

Working with Hierarchical Layouts

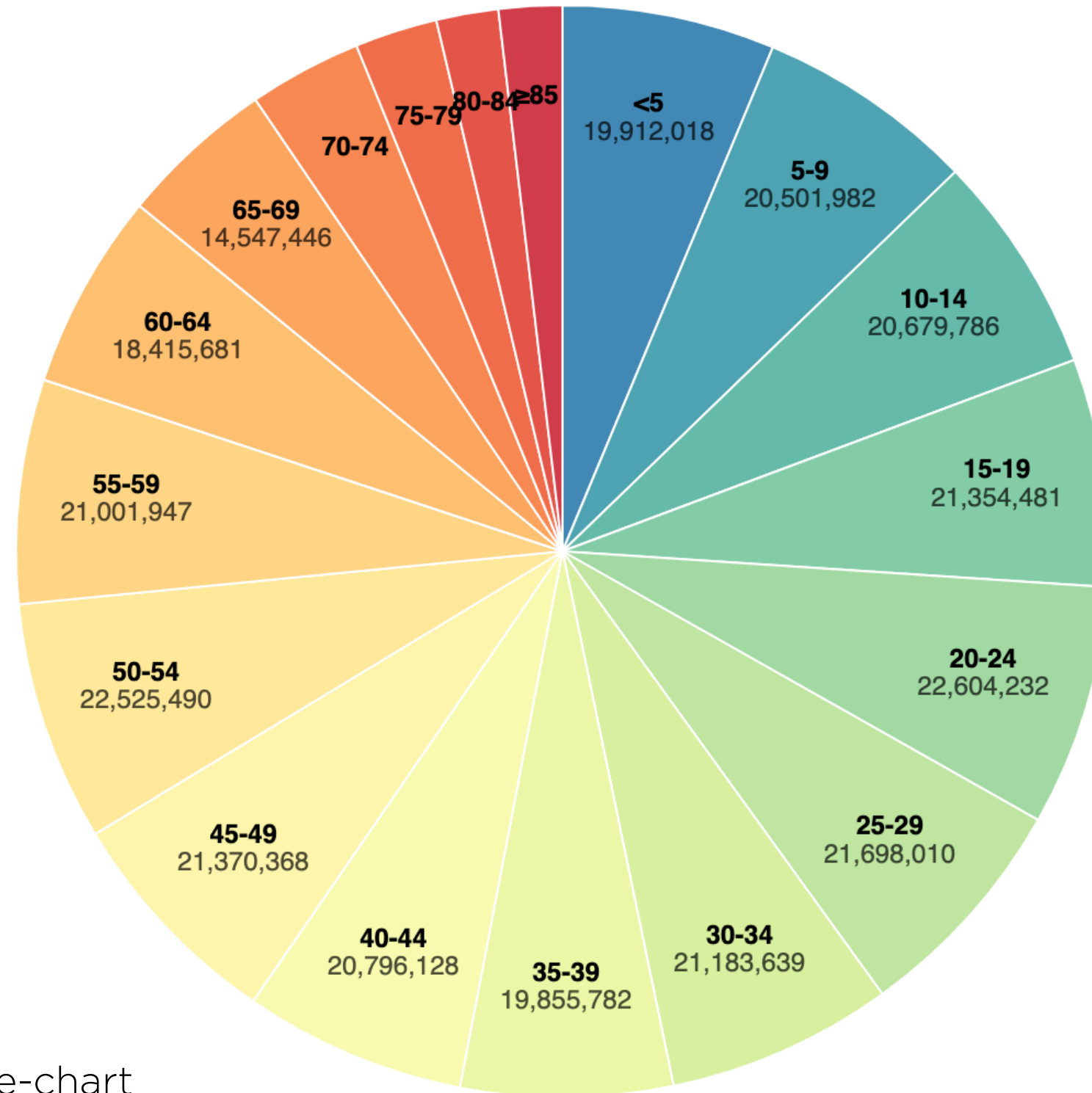


Lars Verspohl

VISUALIZATION DESIGNER AND DEVELOPER

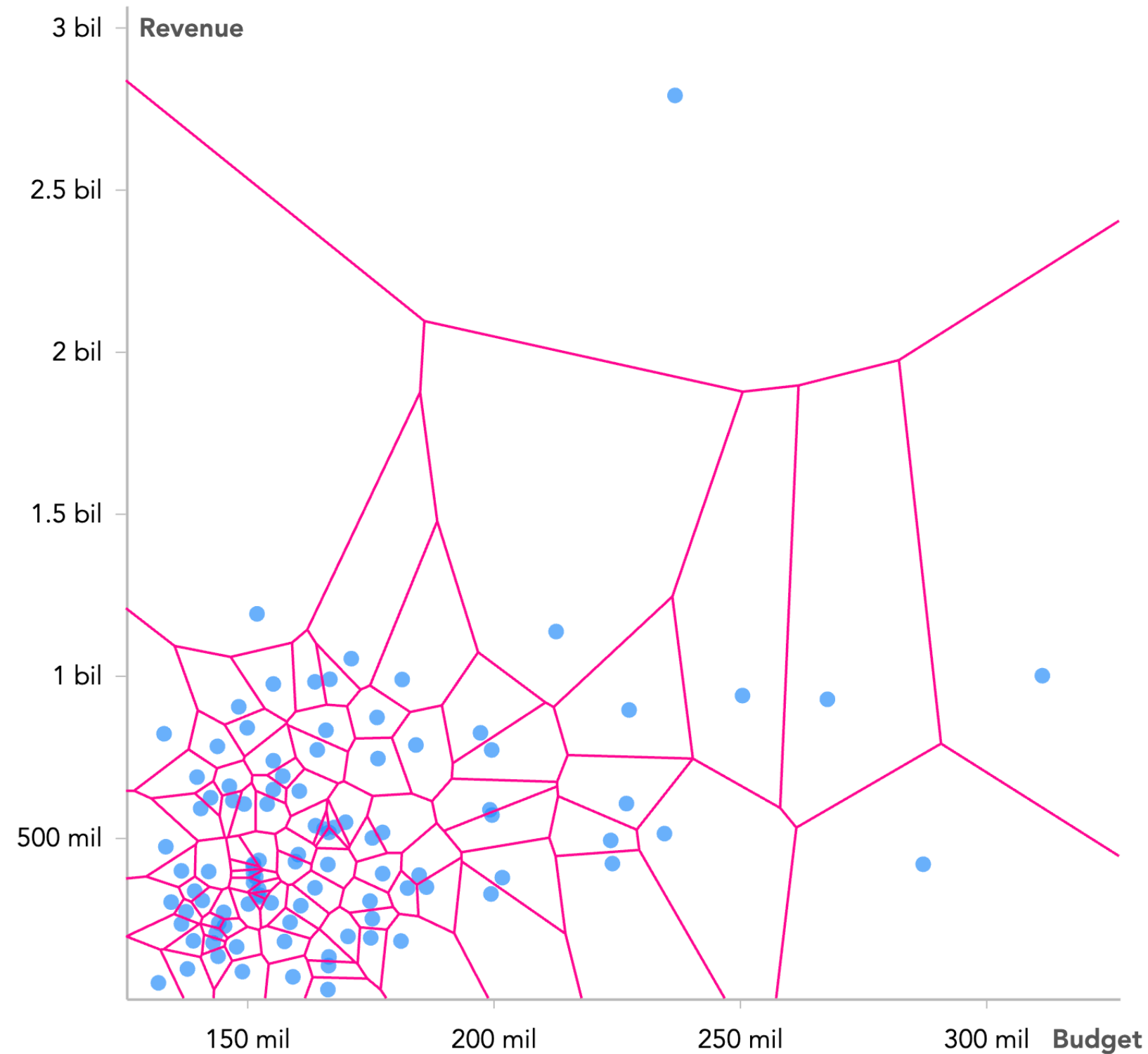
@lars_vers www.datamake.io

