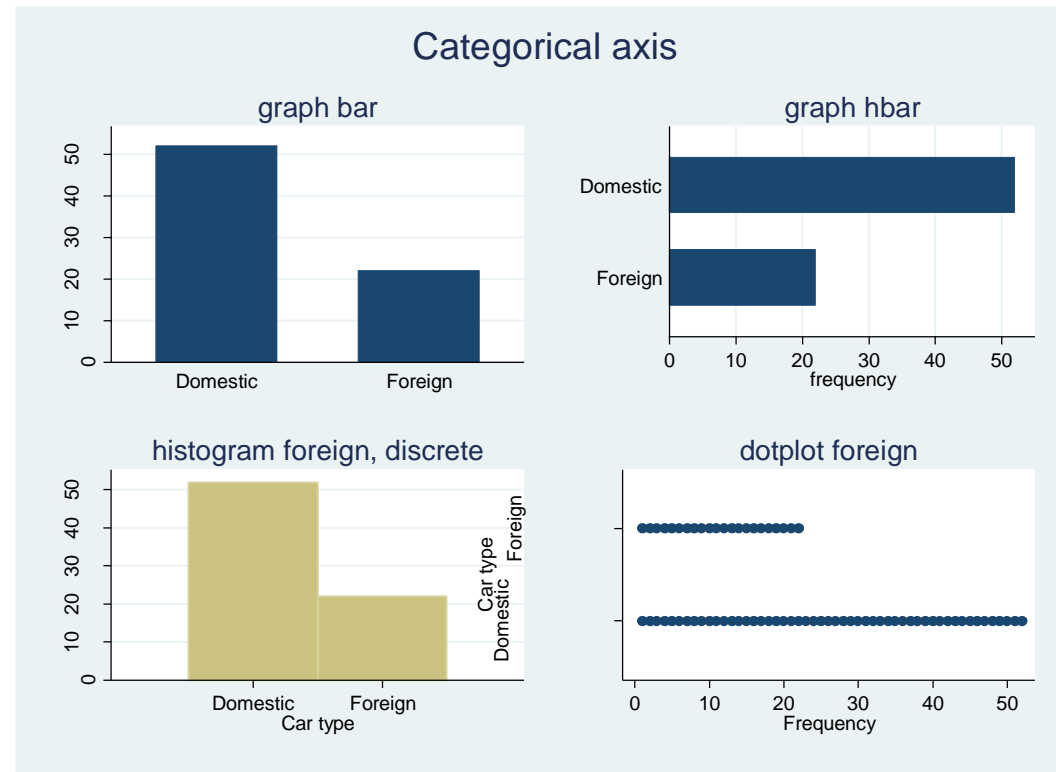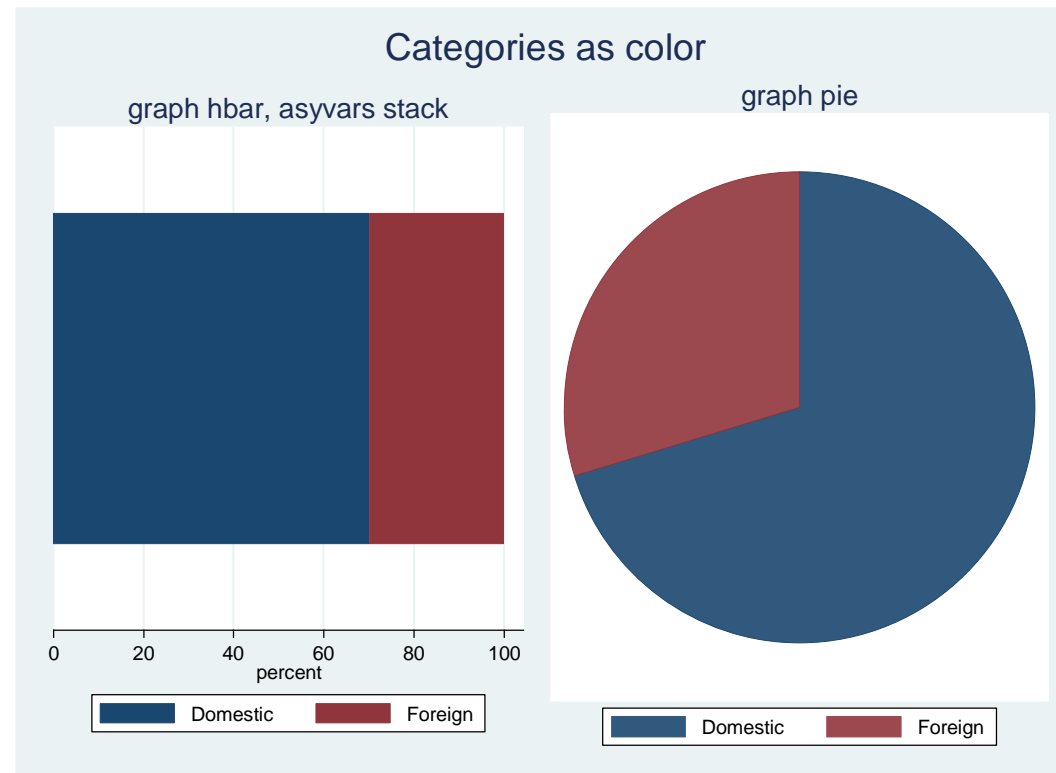# Thinking about Graphics

