

Importing Spreadsheets or CSV files

QGIS Tutorials and Tips



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Translations by

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■■■■■ ■■ CSV■■■ ■■■■

GIS 2020 10 10 10:10:10. 10 10/10/10 10:10:10 10 10:10:10
GIS 2020 10 10 10:10:10.

■■■■■ ■■ ■■ ■■ ■■■■ QGiS ■■■■■.

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

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

■■■■ ■■ [NGDC]

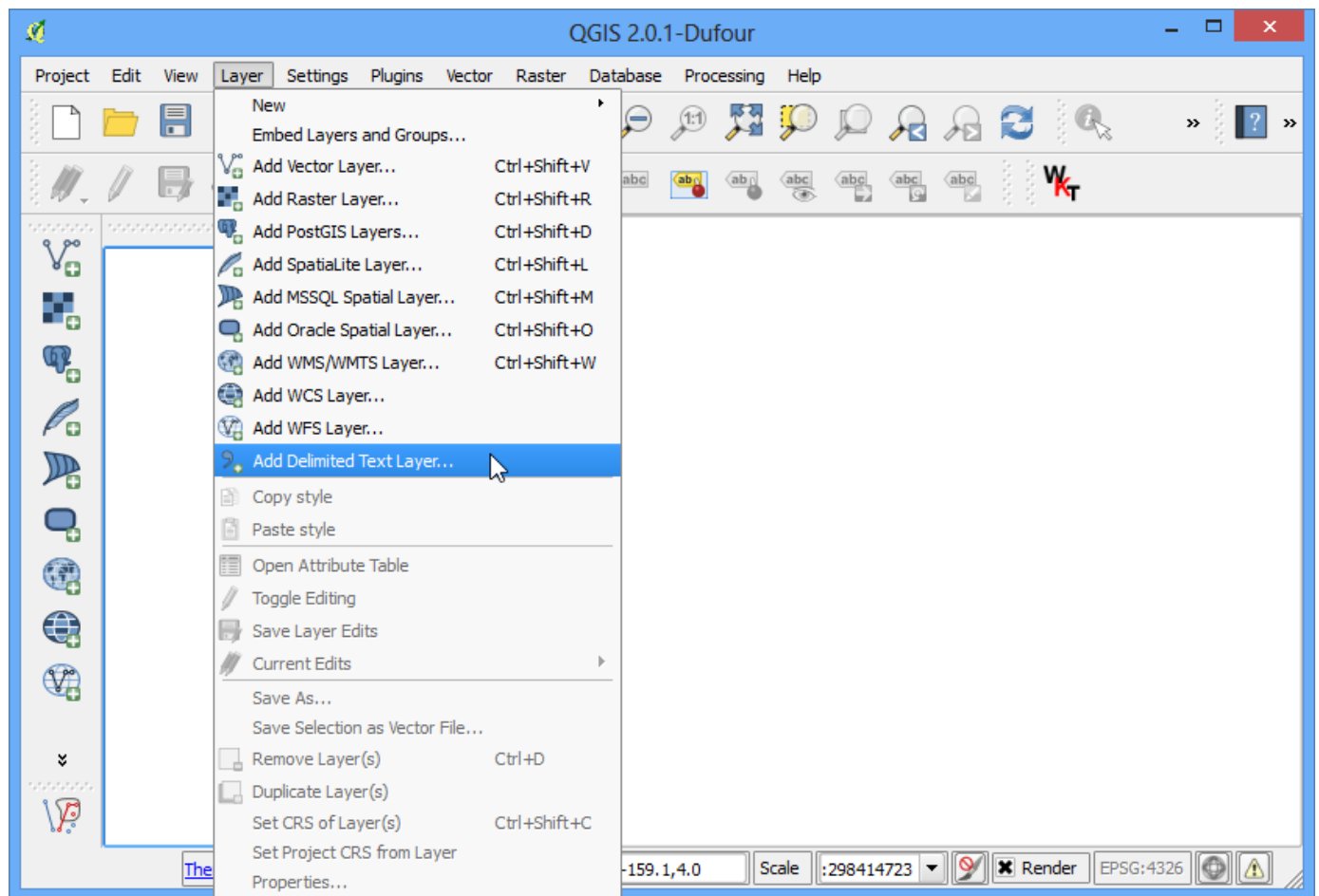
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1. **Save the data as a CSV file.** In QGIS, go to **Layer > Save As...** and save the layer as a **Comma Separated Values (CSV)** file. This will create a text file that can be imported into Excel. **Save the data as a CSV file.** In QGIS, go to **Layer > 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 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	25
					5.5	
549	9	12				
	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` ■■■■■■.



3. Create a Layer from a Delimited Text File  Browse   
 :guilabel:`File format`  :guilabel:`Custom delimiters` 
 :guilabel:`Tab`  :guilabel:`Geometry definition`  X, Y 
  *LONGITUDE*  *LATITUDE* 
 :guilabel:`OK` 

Note

X Y Latitude Y Longitude X

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.get_x();`
`Y = geometry.get_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 = QgsCoordinateReferenceSystem(QgsCoordinateReferenceSystem::EpsgCrsId(4326));`
`layer.setCrs(crs);`
`OK = QMessageBox::Yes;`



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