Layout Examples



Pie layout

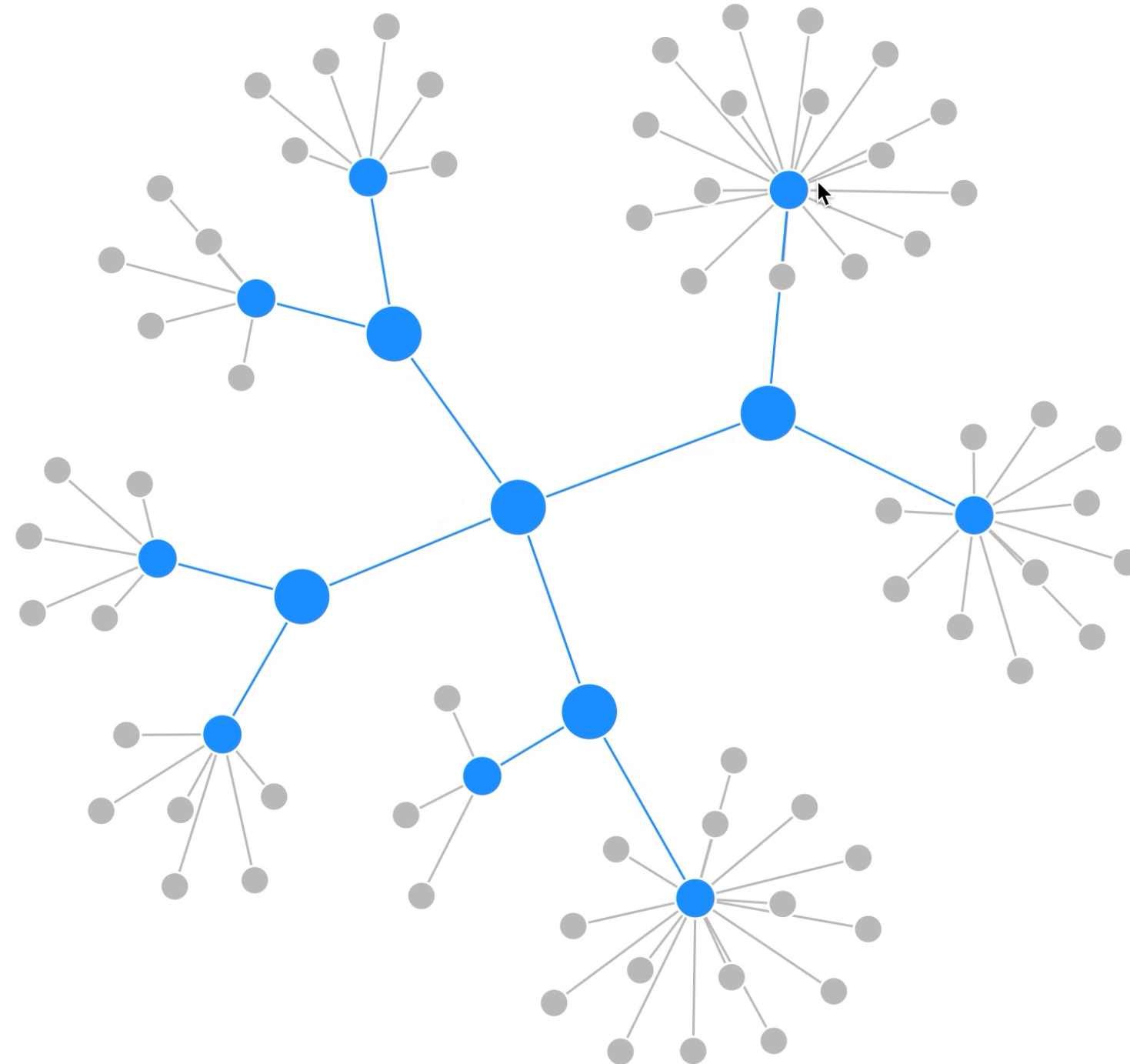
Layout Examples



Pie layout

Voronoi layout

Layout Examples

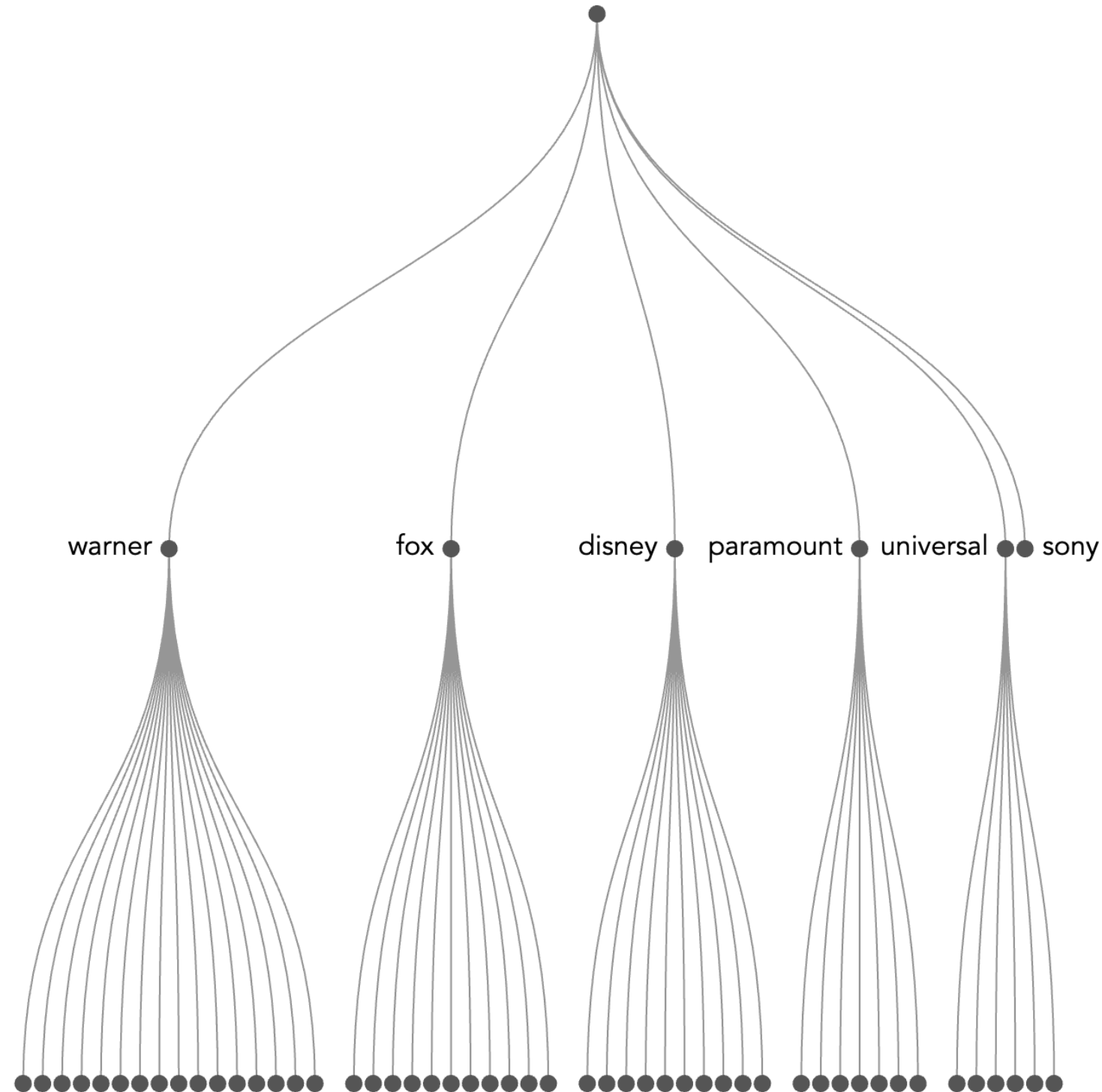


Pie layout

Voronoi layout

