

Shape files e PostGis

Agenda

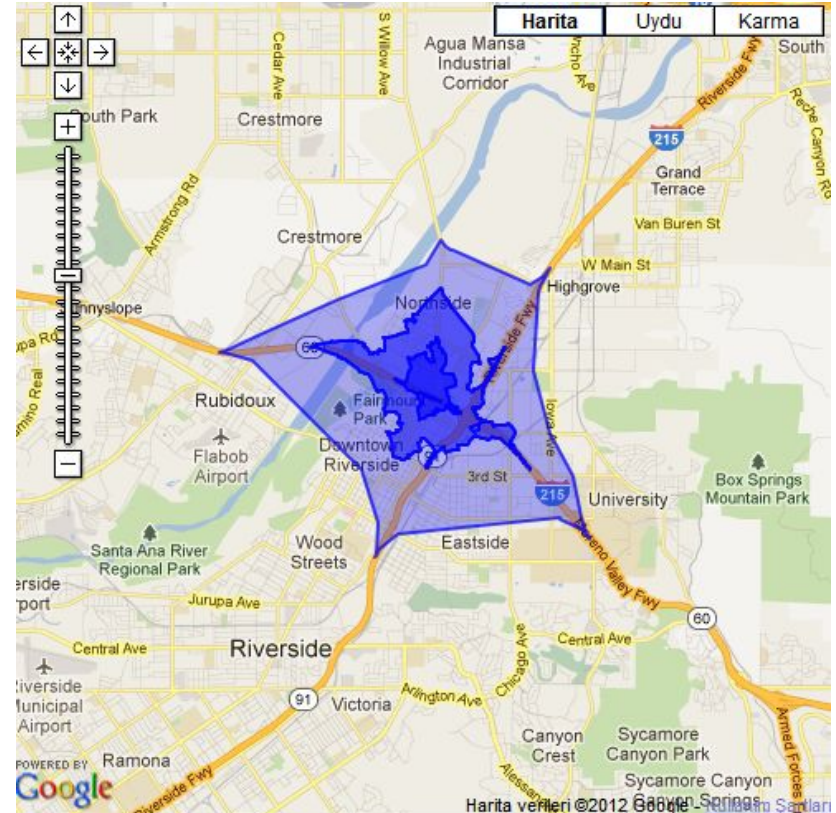
Shape files

Extensões Postgresql

PostGis

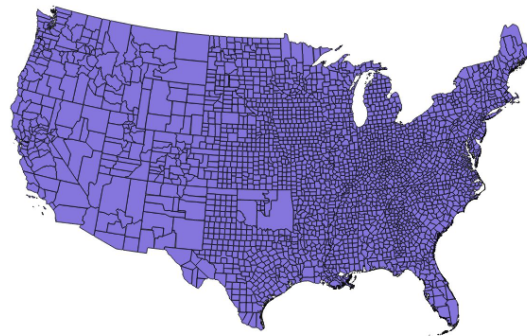
Dados geográficos

1. Cartografia
2. Dados geográficos
3. IBGE
 - a. Censo
 - b. Terreno
 - c. Crimes



Shape files

1. Dados Geoespacial vetorizado
2. Definido pela Esri(Environmental Systems Research Institute)
3. Criado 1990
4. Constitui três arquivos:
 - a. Shp
 - b. Shx
 - c. Dbf



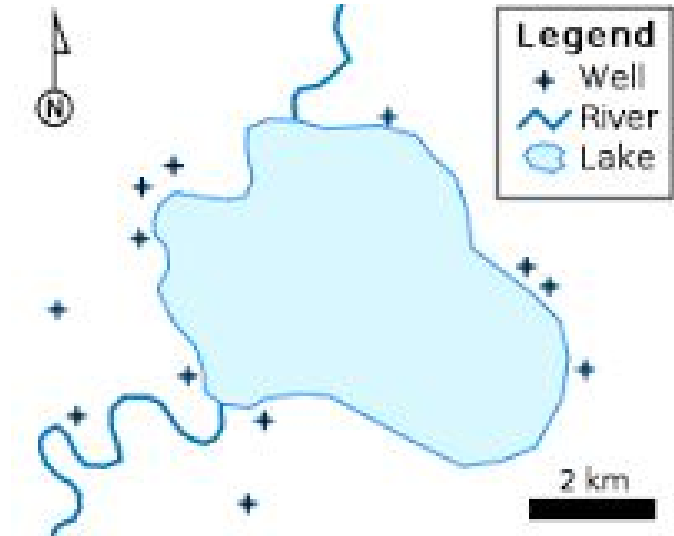
PostGis

- Extensão para postgres
- Importação de shape files
- Exportador de shape files
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Objetos suportados

1. POINT
2. LINESTRING
3. POLYGON
4. MULTIPOINT
5. MULTILINESTRING
6. MULTIPOLYGON
7. GEOMETRYCOLLECTION



SQL CREATE

```
CREATE TABLE ROADS (  
    ID int4,  
    ROAD_NAME varchar(25),  
    roads_geom geometry(LINESTRING,4326) );
```



SQL INSERT

INSERT INTO

roads (road_id, roads_geom, road_name)

VALUES

(1, ST_GeomFromText('LINESTRING(191232 243118,191108
243242)',-1), 'Jeff Rd');

