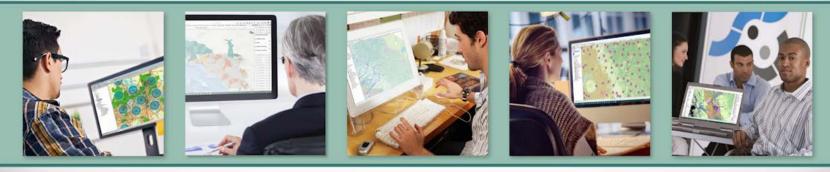
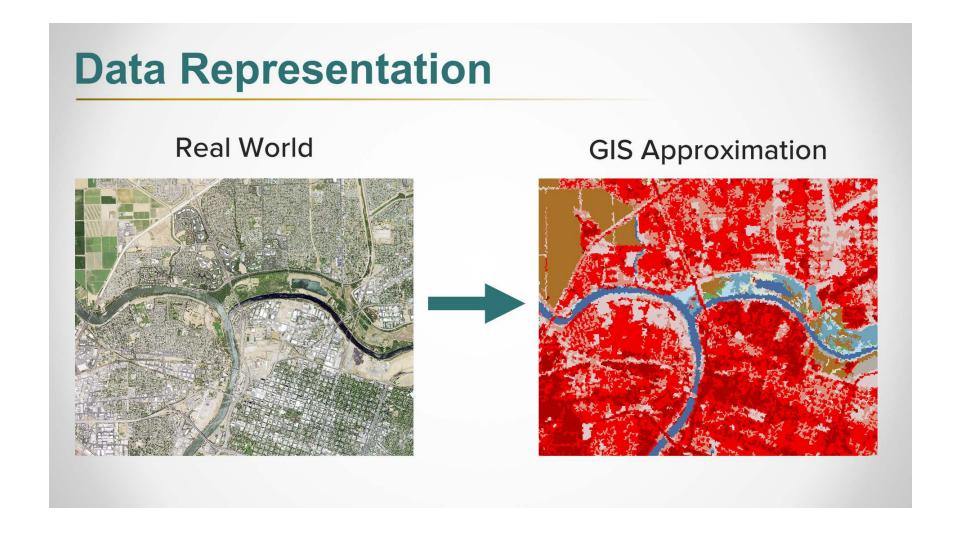
Fundamentals of GIS



Data Representation in GIS



Data Representation

Person





Contacts Manager Approximation

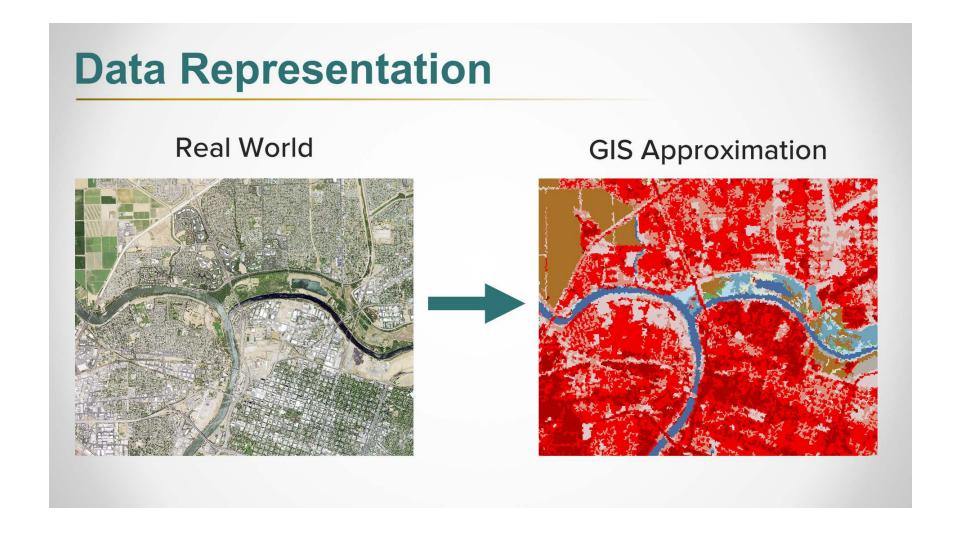


Phone Number

E-Mail Address

Physical Address

Notes



Vector and Feature Data

Points, Lines, and Polygons

Points:

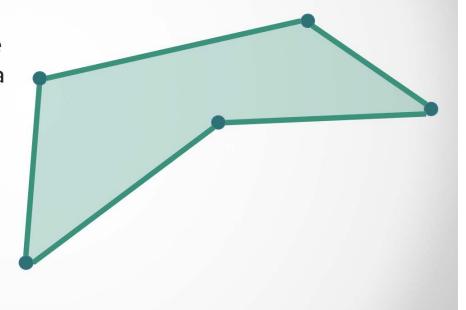
- Dimensionless, location in space
- Symbol Determines Display Data

Lines:

One Dimension

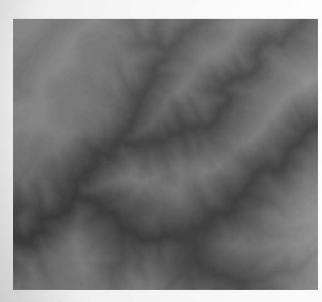
Polygons:

- Two Dimensions
- Used to group locations that are the same type



Raster Data

Grid of Fixed-Size Pixels



Part of a digital elevation model from National Elevation Dataset

5	6	4
8	9	3
7	4	7