

# Importing Spreadsheets or CSV files

QGIS Tutorials and Tips



Author

Ujaval Gandhi

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

Translations by

SongHyun Choi

## □□□□□□ □□ CSV□□ □□□□

□□ □□ GIS □□□□ □□ □□ □□□□□□ □□□ □□□. □□ □□/□□□□ □□□□ □□ □□□□ GIS□□□□□□ □□ □□□ □ □□□□.

### □□ □□

□□□□ □□ □□ □□ □□□□ QGIS□ □□□□□.

### □□□□ □□

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

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

□□□ □□ [NGDC]

### □□

1. □□□ □□□ □□□□ □□□□□□. □ □□□□ QGIS□ □□ □□□□ □□□□ □□□□□□ □□□ □□□□□. □□□ □□□ X, Y□□□□ □□□ □□ 2□□□□ □□□□□. □□□□□□□□□□□ □□ □□□□□ '□□ □□□□ □□ Save As'□□□□ □□□□ **Tab Delimited File** □□ 'Comma Separated Values (CSV)'□ □□□ □□□. □□ □□ □ □□□ □□□□ □□□ □□□ □□□□ □□ □□□ □□□□□□□□ □□□ □□□ □□□ □ □□□□. □□□□□□□□ □□□□ □□ □□ □□□□□□ □□□ □□□□□□ □□□ □□□□□□□. □ □□□ □□□ □□□□ □□□ □ □□□□.

signif.txt - Notepad

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			
		UKRAINE	UKRAINE: BLACK SEA	44.700	51	57
		1	3	1001	4	67
						155
					79	340
350	10					
	2					
438						
119		477	9	25		
		139	Tsu	551	7	9
				147		558
549	9	12			12	25
	715				5.5	
175		745	6	5		7.9
2		3	187	778		
	199		811			
844	9	18				
	219		853			
857	4					

Ln 1, Col 1

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



3. Create a Layer from a Delimited Text File

### Note

X Y 000 0000 0000. 00 Latitude 00 0-0000 0000 \*\*Y\*\*000 000. 000000  
00 Longitude 00 0-0000 0000 \*\*X\*\*000 000.

**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. □□ □□□□□□ □□□□□□ □□□ □□□. □ □□□ □□ X, 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. `guiabel: 'Coordinate Reference System Selector'` `CRS` `WGS 84` `guiabel: 'OK'`.



6. `QGIS`.

