

# Importing Spreadsheets or CSV files

QGIS Tutorials and Tips



Author

Ujaval Gandhi

<http://google.com/+UjavalGandhi>

Translations by

SongHyun Choi

■■■■■ ■■ 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]

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';`  
`CRS = 'WGS 84';`  
`OK = true;`



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

