

Cartographic Symbolology

	POINT	LINE	AREA
NOMINAL	<ul style="list-style-type: none"> • Town ✕ Mine † Church BM X Bench Mark 	<ul style="list-style-type: none"> River Road Graticule Boundary 	<ul style="list-style-type: none"> Swamp Desert Forest Census Regions
ORDINAL	<ul style="list-style-type: none"> Large Medium Small 	(Roads) <ul style="list-style-type: none"> Interstate U.S. numbered State County 	<ul style="list-style-type: none"> Major industrial region Minor industrial region
INTERVAL - RATIO	REPETITION Each dot represents 75 persons GRADUATED One-dimensional Bars Two-dimensional Circles, squares, triangles, etc.	REPETITION Isarithms GRADUATED Hachures Flowlines	

FIGURE 5.6 Some examples of the three classes of representation (point, line, area) and how they might be used to portray nominal, ordinal and interval-ratio data.

Table 25.2
Appropriate Uses of the Visual Variables for Symbolization

Feature Dimension	Level of Measurement	
	Nominal Qualitative	Ordinal/Interval/Ratio Quantitative
Point	hue (color) shape	size value (color) chroma (color)
Line	hue (color) shape orientation	size value (color) chroma (color)
Area	hue (color) shape pattern orientation	value (color) chroma (color) size
Volume	hue (color) shape pattern orientation	value (color) chroma (color) size

The visual variable in *italics* are of secondary importance.

Volumetric Map Symbols

