

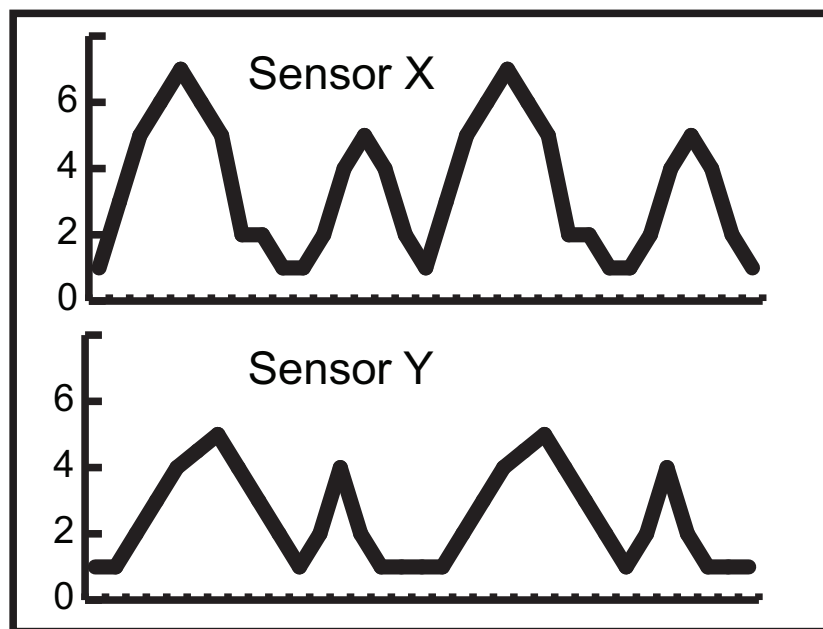
Chapter 6:

Faceting/Multiple Views

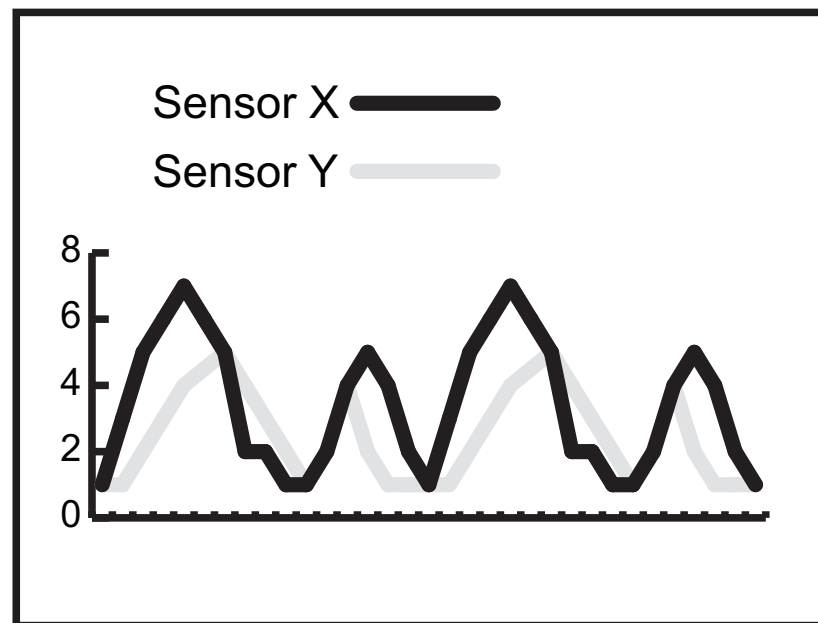
Combining views

- often information too complex for a single view
- show multiple views side by side
- **Eyes Over Memory**: two simultaneous views have lower cognitive load than remembering previous view
- real-estate trade-off: popup view vs. static side-by-side
- OR - single view that is changed through interaction (filtering, aggregation, navigation)

