



GEOJSON SPEC (2016)

Jong Lee, NCSA

GEOJSON SPEC 2016

- Old Geojson spec (2008) is still in use.
- However, new libraries and well-know libraries have started to move on new spec 2016
- What's new?
 - Just WGS84 (no more support other projections/coordinate system)
 - Polygon rings follow the right-hand-rule for orientation.
 - bbox array must be in "[west, south, east, north]", not "[minx, miny, maxx, maxy]"
 - Etc. (<https://macwright.org/2016/11/07/the-geojson-ietf-standard.html>)

HOW TO

- Validate geojson: <http://geojsonlint.com/>
- Fix right-hand rule:
 - <https://mapster.me/right-hand-rule-geojson-fixer/>
 - Python lib: <https://pypi.org/project/geojson-rewind/>
 - GDAL tool – ogr2ogr
 - **ogr2ogr -f GeoJSON -lco RFC7946=YES output.json input.json**
- Better to regenerate new Geojson with new spec
 - QGIS
 - If you use “Export” or “Save As”, it will use Geojson 2008 spec
 - Use Processing tool box – GDAL – Vector Conversion – Convert Format
 - With additional parameter: “-lco RFC7946=YES”
 - GDAL tool – ogr2ogr
 - **ogr2ogr -f GeoJSON -lco RFC7946=YES output.json input.shp**

Convert Format

Parameters Log

Input layer

census [EPSG:4269]

Selected features only

▼ **Advanced parameters**

Additional creation options [optional]

-lco RFC7946=YES

Converted

D:/data-temp/census2.geojson

Open output file after running algorithm

GDAL/OGR console call

```
ogr2ogr -f "GeoJSON" -lco RFC7946=YES D:/data-temp/census2.geojson D:/data-temp/census.shp census
```

0%

Run as Batch Process... Run Close Help

Cancel