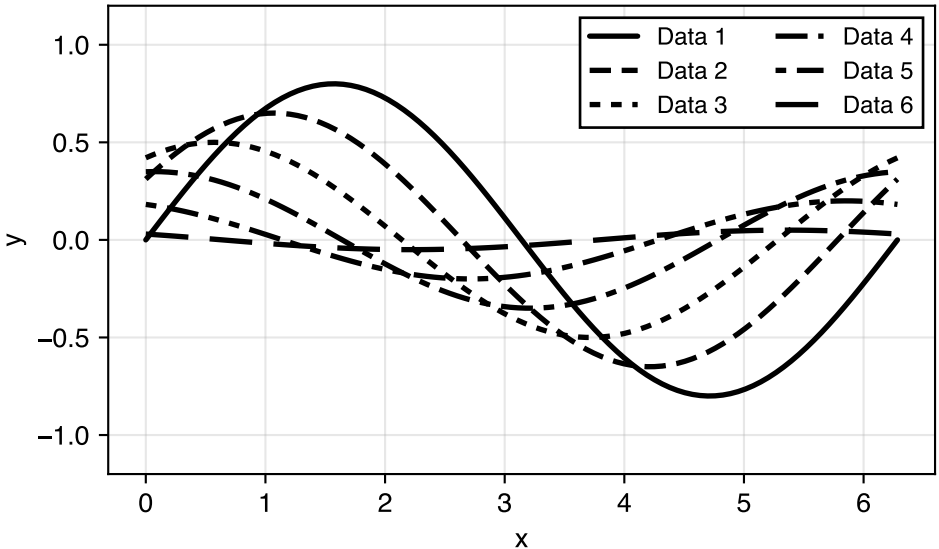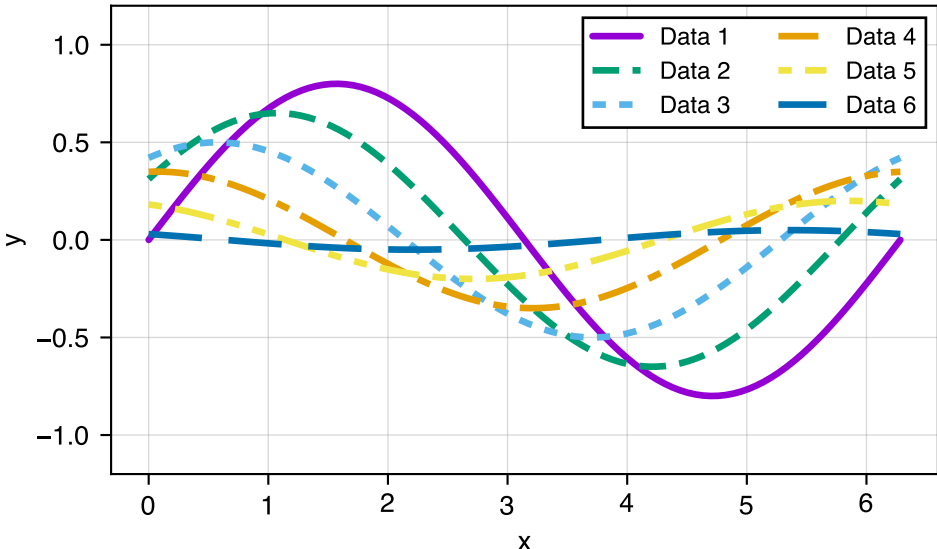# Gnuplot Style Reference - gnuplot_style.py
