

Spatial Data Acquisition

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Census Geographic Areas (Small-Area Geography)

Blocks

- Smallest units of data tabulation.
- Generally bounded by visible features and legal boundaries.
- Block numbers completely different from 1990.
- Size: average about 100 people.

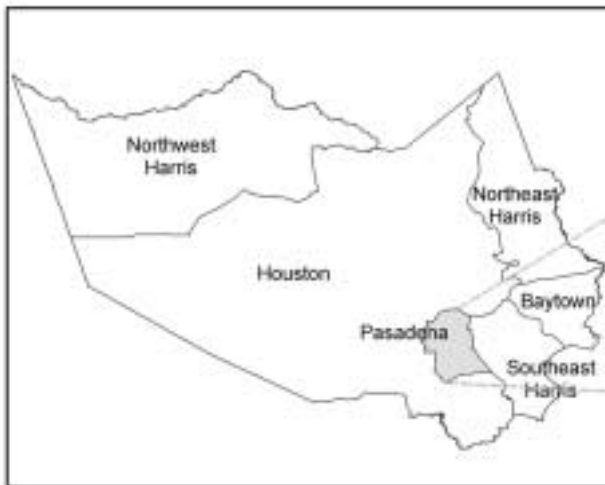
Block Groups

- Groups of blocks sharing the same first digit
- Smallest areas for which sample data available
- Size: optimally 1,500 people, range between 300 to 3,000

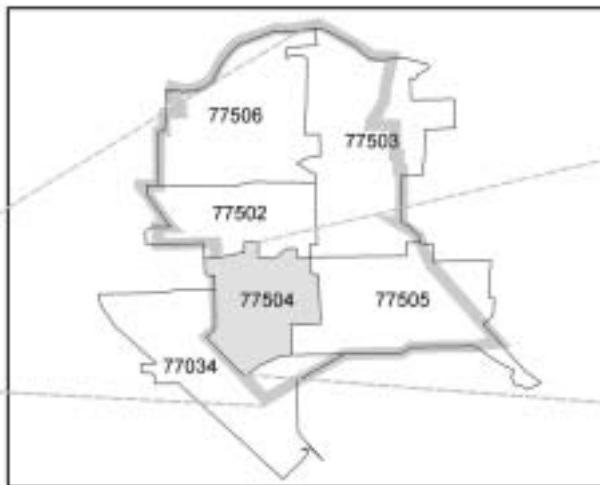
Census Tracts

- Seamless national coverage
- Relatively homogenous population characteristics
- 65,000 Census tracts across U.S.
- Size: optimally 4,000 people, range between 1,000 and 8,000