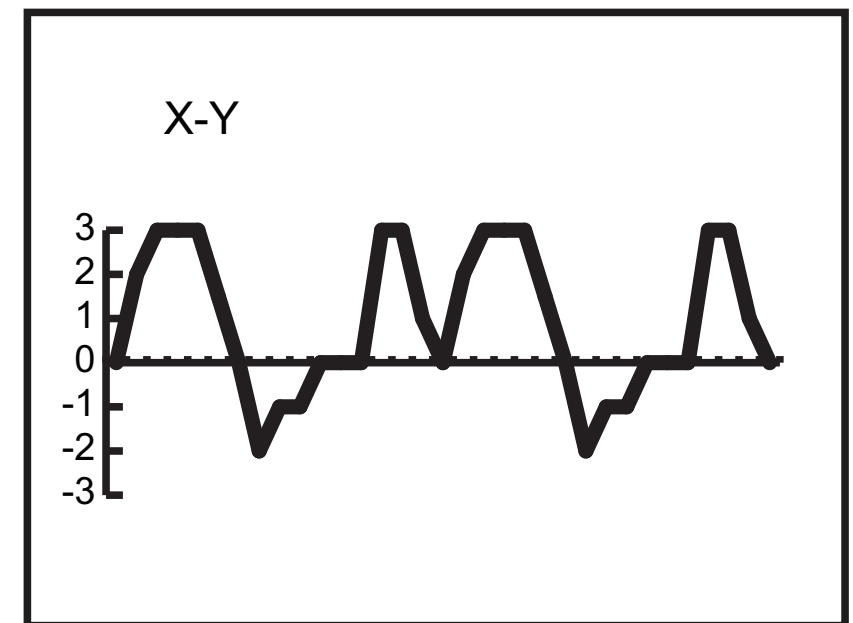
How to show multiple views



a) Juxtaposition



b) Superposition

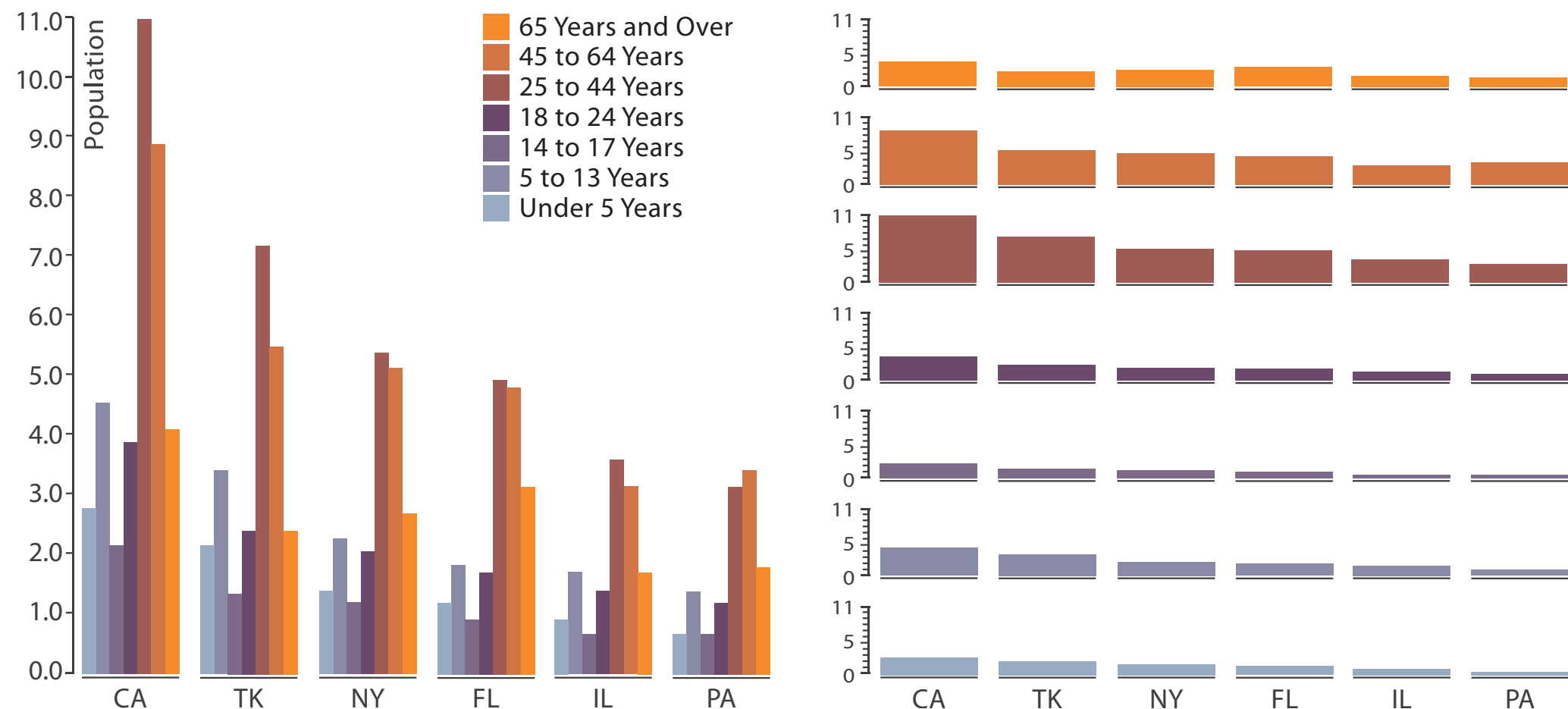