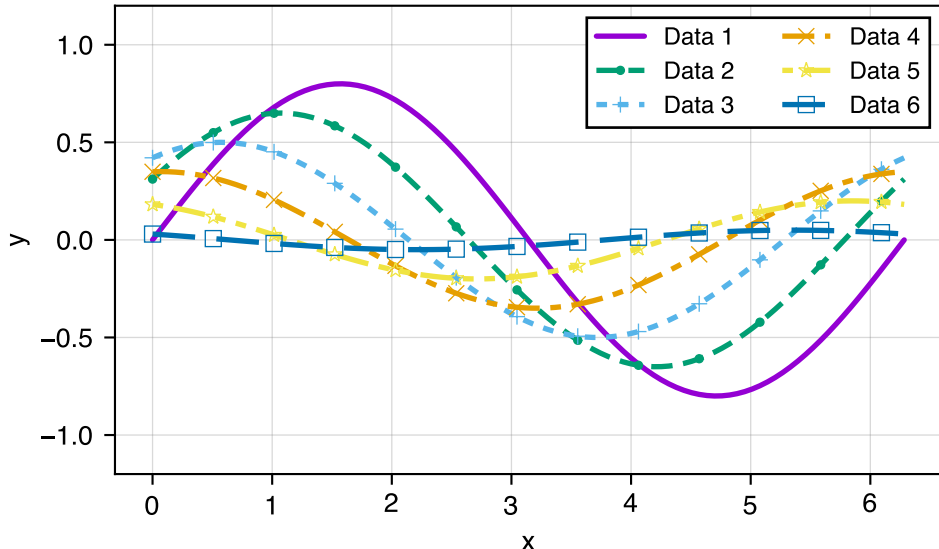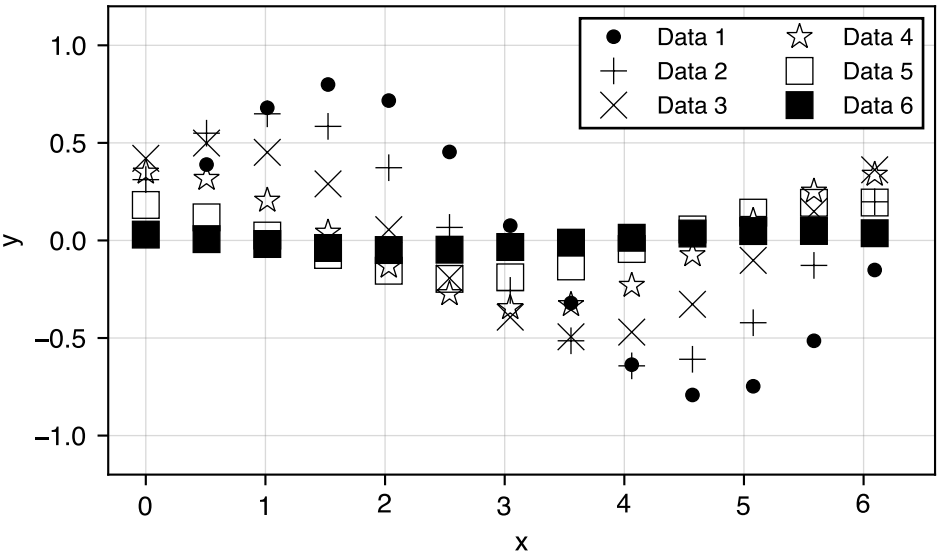## (with integrated gnuplot.mplstyle)

