

Counting Number of Vertices in a Layer

QGIS Tutorials and Tips



Author

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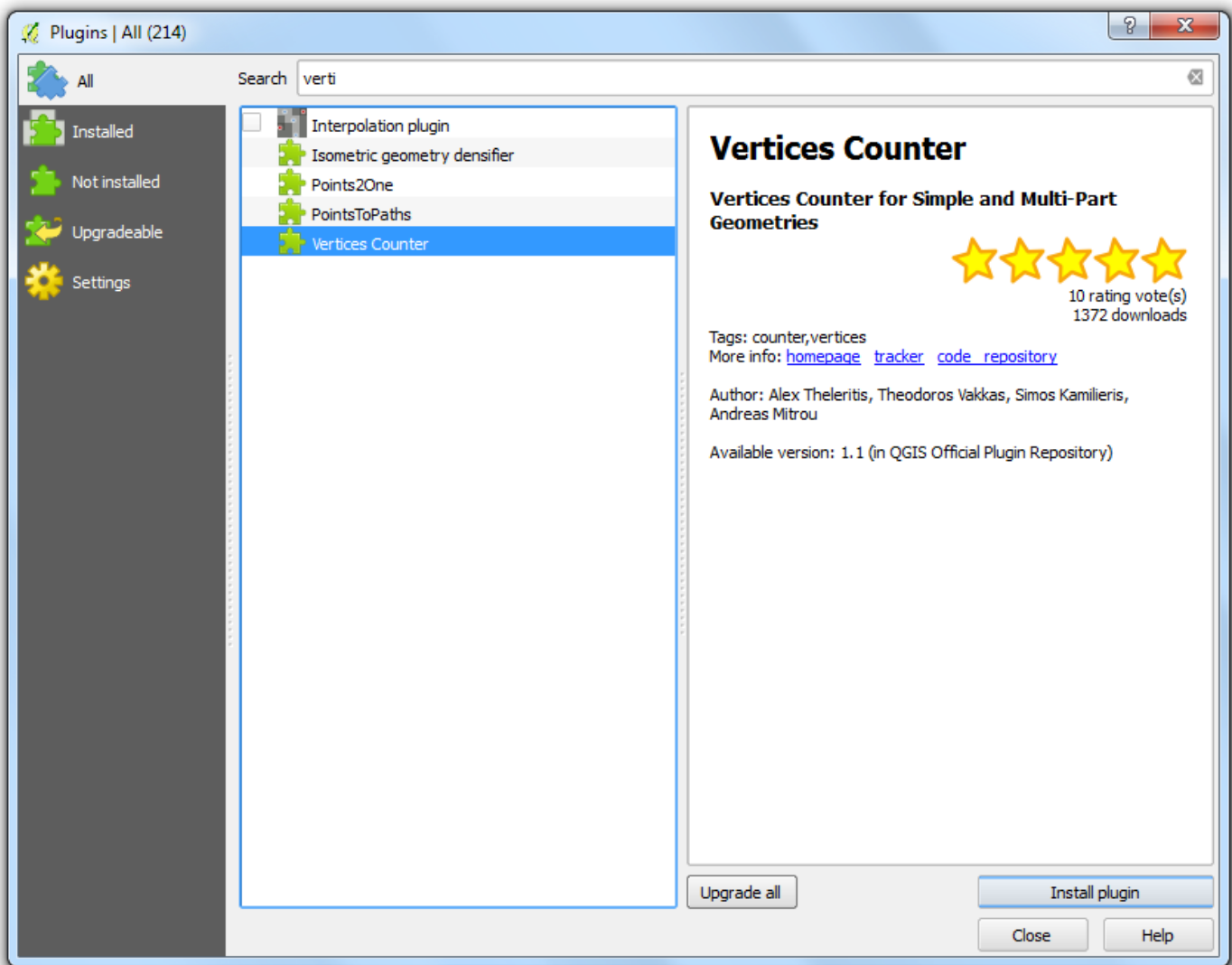
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Translations by

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QGIS is a free and open-source geographic information system (GIS) software. It is designed to run on a wide variety of platforms, including Windows, Linux, and macOS. One of the key features of QGIS is its extensibility, which allows users to install additional plugins to enhance its functionality. One such plugin is the Vertices Counter, which provides a way to count the number of vertices in a vector layer.

1. The first step is to install the Vertices Counter plugin. This can be done through the QGIS Plugin Manager. To access the Plugin Manager, go to the 'Plugins' menu and select 'Manage and Install Plugins...'. This will open the 'Plugins | All (214)' dialog box.



2. The second step is to use the Vertices Counter plugin. Once installed, the plugin will appear in the 'Processing' toolbar. To use it, click on the 'Vertices Counter' icon. This will open a dialog box where you can select the vector layer you want to process. After clicking 'OK', the plugin will calculate the number of vertices for the selected layer and display the result in the QGIS status bar.