Scales in Stata

Level of measurement

- Categorical versus continuous

- Categorical data may be represented as
  - Position along a categorical axis
  - Aesthetics such as color, marker type
  - Paneling

- Continuous data may be represented as
  - Position along a continuous axis
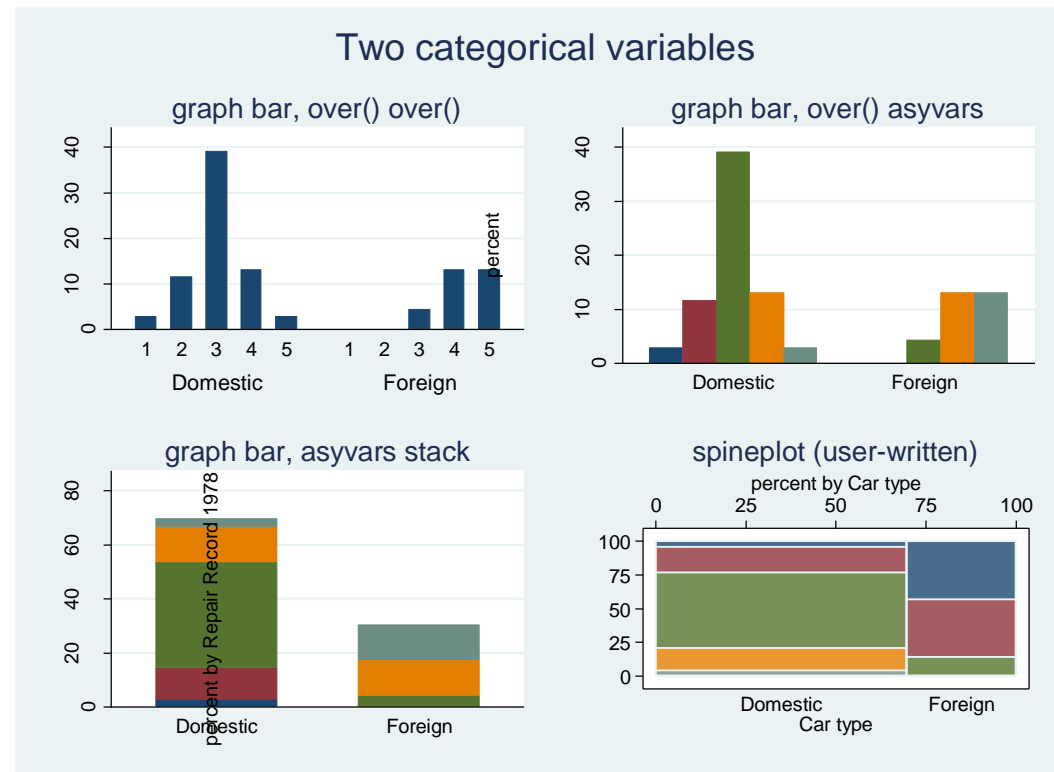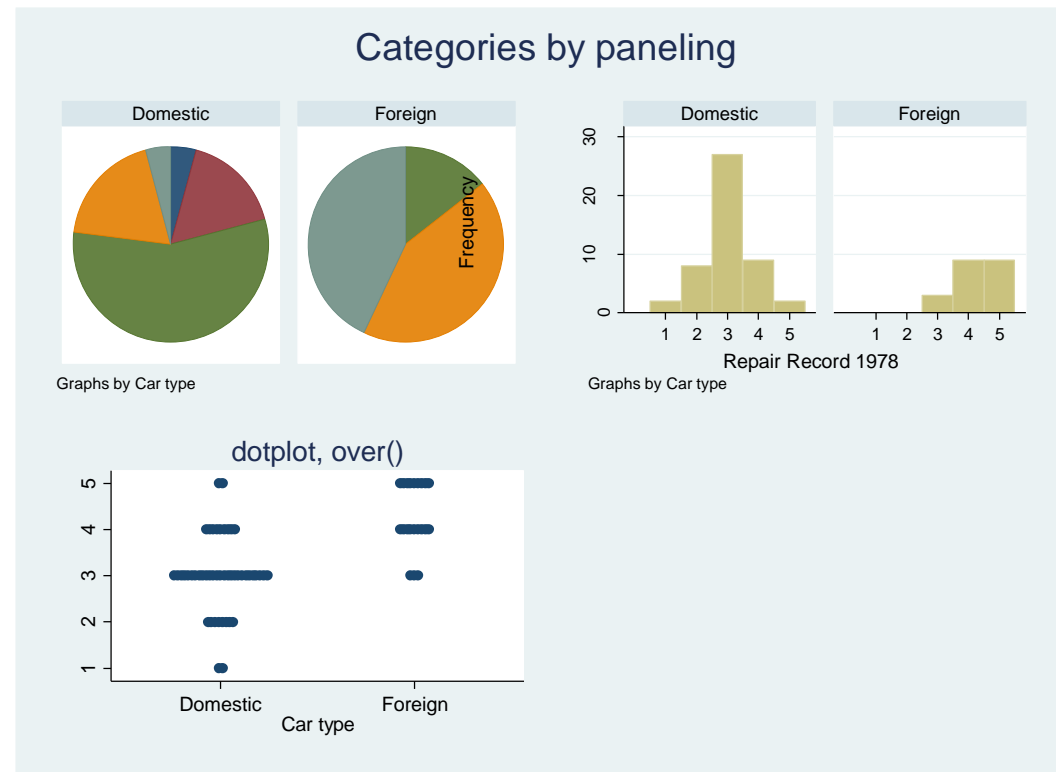 - Aesthetics such as color, marker size