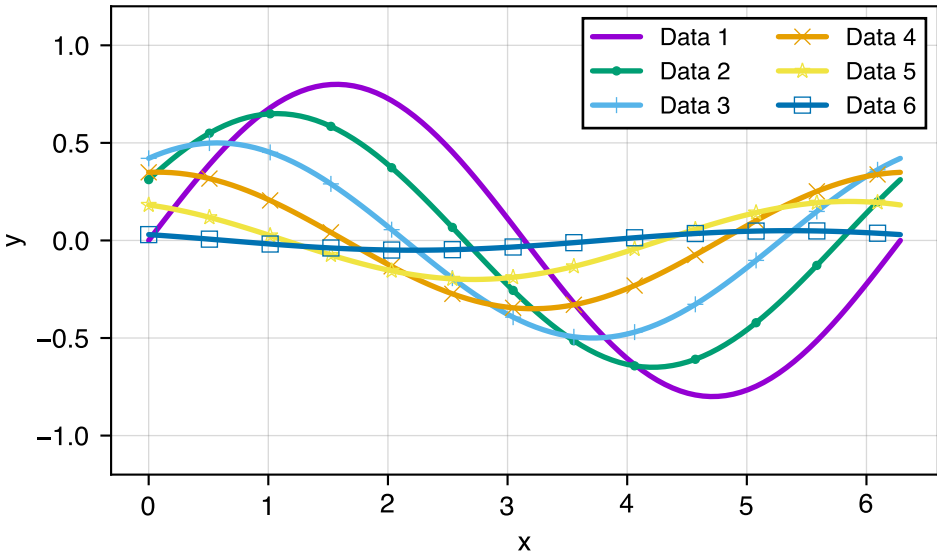gp.use("l") - Lines Only

gp.use("cl") - Lines + Colors

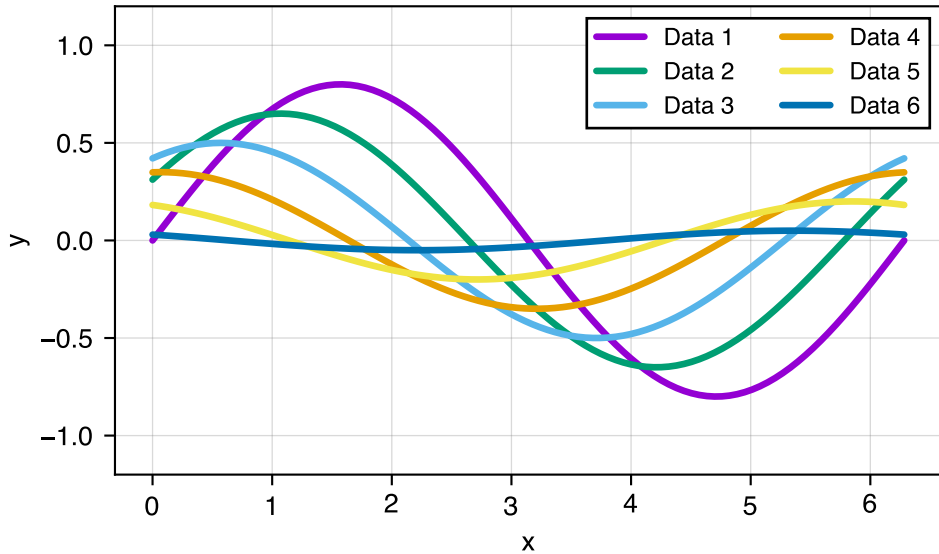gp.use("all") - Lines + Markers + Colors
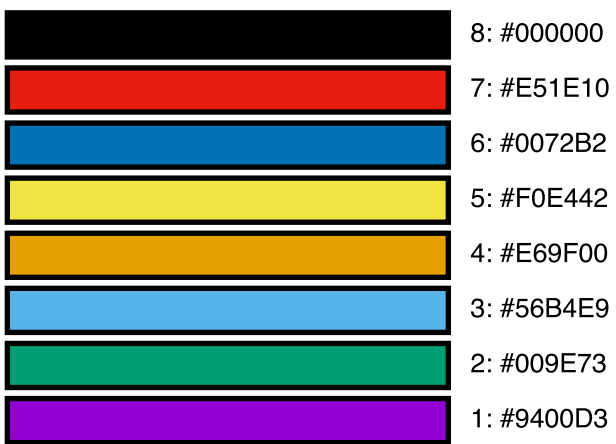
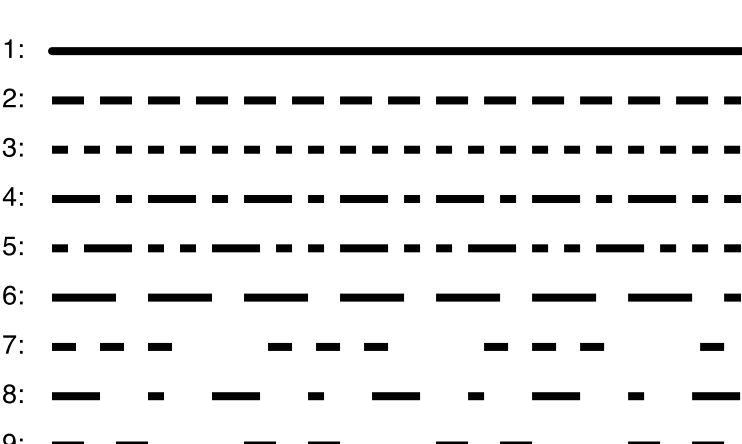gp.use("m", skip_no_marker=True) - Markers Only