Force layout

Layout Examples



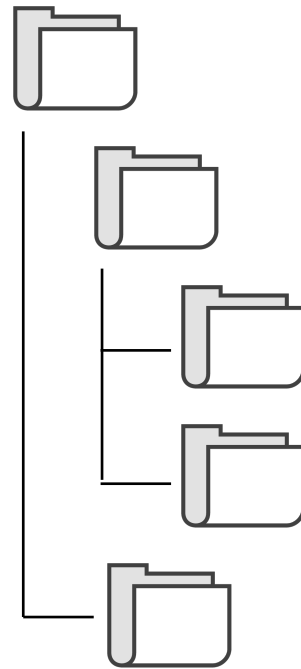
Pie layout

Voronoi layout

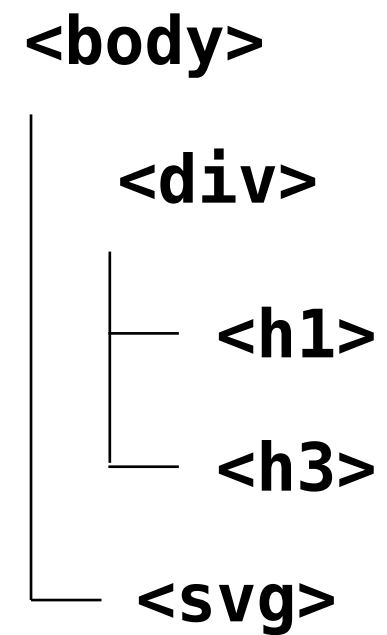
Force layout

Hierarchical layout

