

Why R?

- virtually unlimited graphical options
- opinionated graphics
- analytical tools (> 13,000 CRAN packages)
- community
- reproducibility
- ease of workflow: everything in one document
- free and open source

Why not R?

- learning curve
- lack of GUI for graphics
- interactive graphics are not native

Graphics in R

pie {graphics}

R Documentation

Pie Charts

Description

Draw a pie chart.

Usage

```
pie(x, labels = names(x), edges = 200, radius = 0.8,  
    clockwise = FALSE, init.angle = if(clockwise) 90 else 0,  
    density = NULL, angle = 45, col = NULL, border = NULL,  
    lty = NULL, main = NULL, ...)
```

Arguments

<code>x</code>	a vector of non-negative numerical quantities. The values in <code>x</code> are displayed as the areas of pie slices.
<code>labels</code>	one or more expressions or character strings giving names for the slices. Other objects are coerced by as.graphicsAnnot . For empty or NA (after coercion to character) labels, no label nor pointing line is drawn.
<code>edges</code>	the circular outline of the pie is approximated by a polygon with this many edges.
<code>radius</code>	the pie is drawn centered in a square box whose sides range from <code>-1</code> to <code>1</code> . If the character strings labeling the slices are long it may be necessary to use a smaller radius.
<code>clockwise</code>	logical indicating if slices are drawn clockwise or counter clockwise (i.e., mathematically positive direction), the latter is default.

Base R vs. Tidyverse

