

Measures can be transformed into dimension hierarchies by using the same nice numbers used for tick mark generation:  $\{1 \text{ or } 2 \text{ or } 5\} * 10^x$ .

Types of dimensions:

- Derived from numeric properties
  - From binning a single numeric property
- Derived from containment:
  - Class hierarchies
    - Industry hierarchy
    - Species hierarchy
  - Physical containment
    - Geographic containment
    - Temporal containment