3.

1. **Open** the **ne_10m_time_zones** layer in the **Layers** panel.

2. **Right-click** on the layer name and select **Properties**.

3. In the **Properties** dialog, go to the **Style** tab.

4. Under **Style**, select **Single Symbol**.

5. Click on the **Symbol** button and choose **Line**.

6. Set the **Color** to **Black** and the **Width** to **2**.

7. Click **OK** to apply the style.

8. Go to the **Processing** menu and select **Vector** > **Vertices Counter**.

9. In the **Vertices Counter** dialog, set the **Input** to **ne_10m_time_zones**.

10. Click **Run** to execute the plugin.

11. A **Results** window will appear showing the **Count** of vertices for each feature.

12. The **Results** window will show a table with the following columns: **Feature ID**, **Count**, and **Total**.

13. The **Results** window will show the **Count** of vertices for each feature.

14. The **Results** window will show the **Total** count of vertices for all features.



4. Click on the **Open** button in the **Open** dialog box.



5. **Vertices** **vertex** **Select** **> X.**

Attribute table - ne_10m_time_zones :: Features total: 120, filtered: 120, selected: 0

		utc_format	time_zone	iso_8601	places	dst_places	tz_name1st	tz_namesum	Vertices
0	-10.00	UTC-10:00	UTC-10:00	2012-05-30T18:...	Arctic Ocean	NULL	NULL	0	210
1	-10.00	UTC-10:00	UTC-10:00	2012-05-30T18:...	United States (Al...	United States (Al...	NULL	0	84
2	-11.00	UTC-11:00	UTC-11:00	2012-05-30T17:...	Arctic Ocean	NULL	NULL	0	183
3	-11.00	UTC-11:00	UTC-11:00	2012-05-30T17:...	American Samoa, ...	NULL	NULL	0	142
4	-11.00	UTC-11:00	UTC-11:00	2012-05-30T17:...	American Samoa, ...	NULL	Pacific/Midway	1	181
5	-11.00	UTC-11:00	UTC-11:00	2012-05-30T17:...	American Samoa, ...	NULL	Pacific/Pago_Pago	2	395
6	-10.00	UTC-10:00	UTC-10:00	2012-05-30T18:...	United States (H...	Most of French P...	Pacific/Honolulu	6	1057
7	-12.00	UTC-12:00	UTC-12:00	2012-05-30T16:...	Southern Ocean	NULL	NULL	0	189
8	-12.00	UTC-12:00	UTC-12:00	2012-05-30T16:...	Siberia	NULL	NULL	0	143
9	-7.00	UTC-07:00	UTC-07:00	2012-05-30T21:...	Canada (northea...	Canada (Alberta)...	America/Denver	14	5037
10	-9.50	UTC-09:30	UTC-09:30	2012-05-30T19:...	Marquesas Islands	NULL	Pacific/Marquesas	1	57
11	-6.00	UTC-06:00	UTC-06:00	2012-05-30T22:...	Canada (almost ...	Canada (Manitob...	America/Chicago	25	2862
12	-5.00	UTC-05:00	UTC-05:00	2012-05-30T23:...	Colombia, Cuba, ...	Canada (most of ...	America/New_York	26	5574
13	-3.50	UTC-03:30	UTC-03:30	2012-05-31T01:...	Canada (island o...	Canada (island o...	America/St_Johns	2	220
14	-4.00	UTC-04:00	UTC-04:00	2012-05-31T00:...	Arctic Ocean	NULL	NULL	0	139
15	-1.00	UTC-01:00	UTC-01:00	2012-05-31T03:...	Greenland (south...	NULL	America/Scoresb...	1	525
16	-4.00	UTC-04:00	UTC-04:00	2012-05-31T00:...	Bolivia, Brazil (A...	Falkland Islands	America/La_Paz	39	9877
17	-2.00	UTC-02:00	UTC-02:00	2012-05-31T02:...	Arctic Ocean	NULL	NULL	0	129
18	-2.00	UTC-02:00	UTC-02:00	2012-05-31T02:...	Brazil (Fernando ...	NULL	Atlantic/South_G...	3	1012
19	-1.00	UTC-01:00	UTC-01:00	2012-05-31T03:...	Portugal (Azores...	NULL	Atlantic/Cape_Ve...	2	1268
20	-8.00	UTC-08:00	UTC-08:00	2012-05-30T20:...	Canada (most of ...	Canada (most of ...	America/Los_Ang...	8	3753
21	-8.00	UTC-08:00	UTC-08:00	2012-05-30T20:...	Arctic Ocean	NULL	NULL	0	318
22	13.00	UTC+13:00	UTC+13:00	2012-05-31T17:...	Kiribati (Phoenix ...	Samoa	Pacific/Enderbury	3	184

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