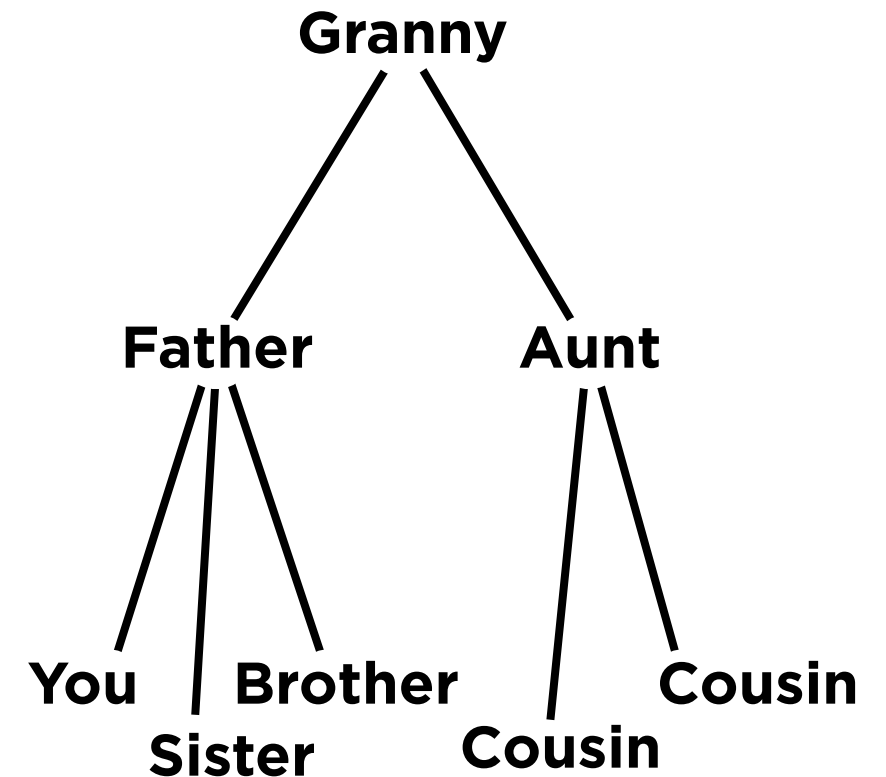
Hierarchies in the Wild



**Directory
structure**

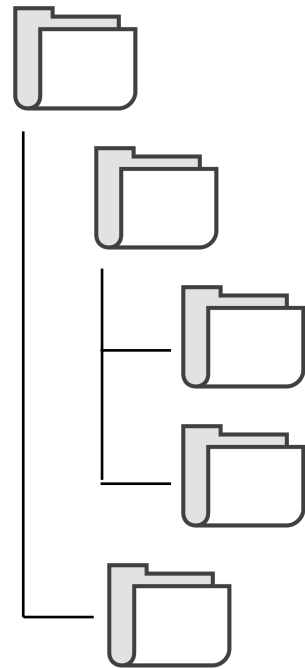


DOM

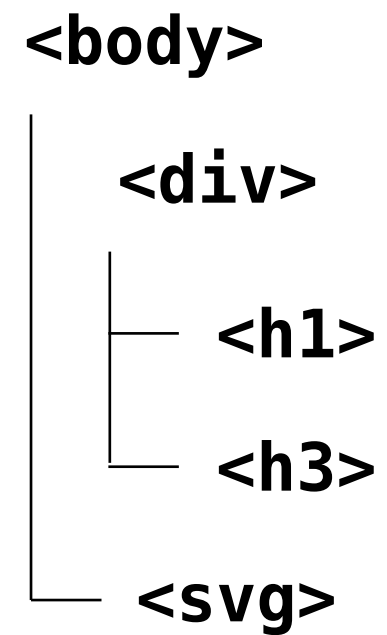


Family tree

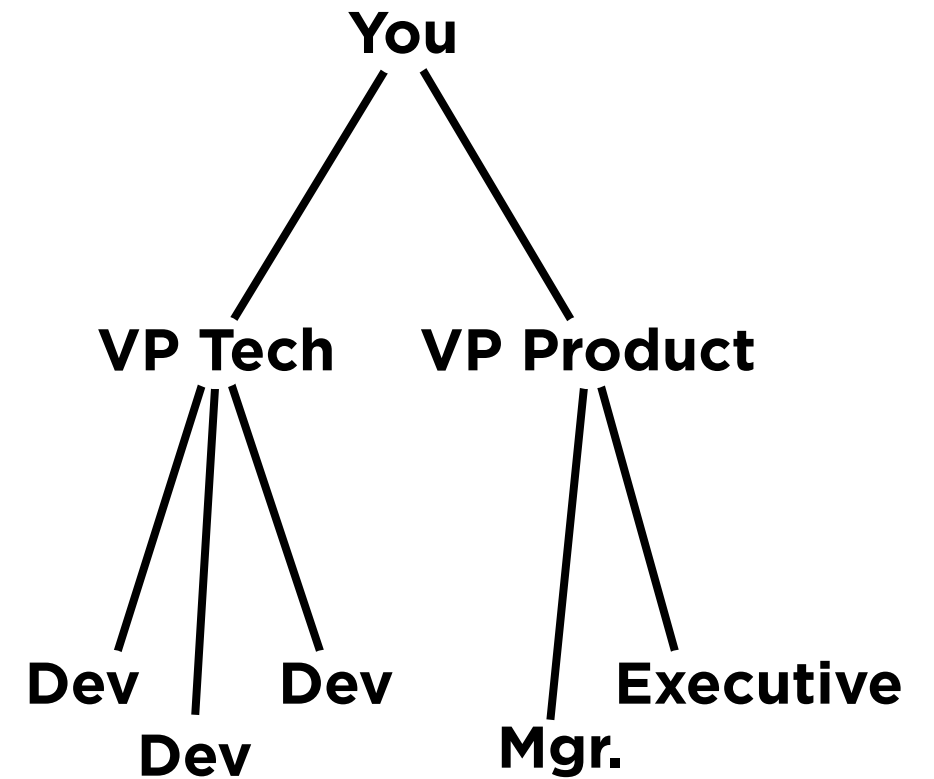