gp.use("cm") - Markers + Colors

gp.use("c") - Colors Only

Gnuplot Colors

8: #000000
7: #E51E10
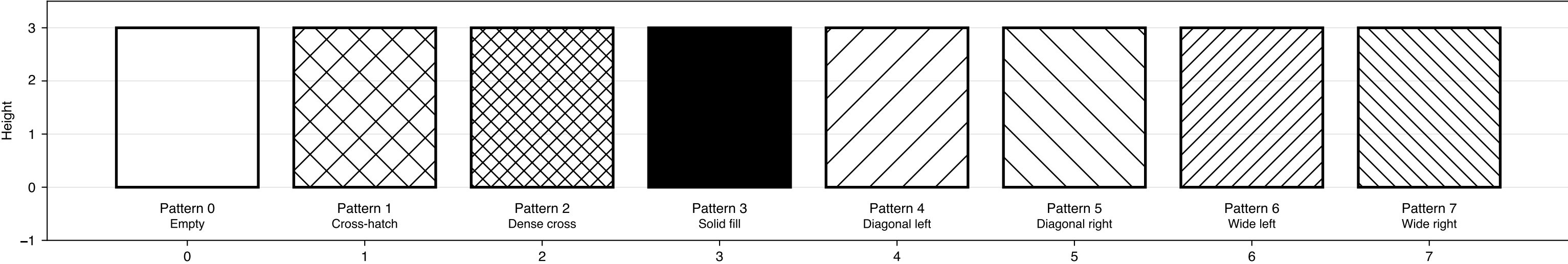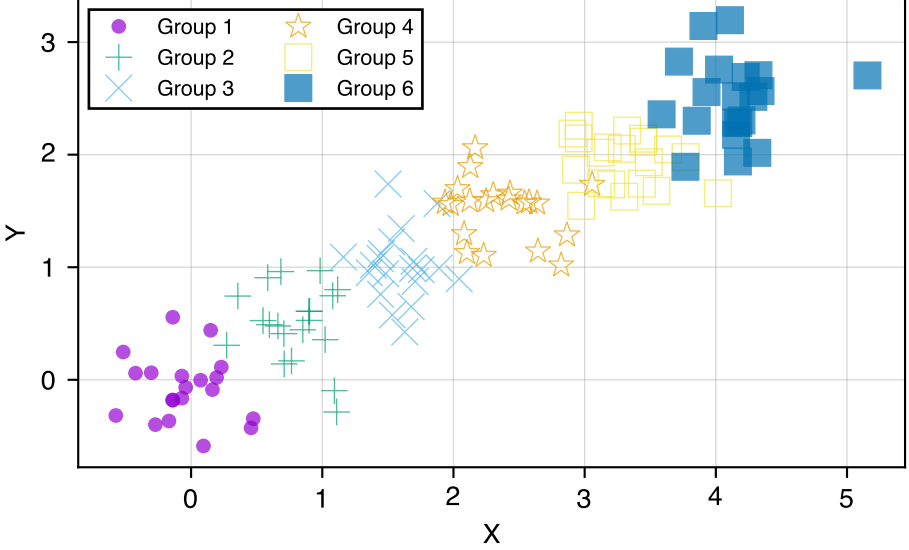6: #0072B2
5: #F0E442
4: #E69F00
3: #56B4E9
2: #009E73
1: #9400D3

Line Styles

Markers (0-16)
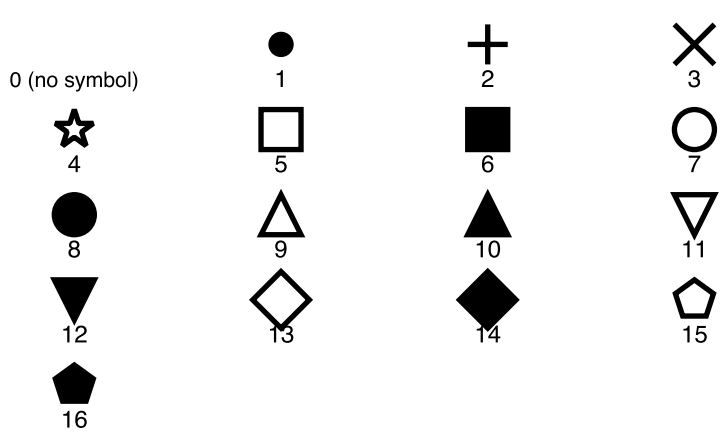
Pattern Fills for Bar Charts

