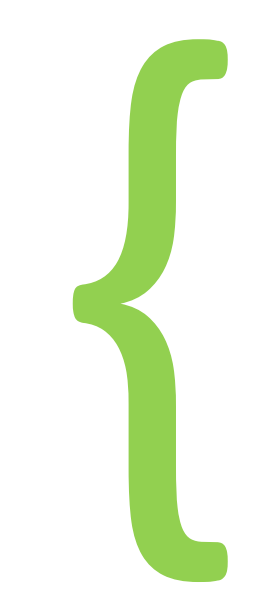


definition

an **open standard format** for encoding **collections of simple geographical features** along with their non-spatial attributes **using** JavaScript Object Notation (**JSON**)

Source: <http://en.wikipedia.org/wiki/GeoJSON>



resources

- <http://leafletjs.com> | js API for web mapping
- <http://github.com> | code/data repository
- <http://geojson.io> | edit geoJSON in the browser
- <http://gdal.org> | convert vectors (e.g., shp to geoJSON)
- <http://geojson.org> | full spec for geoJSON

structure

point feature

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [102.0, 0.6]
      },
      "properties": {
        "prop0": "value0"
      }
    },
    {

```

spatial data

```
      "type": "Feature",
      "geometry": {
        "type": "LineString",
        "coordinates": [
          [102.0, 0.0], [103.0, 1.0], [104.0, 0.0]
        ]
      },

```

non-spatial data

```
      "properties": {
        "prop1": 0.0,
        "prop0": "value0"
      }
    },
    {

```

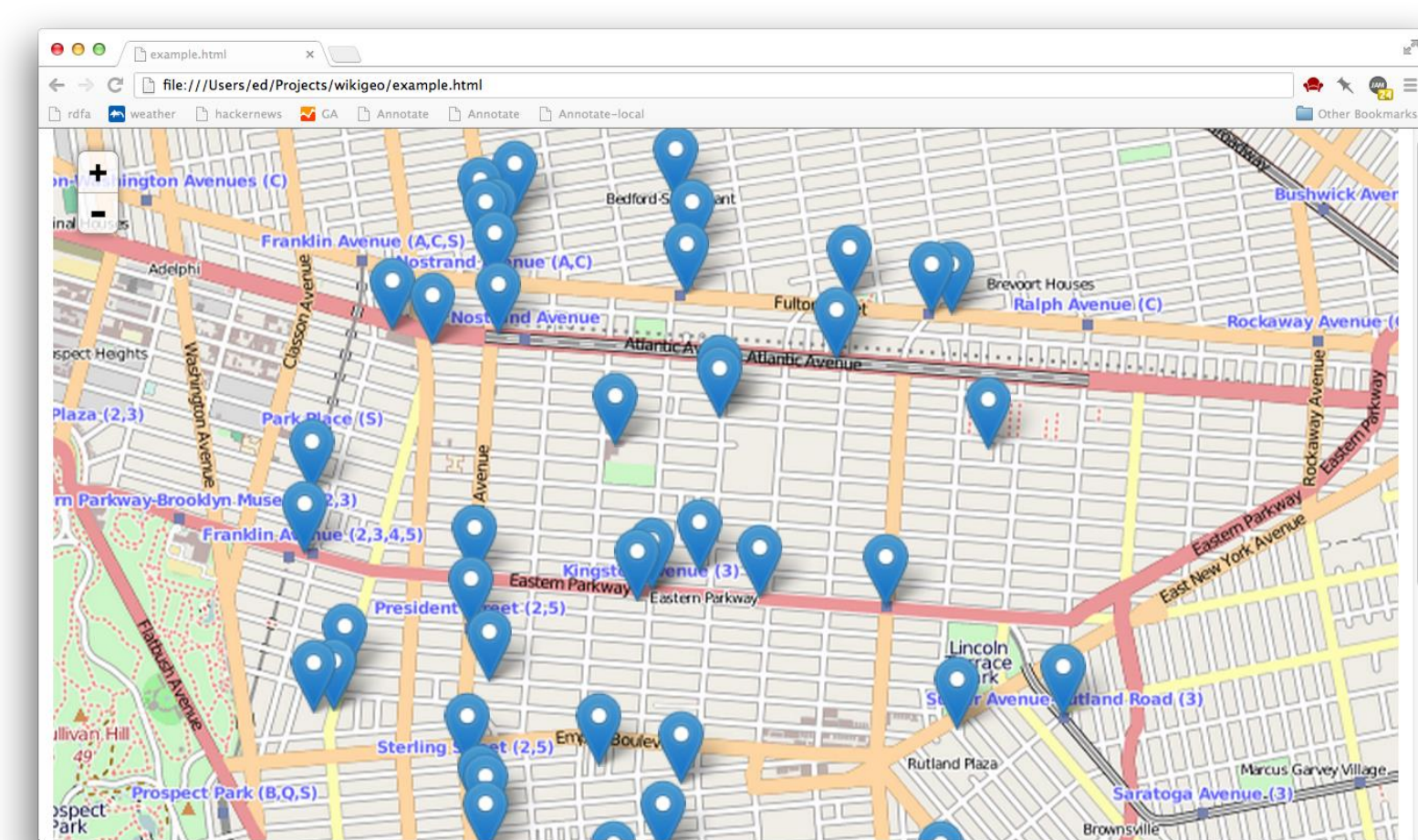
metadata

