

Points in Polygon Analysis

QGIS Tutorials and Tips



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Natural Earth□ Admin 0 – Countries □□□□□ □□□ □□□□. `countries <http://www.naturalearthdata.com/http://www.naturalearthdata.com/download/10m/cultural/ne_10m_admin_0_countries.zip>`_□ □□□□ □□□.

For convenience, you may directly download a copy of the dataset from the link below:

[signif.txt](#)

[ne_10m_admin_0_countries.zip](#)

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



2. Open the 'Add Delimited Text Layer' dialog box. In the 'File format' dropdown, select 'Tab'. In the 'X field' dropdown, select the field containing the X coordinates. In the 'Y field' dropdown, select the field containing the Y coordinates. Click the 'OK' button to add the layer.

Note

The QGIS interface is designed to be user-friendly and intuitive. It includes a variety of tools and options to help you work with your data. The 'Add Delimited Text Layer' dialog box is a key component for importing data into QGIS.



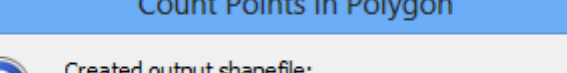
4. The earthquake point layer would now be loaded and displayed in QGIS. Let's also open the Countries layer. Go to Layer > Add Vector Layer. Browse to the downloaded *ne_10m_admin_0_countries.zip* file and click Open. Select the *ne_10m_admin_0_countries.shp* as the layer in the Select layers to add... dialog.



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

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9. 〇〇 〇〇〇〇〇 〃 〃 PNTCNT 〃 〃 〇〇 〇〇〇 〇〇〇〇 〇〇〇〇 〇〇〇. 〇〇〇 〇 〇〇〇〇〇 〇〇〇
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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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2000 年 1 月 1 日 至 2000 年 12 月 31 日 的 地震 数据。 数据 来源 为 美国 地质 调查 局 (USGS) 的 全球 地震 目录 (Global Earthquake Catalogue)。