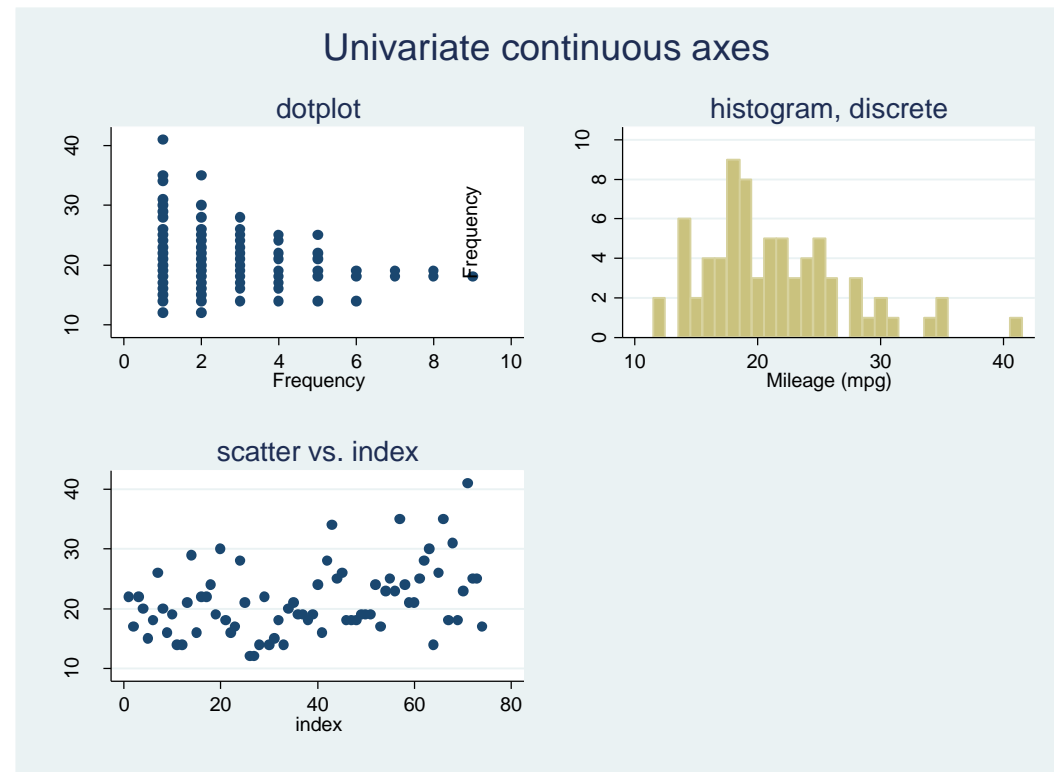# Categories as axes

Categories as aesthetics

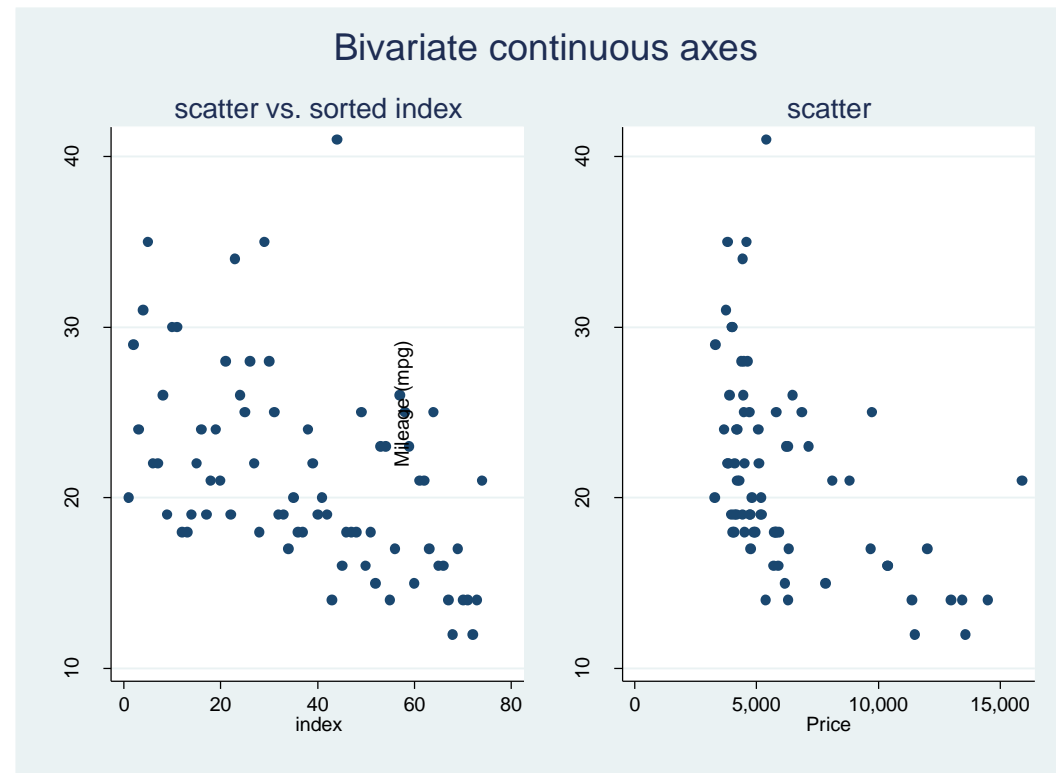# Bivariate category axes & aesthetics

