

# ggplot

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## Basic components of ggplot2 Plot

- **A data frame**
- **aesthetic mappings:** How data are mapped to color, size.
- **geoms:** Geometric objects like points, lines, shapes.
- **facets:** For conditional plots
- **stats:** statistical transformations like binning, quantiles, smoothing.
- **scales:** What scale an aesthetic map uses(example, male = red, female = blue)
- **coordinate system**