```
      "type": "Feature",
      "geometry": {
        "type": "Polygon",
        "coordinates": [
          [
            [100.0, 0.0], [101.0, 0.0], [101.0, 1.0]
          ]
        ]
      },
      "properties": {
        "prop1": {
          "this": "that"
        },
        "prop0": "value0"
      }
    }
  ]
}
```

“geoJSON”: “spatial vectors for the web”

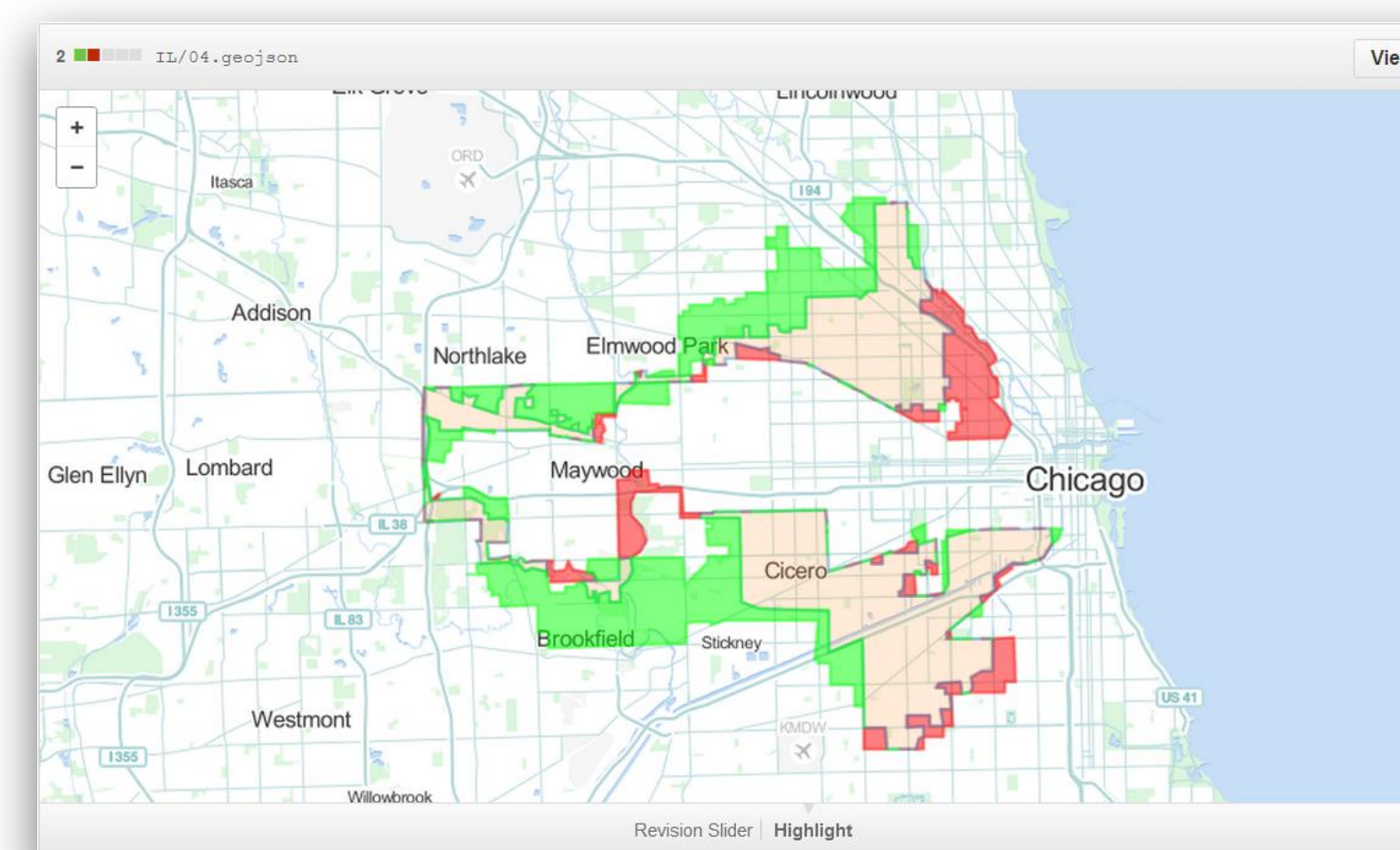


1. leaflet js map



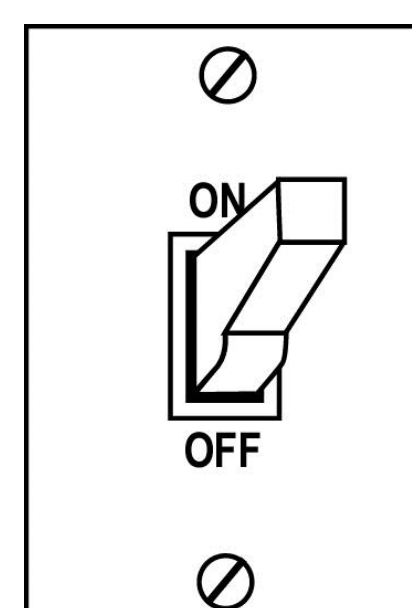
Publish Javascript web maps easily using geoJSON in Leaflet.
Image: <http://edsu.github.io/wikiqeo/>

2. “diffable” maps



Host geospatial data on GitHub for easy sharing + version control. Above map shows updates to IL district 4 for 113th Congress.
Source: <https://github.com/benbalter/congressional-districts>

3. open data switch for ELA ArcGIS



esri demos easy-deploy “open data” sites for ArcGIS at D.C. Federal Users Conference in March 2014.
Source: <http://readwrite.com/2014/02/10/esri-enable-thousands-government-agencies-open-gis-data-public>

usage

1. easy web mapping
2. hosting data on GitHub
3. [new] esri open data format