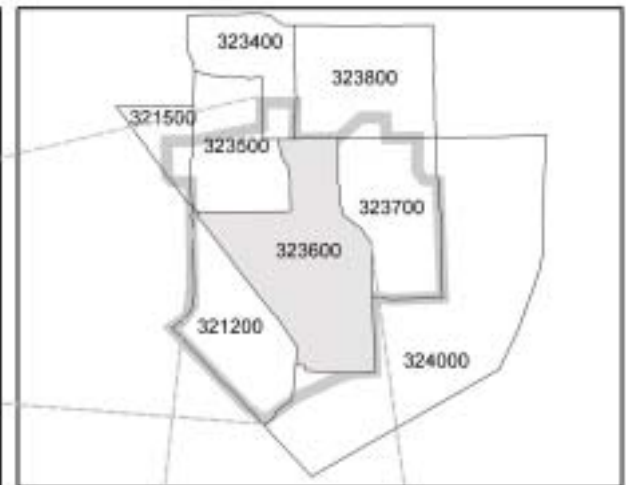
Census Geographical Relations



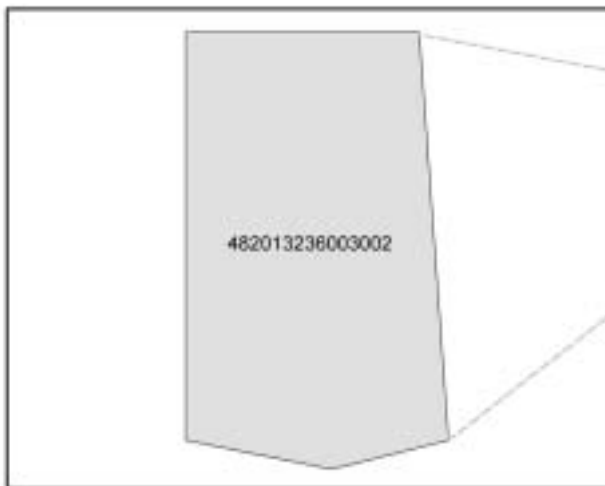
County



Census County Division



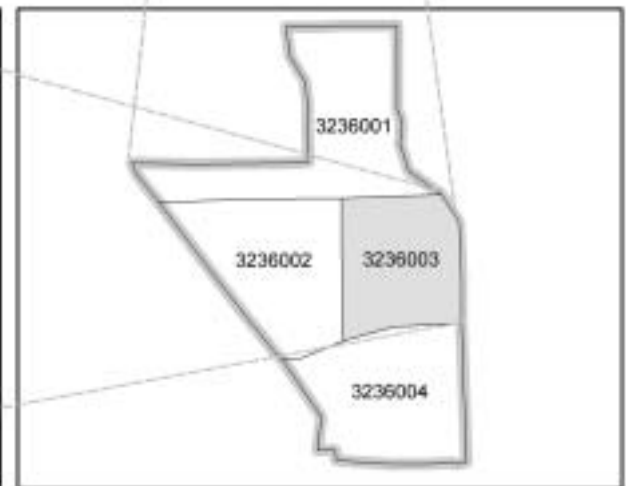
5-Digit Zip Code Tabulation Area



Block

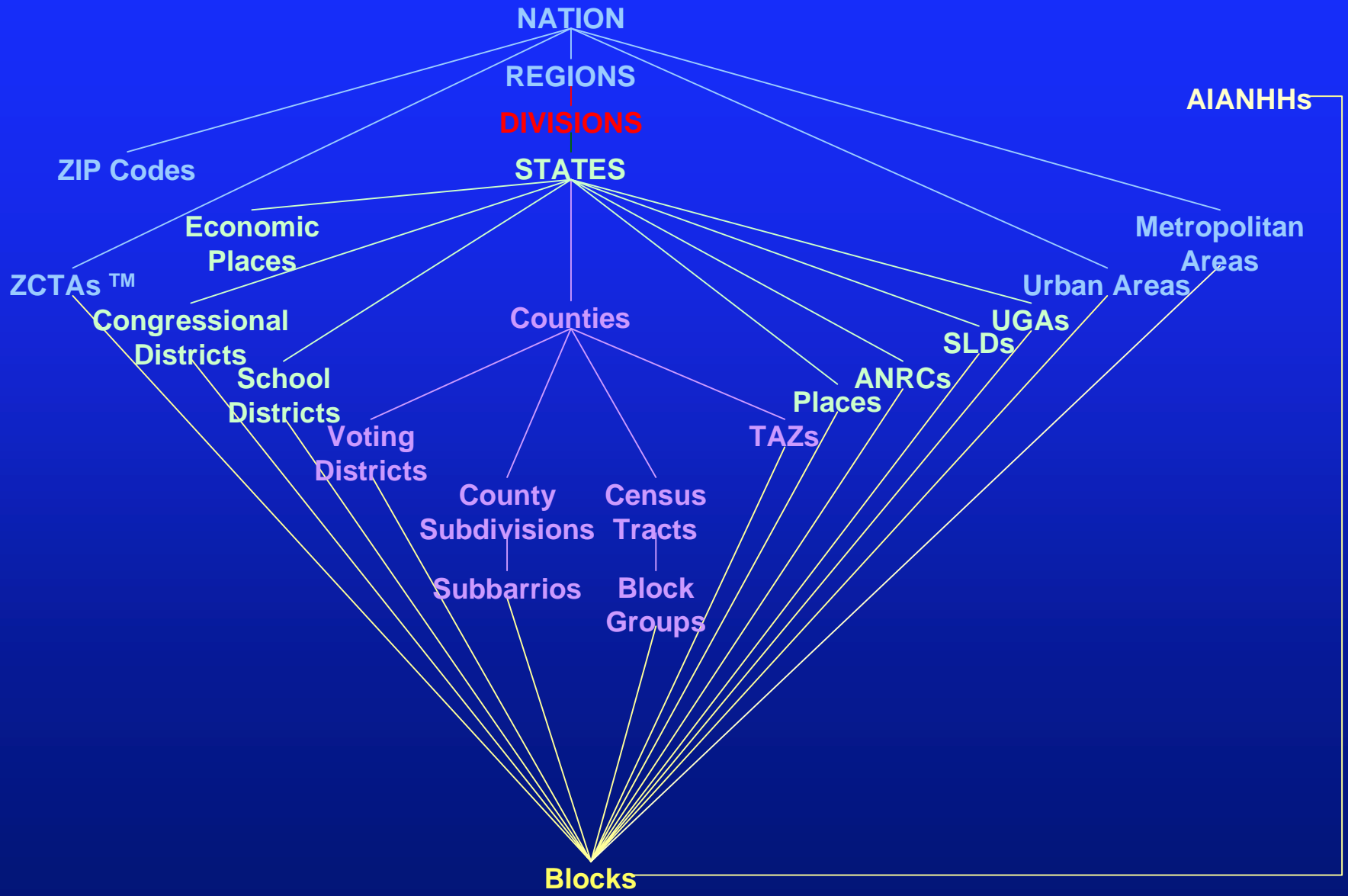


Block Group

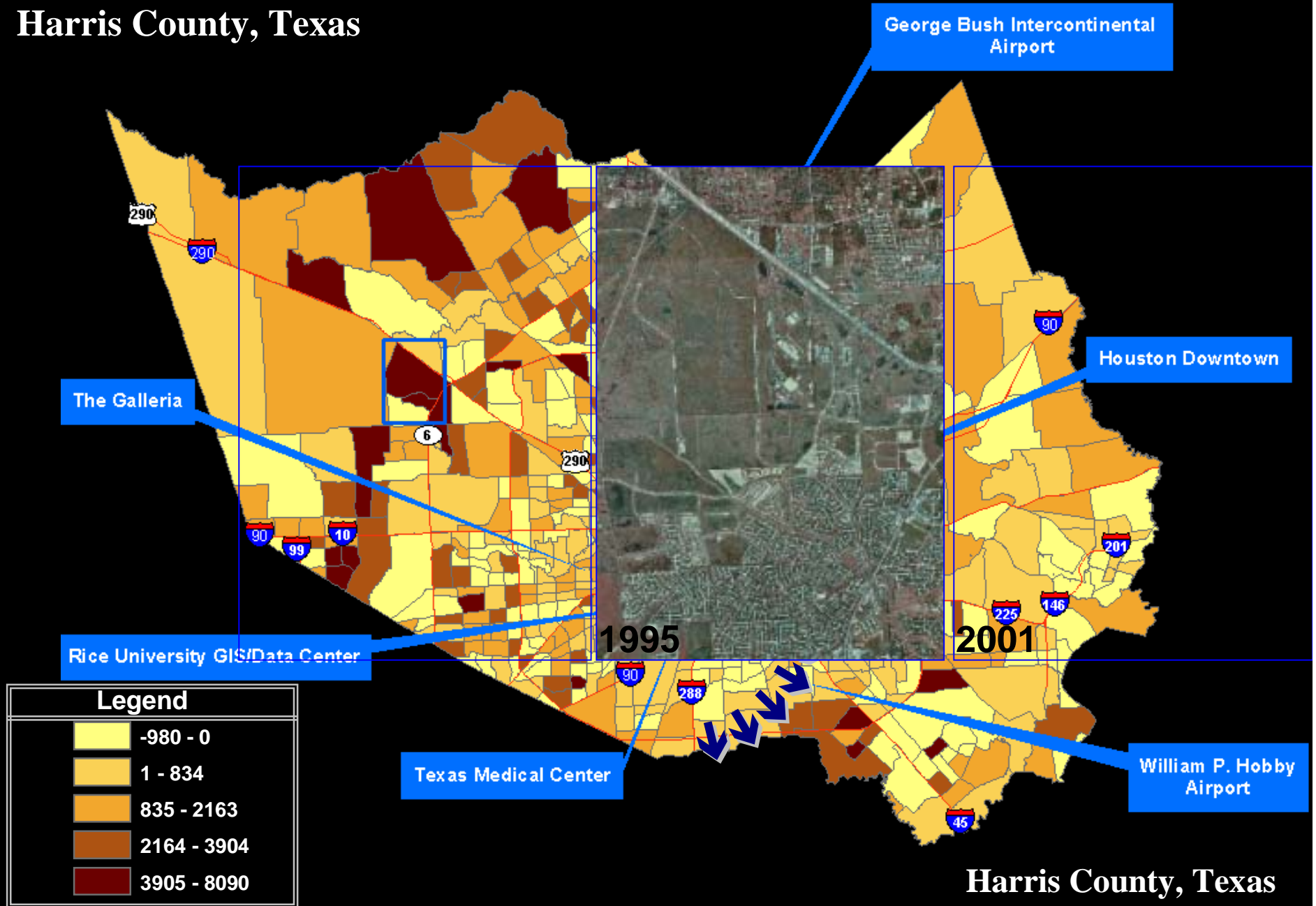


Census Tract

Geographic Hierarchy



Demographic Difference of the Intersects of the 1990 and 2000 Census Tracts Harris County, Texas



IAP 2005

January 19- 27

- Introduction to ArcGIS
- Working with Map Projections in ArcGIS
- Working with Digital Elevation Models
- Site Selection - Making Spatial Decisions Using a GIS
- Working with US Census data in a GIS
- Images of Place – Working with imagery in a GIS
- Programming in ArcGIS