Hierarchies in the Wild



**Directory
structure**



DOM



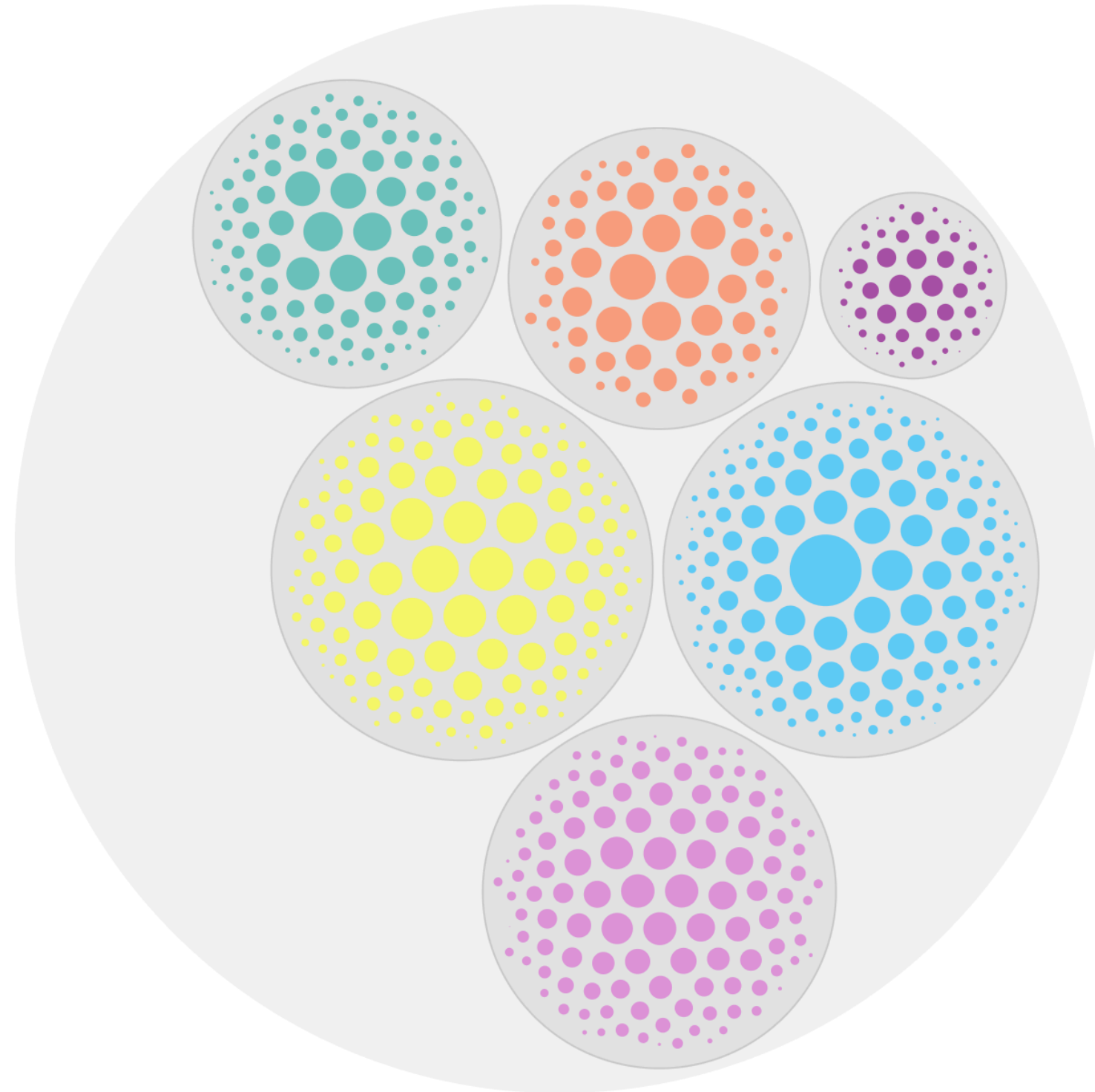
Organigram

Overview

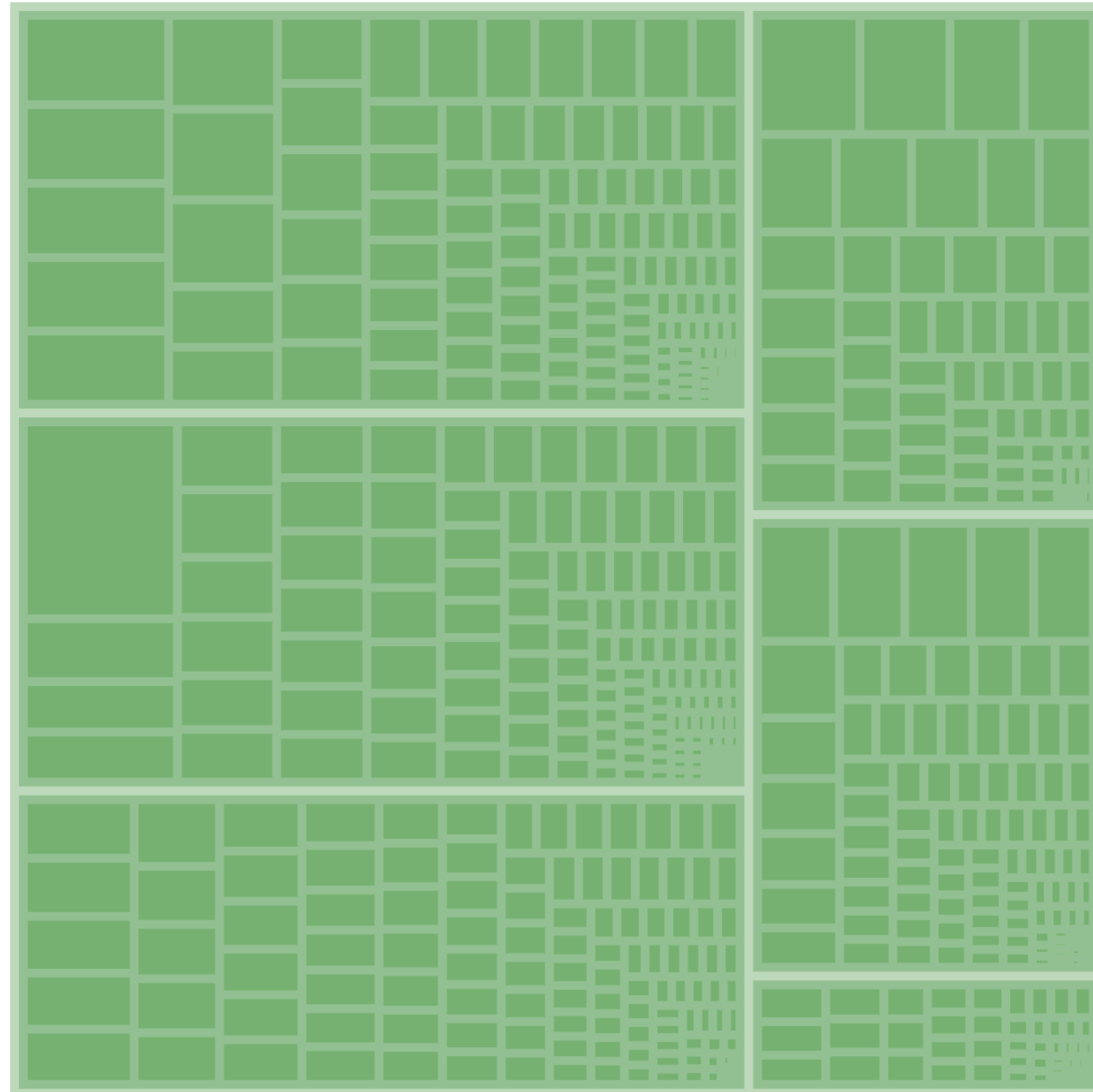
What is a layout?

