

# Points in Polygon Analysis

QGIS Tutorials and Tips



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Translations by

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[illegible]

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GIS 0000 00000 00 000 0 000 0000. 000 000 0000 **\*\*Points-in-Polygon\*\***000.  
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Earthquake  
<<http://www.ngdc.noaa.gov/nndc/struts/form?t=101650&s=1&d=1>> ` \_□ □□□□□.  
` tab-delimited earthquake data <[http://www.ngdc.noaa.gov/nndc/struts/results?type\\_0=Exact&query\\_0=\\$ID&t=101650&s=13&d=189&dfn=signif.txt](http://www.ngdc.noaa.gov/nndc/struts/results?type_0=Exact&query_0=$ID&t=101650&s=13&d=189&dfn=signif.txt)> ` \_□ □□□□ □□□.

Natural Earth Admin 0 – Countries 000000 0000 0000. countries <[http://www.naturalearthdata.com/http://www.naturalearthdata.com/download/10m/cultural/ne\\_10m\\_admin\\_0\\_countries.zip](http://www.naturalearthdata.com/http://www.naturalearthdata.com/download/10m/cultural/ne_10m_admin_0_countries.zip)> \_0 00000 0000.

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1. `□□ □□□ --> □□□□ □□□ □□□ □□□ □□ :menuselection: `Layer --> Add Delimited Text Layer` □ □□ □□□□□ `signif.txt` ``□□□ □□□□.`



2. Open the 'Add Delimited Text Layer' dialog. In the 'File format' dropdown, select 'Tab'. In the 'X field' dropdown, select the appropriate field. In the 'Y field' dropdown, select the appropriate field. Click 'OK'.

### Note

QGIS can open delimited text files. The 'Add Delimited Text Layer' dialog is used to add a new layer from a delimited text file. The 'File format' dropdown is used to select the file format (e.g., Tab, Comma, Semicolon, etc.). The 'X field' and 'Y field' dropdowns are used to select the fields in the file that contain the X and Y coordinates. The 'OK' button is used to add the layer to the project.





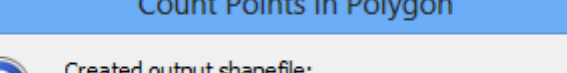
4. □□ □□ □□□ QGIS □ □□□□. □□ □□ □□□ □□□□. □□ □□ □□ --> □□ □□ □□  
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 ne\_10m\_admin\_0\_countries.zip □□□ □□ □□ :guilabel: `Open` □ □□□□. □□□  
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 ne\_10m\_admin\_0\_countries.shp □ □□□□.



The screenshot shows the QGIS 2.0.1-Dufour application window. The 'Vector' menu is open, and the 'Points in polygon' option is highlighted. The map canvas displays a world map with yellow landmasses and numerous green points. The 'Layers' panel on the left shows two layers: 'ne\_10m\_admin\_0\_count...' and 'signif'. The status bar at the bottom indicates the coordinate system is EPSG:4326 and the scale is 263396668.

**Note**

OK□ □□ □ □□□□□. QGIS□ □□□ □□□□□□ □□ 10□□ □□□ □ □□□□.





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Attribute table - earthquakes\_per\_country :: Features total: 255, filtered: 255, selected: 0

	REGION_WB	NAME_LEN	LONG_LEN	ABBREV_LEN	TINY	HOMEPART	PNTCNT
0	Latin America ...	5.00	5.00	5.00	4.00	-99.00	0.000000000000...
1	South Asia	11.00	11.00	4.00	-99.00	1.00	57.000000000000...
2	Sub-Saharan Af...	6.00	6.00	4.00	-99.00	1.00	0.000000000000...
3	Latin America ...	8.00	8.00	4.00	-99.00	-99.00	0.000000000000...
4	Europe & Centr...	7.00	7.00	4.00	-99.00	1.00	44.000000000000...
5	Europe & Centr...	5.00	13.00	5.00	5.00	-99.00	0.000000000000...
6	Europe & Centr...	7.00	7.00	4.00	5.00	1.00	0.000000000000...
7	Middle East & ...	20.00	20.00	6.00	-99.00	1.00	0.000000000000...
8	Latin America ...	9.00	9.00	4.00	-99.00	1.00	20.000000000000...
9	Europe & Centr...	7.00	7.00	4.00	-99.00	1.00	14.000000000000...
10	East Asia & Pac...	14.00	14.00	9.00	3.00	-99.00	0.000000000000...
11	Antarctica	10.00	10.00	4.00	-99.00	1.00	0.000000000000...
12	East Asia & Pac...	23.00	27.00	7.00	-99.00	-99.00	0.000000000000...
13	Sub-Saharan Af...	22.00	35.00	10.00	2.00	-99.00	0.000000000000...
14	Latin America ...	17.00	19.00	6.00	4.00	1.00	0.000000000000...
15	East Asia & Pac...	9.00	9.00	4.00	-99.00	1.00	9.000000000000...
16	Europe & Centr...	7.00	7.00	5.00	-99.00	1.00	4.000000000000...
17	Europe & Centr...	10.00	10.00	4.00	-99.00	1.00	15.000000000000...
18	Sub-Saharan Af...	7.00	7.00	4.00	-99.00	1.00	1.000000000000...
19	Europe & Centr...	7.00	7.00	5.00	-99.00	1.00	2.000000000000...
20	Sub-Saharan Af...	5.00	5.00	5.00	-99.00	1.00	1.000000000000...
21	Sub-Saharan Af...	12.00	12.00	4.00	-99.00	1.00	0.000000000000...

Show All Features

10. 00 00 00 ``PNTCNT`` 000 0000 00 00 00 000 00 0000. 0000000 0000 00  
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