the Join_Table for the correct station "dongguan dongcheng zhu shan"

	py_nm	hz_city	avg_city	hz_station	JOIN_OK	lo	latitude	longitude	stationname
2	sanmenxia	三门峡	74	风景区	C		34.771506	111.206129	fengjingqu
3	shanghai	上海	100	十五厂	N				
4	dongguan	东莞	28	东城主山	N		23.053599	113.781959	
5	dongguan	东莞	28	莞城梨川	N				

10. then change the value in the JOIN_OK field to C = confirmed
11. SAVE the Table every time you paste something into it! no data is lost...
12. look up as many of the 200 rows marked N with orange background in the JOIN_OK field as you can. try not to spend more than 5 min each on them, just skip them if you can't find them...