Use a layout to generate hierarchical data

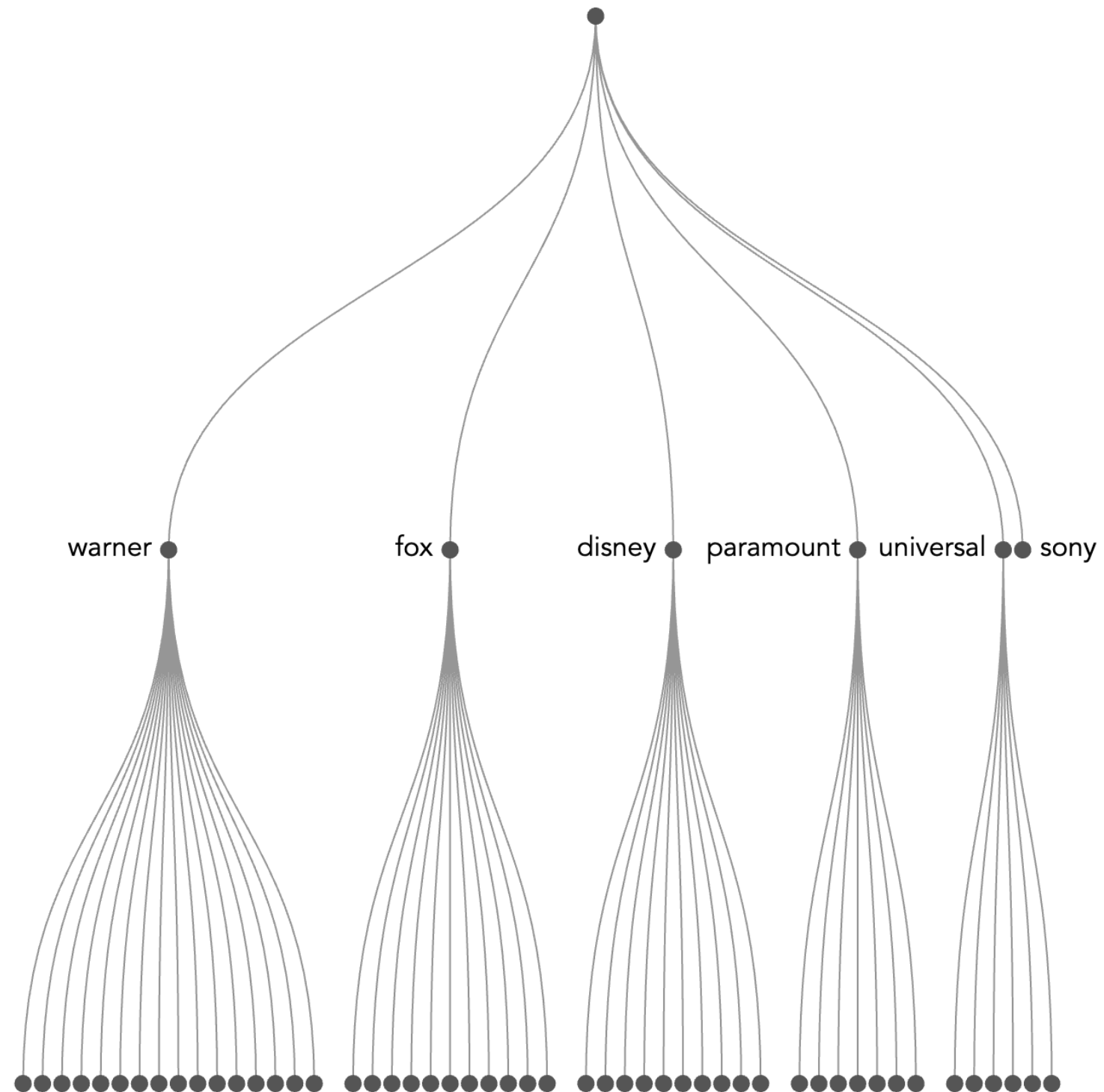
Circle Packing



Treemap



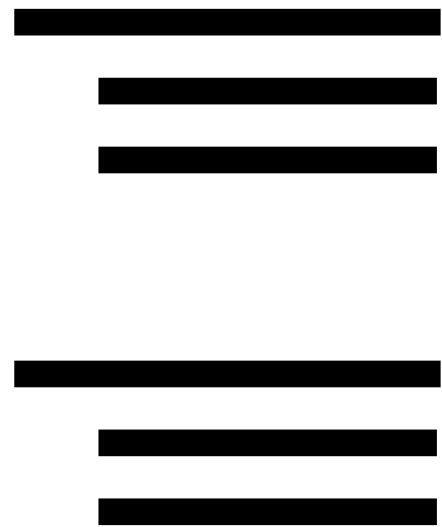
Tree



What is a D3 layout?

