• D3 Layouts are somewhat **misleading**
• Layout functions do not place the objects in the SVG
• Instead, D3 Layouts produce a new, transformed dataset that is better suited for that particular visualization
• This makes using layouts **tough**
  • Half the battle is creating the data form for the visualization you want
  • A lot goes on behind the scenes of these Layout functions (new properties are added and so forth)
  • Using these parameters to bind to visuals can be confusing
KEYS TO SUCCESS

- **Be selective** when to use a Layout:
  - Does the layout make sense for my dataset?
  - Or would a simpler visualization show the data better?
- Is there a **good tutorial** on this layout?
  - Is the tutorial well explained?
  - Is the data in the tutorial similar to mine?

TODAY’S ACTIVITY
LAB PROCEDURE

Before Class

• Read "Getting Started: Force Directed Graphs with D3 v4" from puzzlr
• Git pull example code (https://github.gatech.edu/CS-4460/Labs.git)

In-Class

• Open Lab 9 instruction page (https://github.gatech.edu/CS-4460/Labs/wiki)
• Work through activities
• First things first, start an http server with python at 09_lab directory

After Class

• Submit "main.js" to the “Lab 9” T-Square assignment
  • Only submit that one file - Deadline is 1:15 PM Today
• Already have your P5 dataset selected. Designs should be underway.
• Maybe consider using complex visualizations from this lab.