

Analysis

1) In addition to commit messages, commit authors, branches/forks, and commit size, other attributes which could be relevant include:

- additions & deletions
- timestamp
- indication of branch "momentum"

2) User roles include:

- project manager: wants general overview, "lay of the land",
bird's eye view
- visitor
- contributor } want to find active/fast-moving branches, compare
branches to each other
- project user: might want to view the state of a feature's
implementation

3) See above for role-specific tasks. Other tasks include:

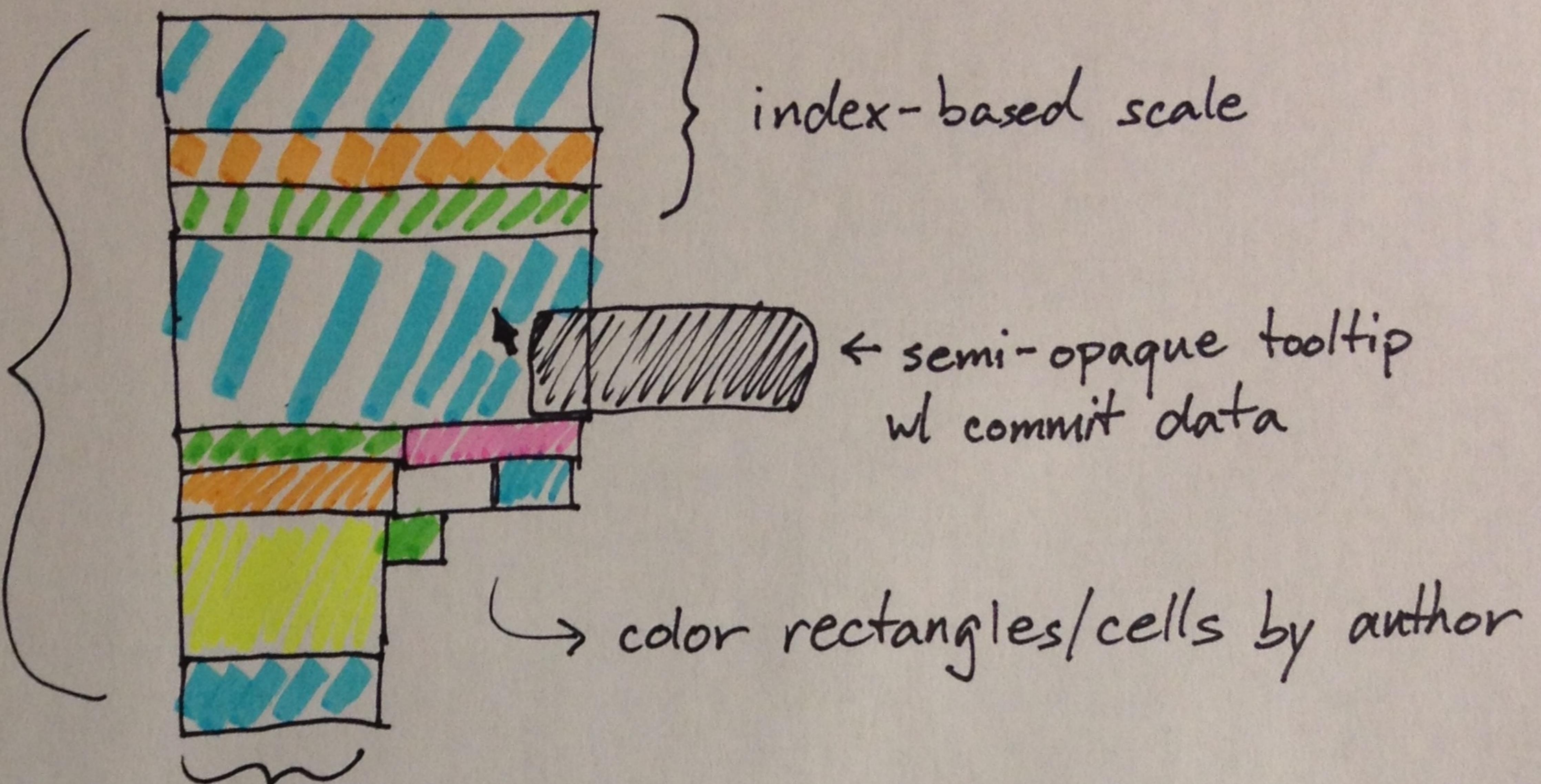
- reviewing merge history
- understand who contributed when
- track down the origin of a bug
- find development branches