A layout is a function that takes
your data and adds additional
variables to it

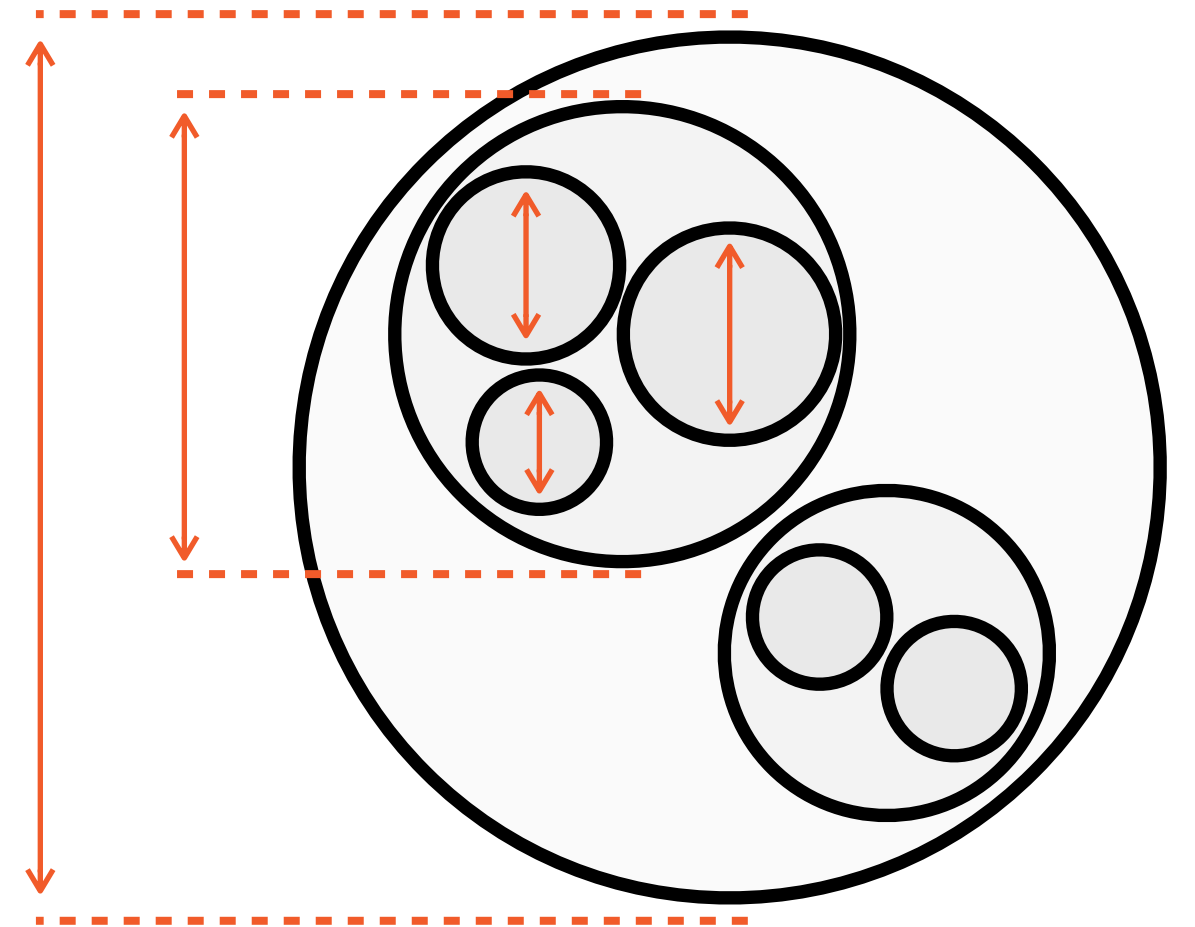
What is a Layout?