c) Explicit Encoding:
Difference

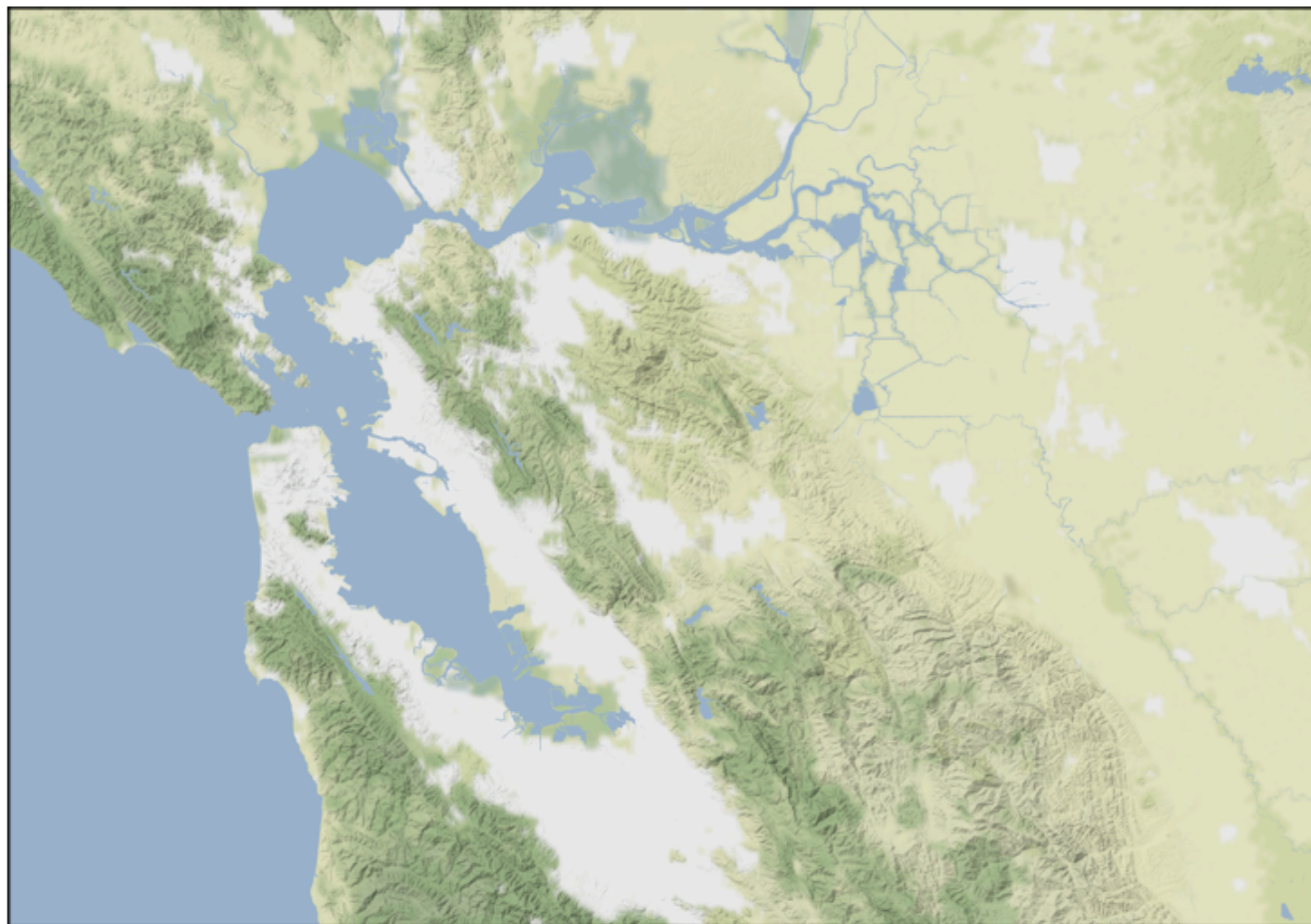
Visual Comparison for Information Visualization , Gleicher et al. 2011