Bivariate category paneling
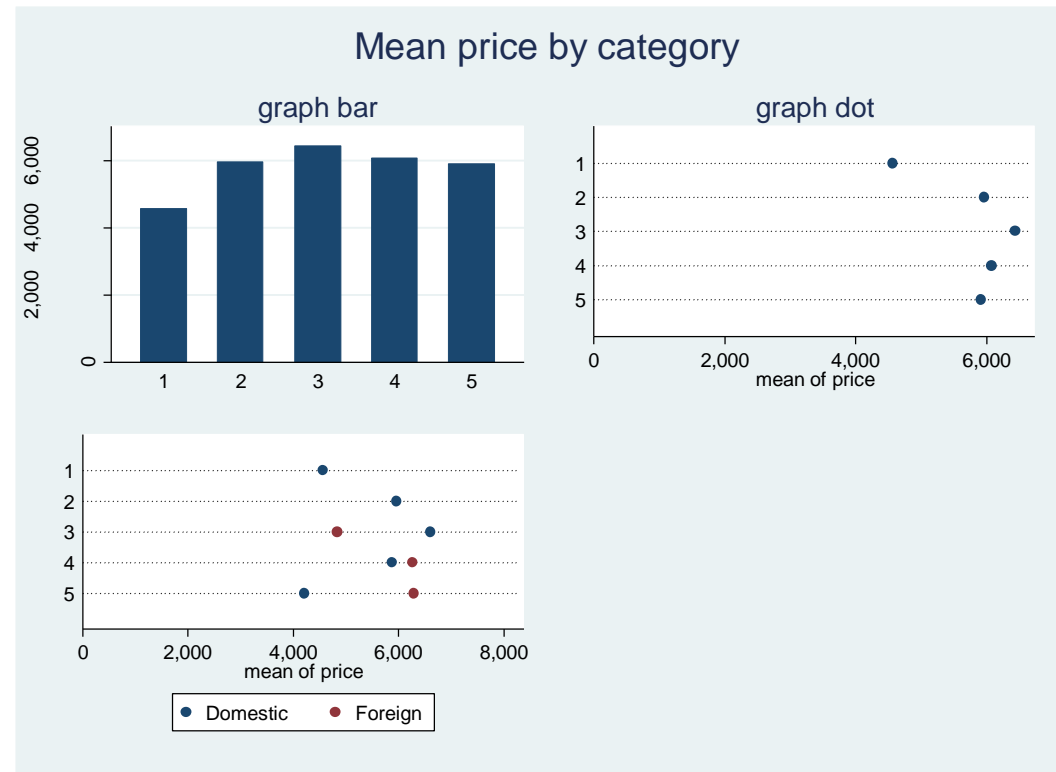
Univariate continuous axis
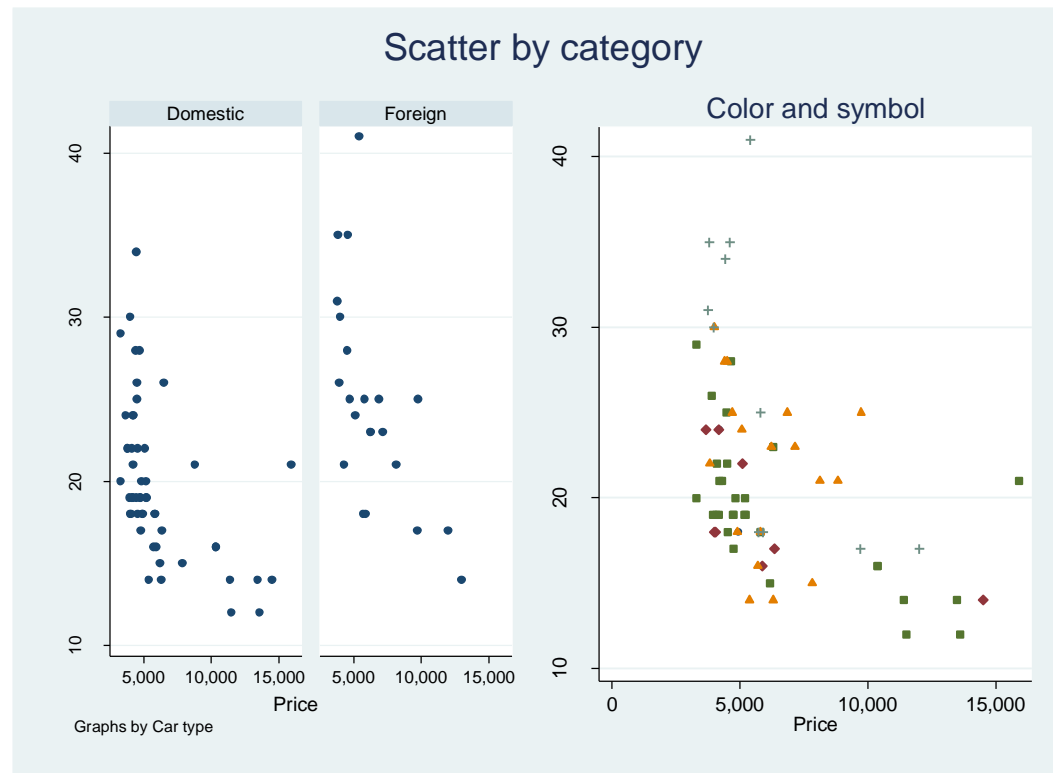
Bivariate continuous axes

Summary (continuous) by category

Scatter by category

Coordinates

- Dimension
  - 2 to 4
- Order
  - Category order
  - Continuous order
- Measurement units
  - Linear
  - Log