Data

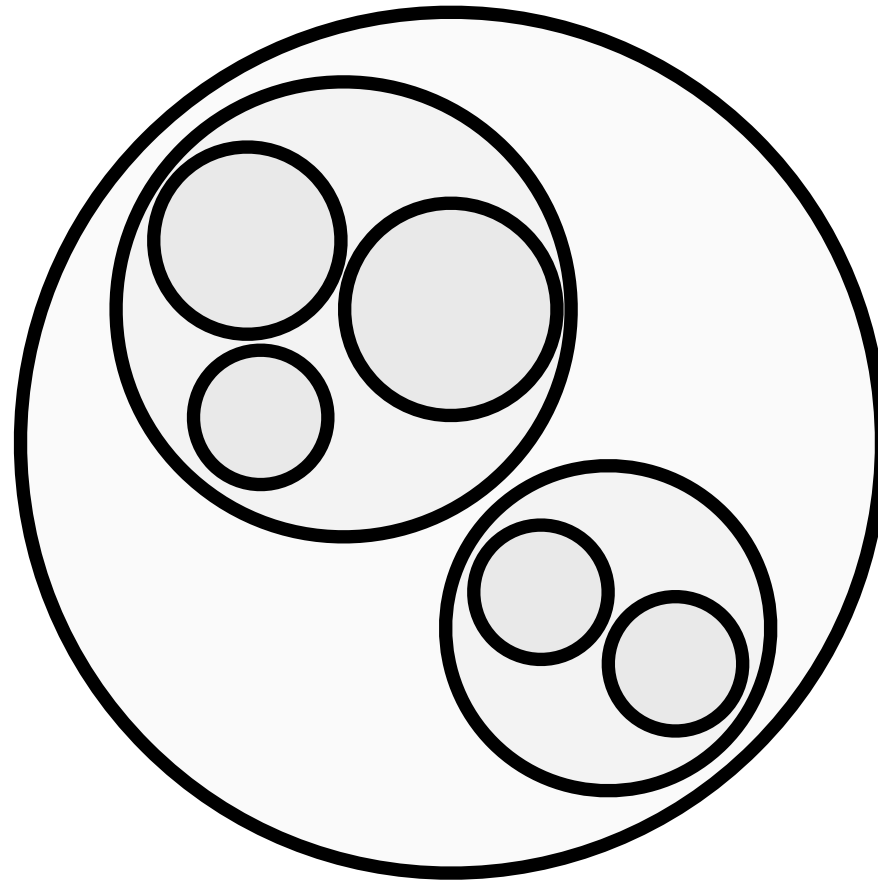


Layout



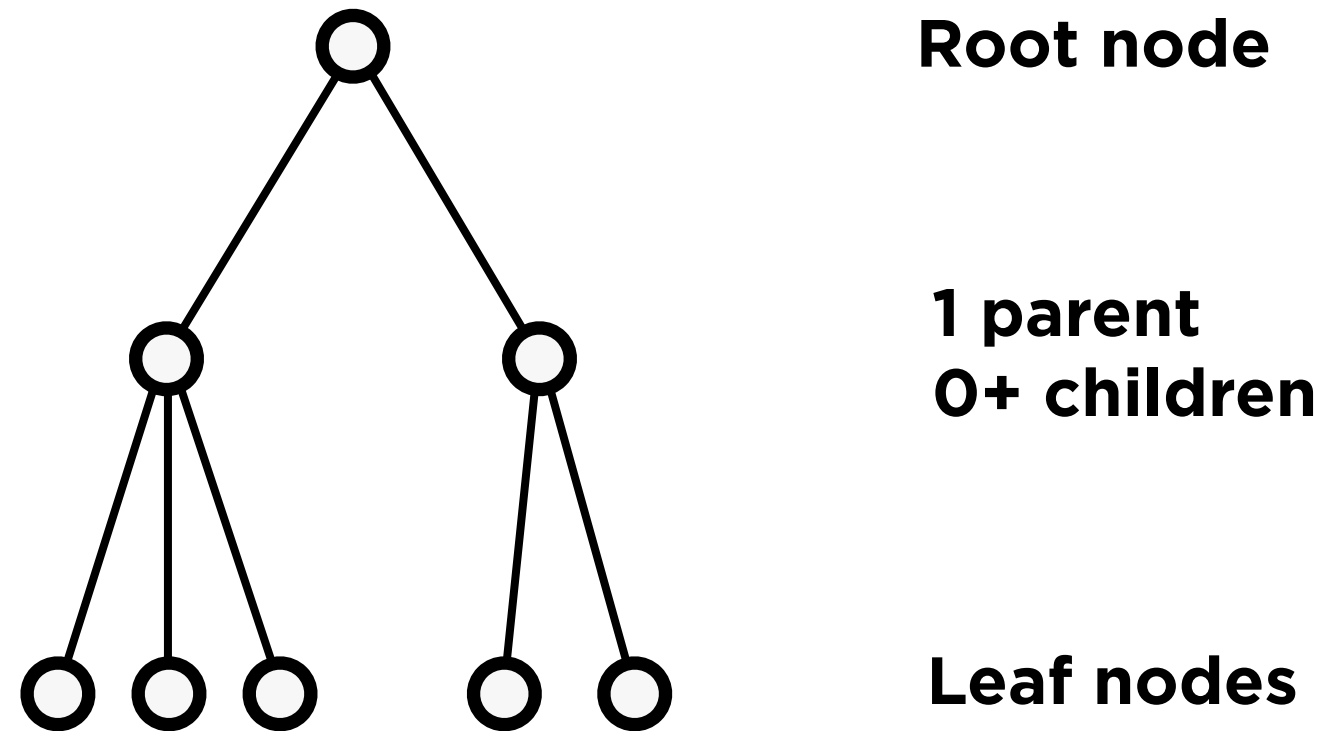
Visual

Hierarchical Layouts



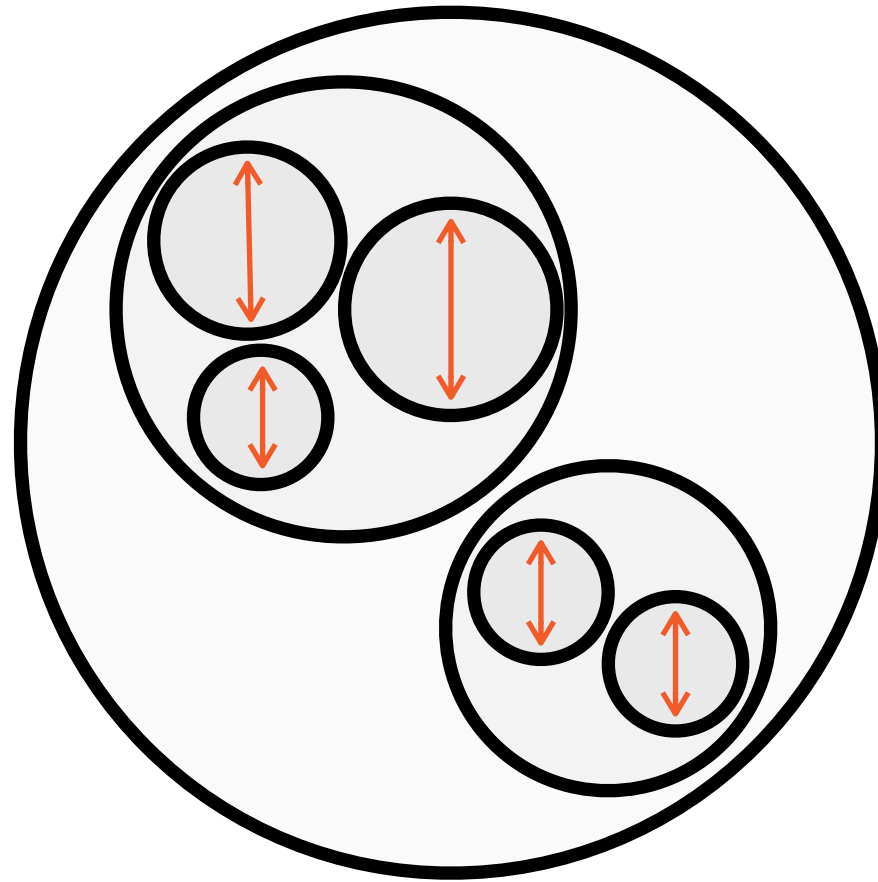
Circle packing

Hierarchical Layouts



Tree

Hierarchical Layouts



D3 layout adds

- x position
- y position
- Radius

Circle packing

Summary

D3 layout concept and mechanics

D3 layout overview

Hierarchical layouts

Layouts augment data to help the draw

Data layouts and visual layouts

Circle packing

Treemap

Tree