Pattern 0 — Empty
Pattern 1 — Cross-hatch
Pattern 2 — Dense cross
Pattern 3 — Solid fill
Pattern 4 — Diagonal left
Pattern 5 — Diagonal right
Pattern 6 — Wide left
Pattern 7 — Wide right
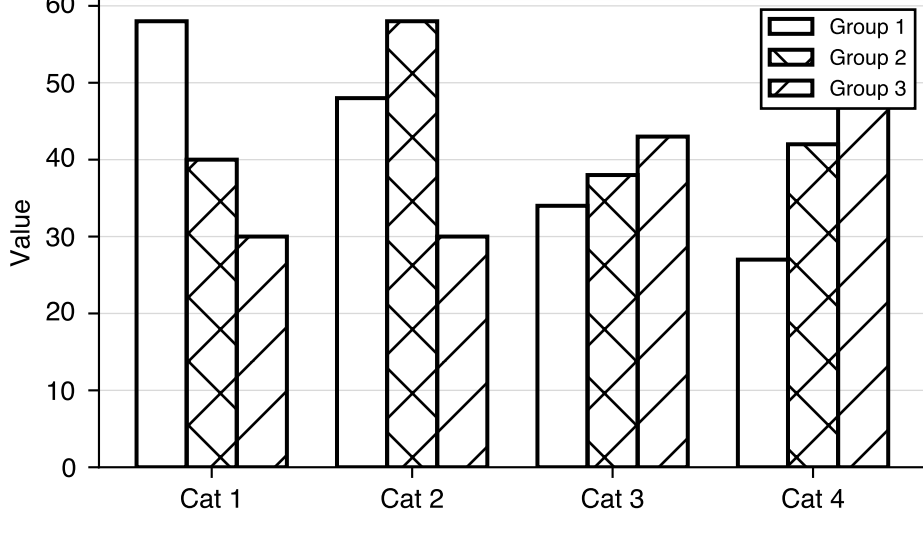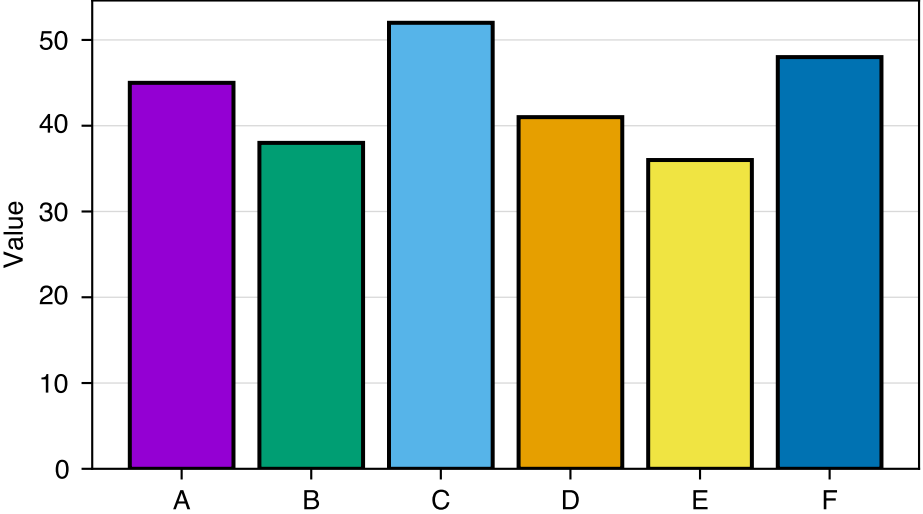
Scatter Plot (Markers + Colors)
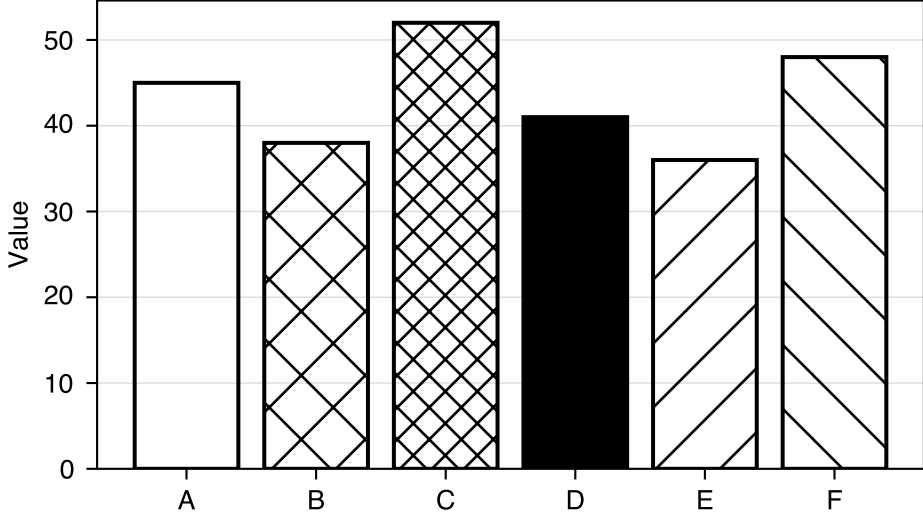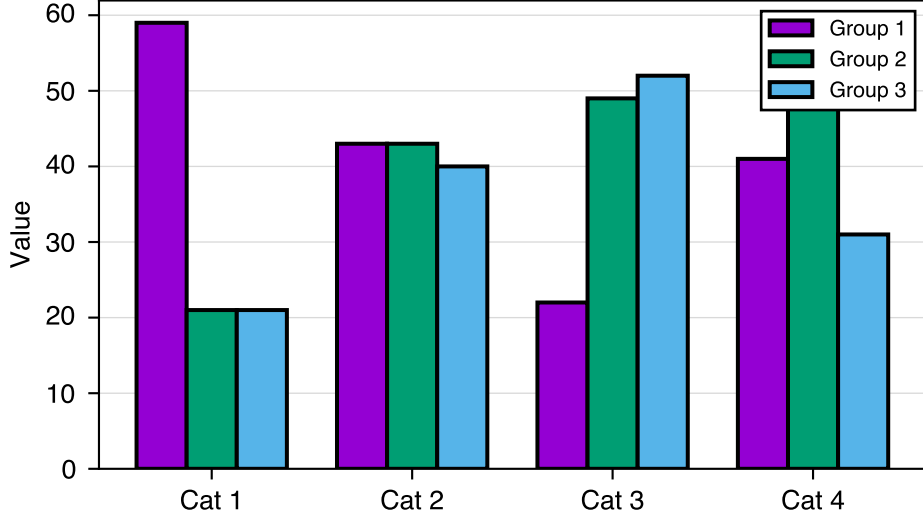
Scatter Plot (Colors Only)
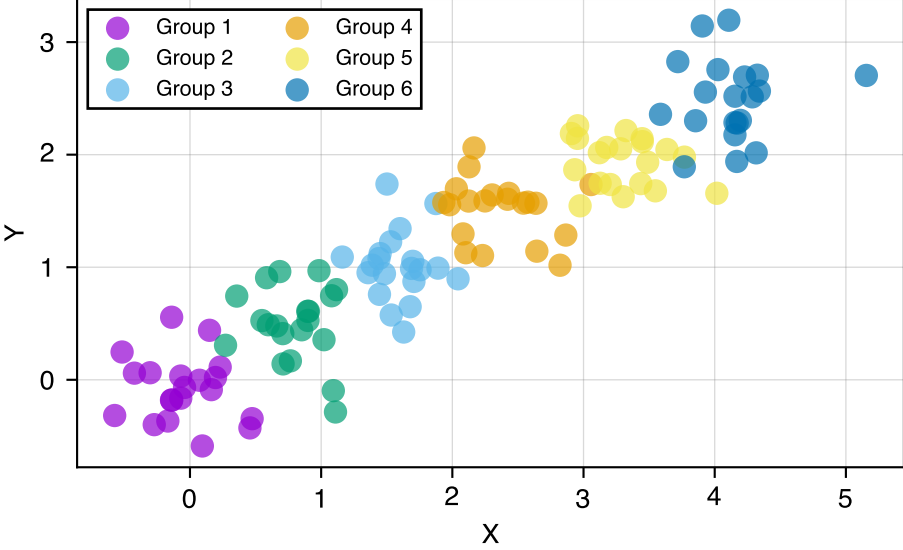
Grouped Bar Chart (Patterns)

Bar Chart (Colors)

Bar Chart (Patterns)

Grouped Bar Chart (Colors)

Usage Examples

```
import gnuplot_style as gp
import matplotlib.pyplot as plt

# Apply a style (automatically loads gnuplot.mplstyle)
gp.use('cl')   # Colors + Lines
gp.use('cm')   # Colors + Markers
gp.use('all')  # All features

# Disable mplstyle if needed
gp.use('c', apply_mplstyle=False)

# Then plot normally
plt.plot(x, y)

# For bar patterns:
bars = plt.bar(x, heights)
gp.apply_pattern(bars, pattern_index)
```

Available Styles:
  'c'   - Colors only
  'l'   - Lines only (black)
  'm'   - Markers only
  'cl' - Colors + Lines
  'cm' - Colors + Markers
  'all' - All combined

Convenience functions:
  gp.colors()
  gp.lines()
  gp.markers()
  gp.colors_lines()
  gp.colors_markers()
  gp.all()

Integrated gnuplot.mplstyle:
  Serif fonts (Computer Modern)
  Figure: 6.4x4.8, 300 DPI
  Ticks: gnuplot style
  Legend: white bg, black border
  No grid by default
  Error bars: no caps
  And much more...