

Importing Spreadsheets or CSV files

QGIS Tutorials and Tips



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Translations by

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GIS 2024 10 10 10:10:10. 10/10/2024 10:10:10
GIS 2024 10 10 10:10:10.

■■■■■ ■■ ■■ ■■ ■■■■ QGiS ■■■■■■.

NOAA ■■■■■■■■■■ ■■■■ 2150■■■■■ ■■■■ ■■■■ ■■■■■■■■■■ ■■■■ ■■■■.
[Learn more.](#)

Download [Significant Earthquake Database](#) text file.

■■■■ ■■ [NGDC]

11

1. **Save the data as a CSV file.** In QGIS, go to **Layer > Save As...** and save the layer as a **Comma Separated Values (CSV)** file. This will create a text file that can be imported into Excel. **Save the data as a CSV file.** In QGIS, go to **Layer > Save As...** and save the layer as a **Comma Separated Values (CSV)** file. This will create a text file that can be imported into Excel.

The screenshot shows a Notepad window with the following text content:

| STATE | LOCATION_NAME | LATITUDE | LONGITUDE | REGION_CODE | DEATHS | DEATHS_DESCRIPTION |
|-----------------|---------------|-------------------------|-----------|-------------|--------|--------------------|
| 10 | ISRAEL | ISRAEL: ARIHA (JERICHO) | 31.500 | 35.300 | 140 | |
| | | 9713 | Tsu | -480 | 9 | 29 |
| | | 1 | | | | |
| 103.900 | 30 | | | | 2 | |
| GANSU PROVINCE: | LONGXI | 34.900 | 104.700 | 30 | 3 | |
| 3 | | 41 | 23 | | | |
| | | | | | 51 | 57 |
| | UKRAINE | UKRAINE: BLACK SEA | 44.700 | 33.300 | 155 | |
| | | 1 | 3 | 1001 | 4 | |
| | | | | | 67 | |
| | | | | | 79 | 340 |
| | 350 | 10 | | | | |
| | 2 | | | | | |
| | 438 | | | | | |
| | 119 | 477 | 9 | 25 | | |
| | | 139 | Tsu | 551 | 7 | 9 |
| | | | | 147 | 558 | 12 |
| 549 | 9 | 12 | | | 5.5 | 25 |
| | 715 | | | | | |
| 175 | | 745 | 6 | 5 | | 7.9 |
| 2 | | 3 | 187 | | 778 | |
| | 199 | | 811 | | | |
| 844 | 9 | 18 | | | | |
| | 219 | | 853 | | | |
| 857 | 4 | | | | | |

2. QGIS ■■■ :menuselection:`Layers --> Add Delimited Text Layer` ■■■■■■.

Create a Layer from a Delimited Text File

File Name:

Layer name: Encoding:

File format: ☐ CSV (comma separated values) ☒ Custom delimiters ☐ Regular expression delimiter

☐ Comma ☒ Tab ☐ Space ☐ Colon ☐ Semicolon
 Other delimiters: Quote: Escape:

Record options: Number of header lines to discard: ☒ First record has field names

Field options: ☐ Trim fields ☐ Discard empty fields ☐ Decimal separator is comma

Geometry definition: ☒ Point coordinates ☐ Well known text (WKT) ☐ No geometry (attribute only table)

X field: Y field: ☐ DMS coordinates

Layer settings: ☒ Use spatial index ☐ Use subset index ☐ Watch file

| | I_D | FLAG_TSUNAMI | YEAR | MONTH | DAY | HOUR | MINUTE | SECOND | FOCAL_DEPTH | EQ_MAG_MW | EQ_MAG |
|---|-----|--------------|-------|-------|-----|------|--------|--------|-------------|-----------|--------|
| 1 | 1 | | -2150 | | | | | | | | |
| 2 | 3 | | -2000 | | | | | | 18 | | 7.1 |
| 3 | 2 | Tsu | -2000 | | | | | | | | |
| 4 | 8 | | -1566 | | | | | | | | |
| 5 | 11 | | -1450 | | | | | | | | |

4. `if (geom_type() == 'Point') {`
`X = geometry_x();`
`Y = geometry_y();`
`}`

Delimited text file errors

Errors in file C:/Users/ujaval/Downloads/signif.txt
 49 records discarded due to missing geometry definitions
 6 records discarded due to invalid geometry definitions
 The following lines were not loaded into QGIS due to errors:
 Invalid X or Y fields at line 306
 Invalid X or Y fields at line 2253
 Invalid X or Y fields at line 3239
 Invalid X or Y fields at line 3324
 Invalid X or Y fields at line 3365
 Invalid X or Y fields at line 3420

5. `CRS = 'EPSG:4326';`
`layer.setCrs(CRS);`
`OK = true;`



6. ■■■■ ■■■■ ■■■■■■ QGIS■■■■■ ■■■■ ■■ ■ ■■■■■■.