Partitioning — Multiple keys

- we have a choice of order of stacking
- typically should be based on some order



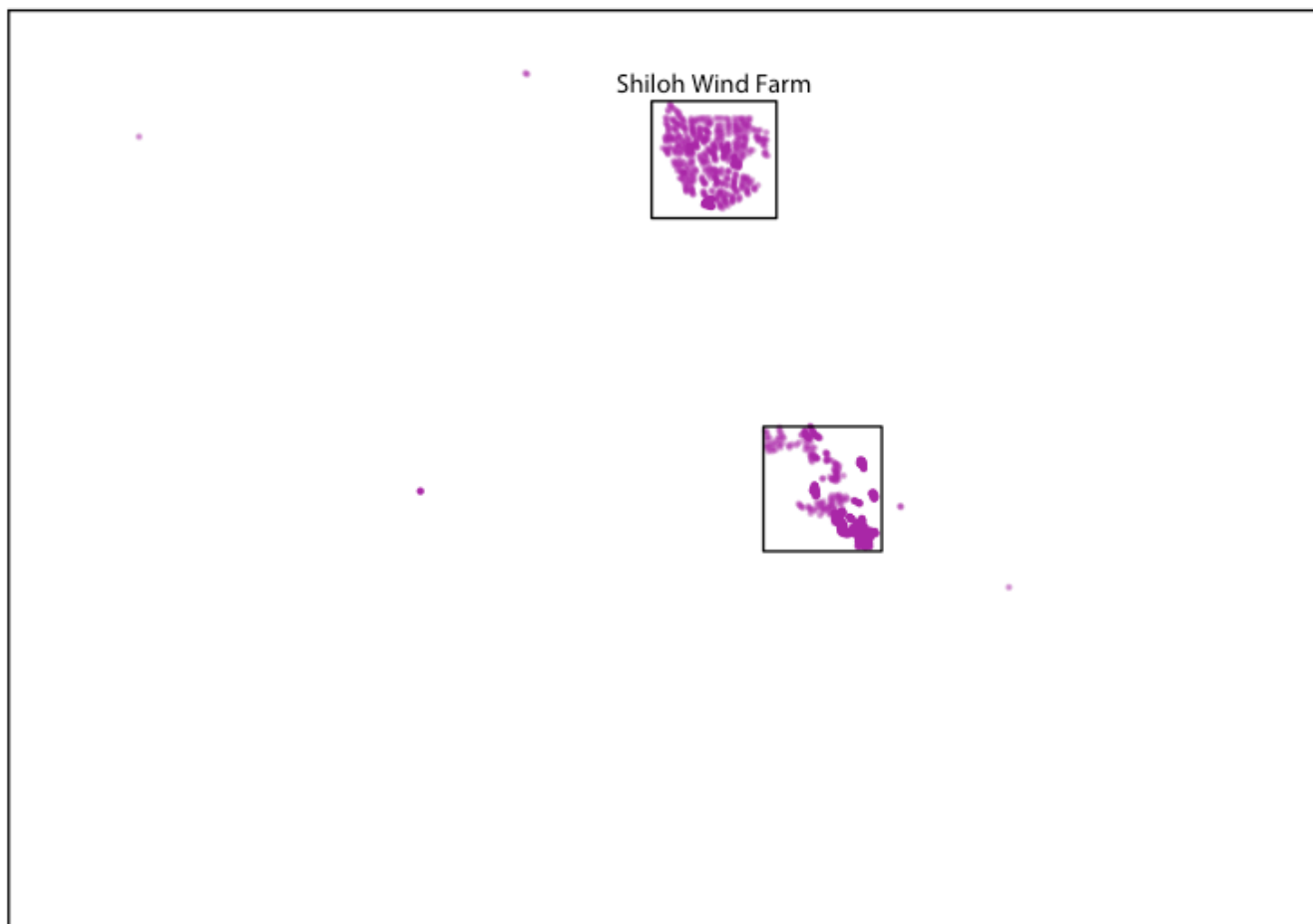
terrain



roads



wind turbines



city labels, scale bar