4) target audience: contributor

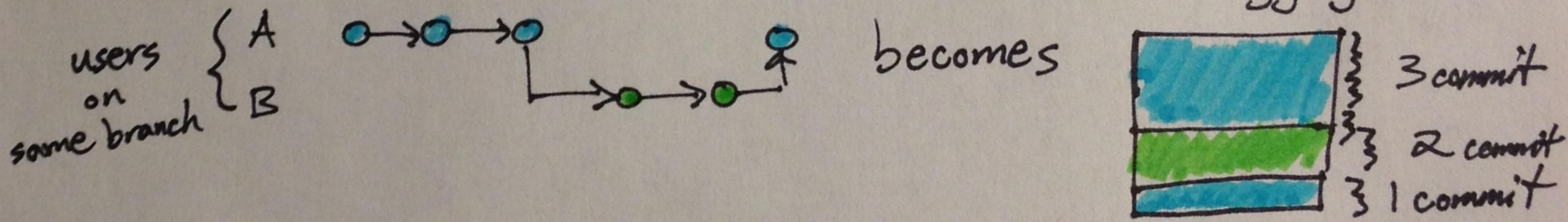
- ↳ wants to find active branches
- ↳ wants quick-look ~~understanding~~ view of a project's history
- ↳ wants to compare branches / track merge history

"Icicle" commit history

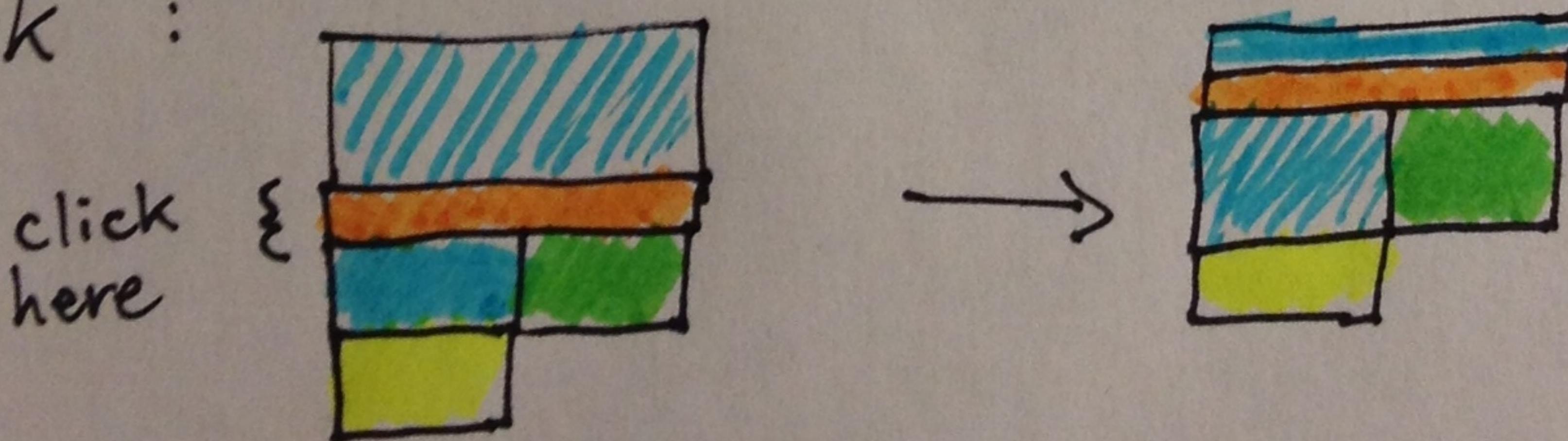
entire history as a series of adjacent rectangles (no links)



each cell contains an unbroken, chronological series of commits — area or height proportional to # of commits aggregated



zoomable to allow for "Revisit" task :

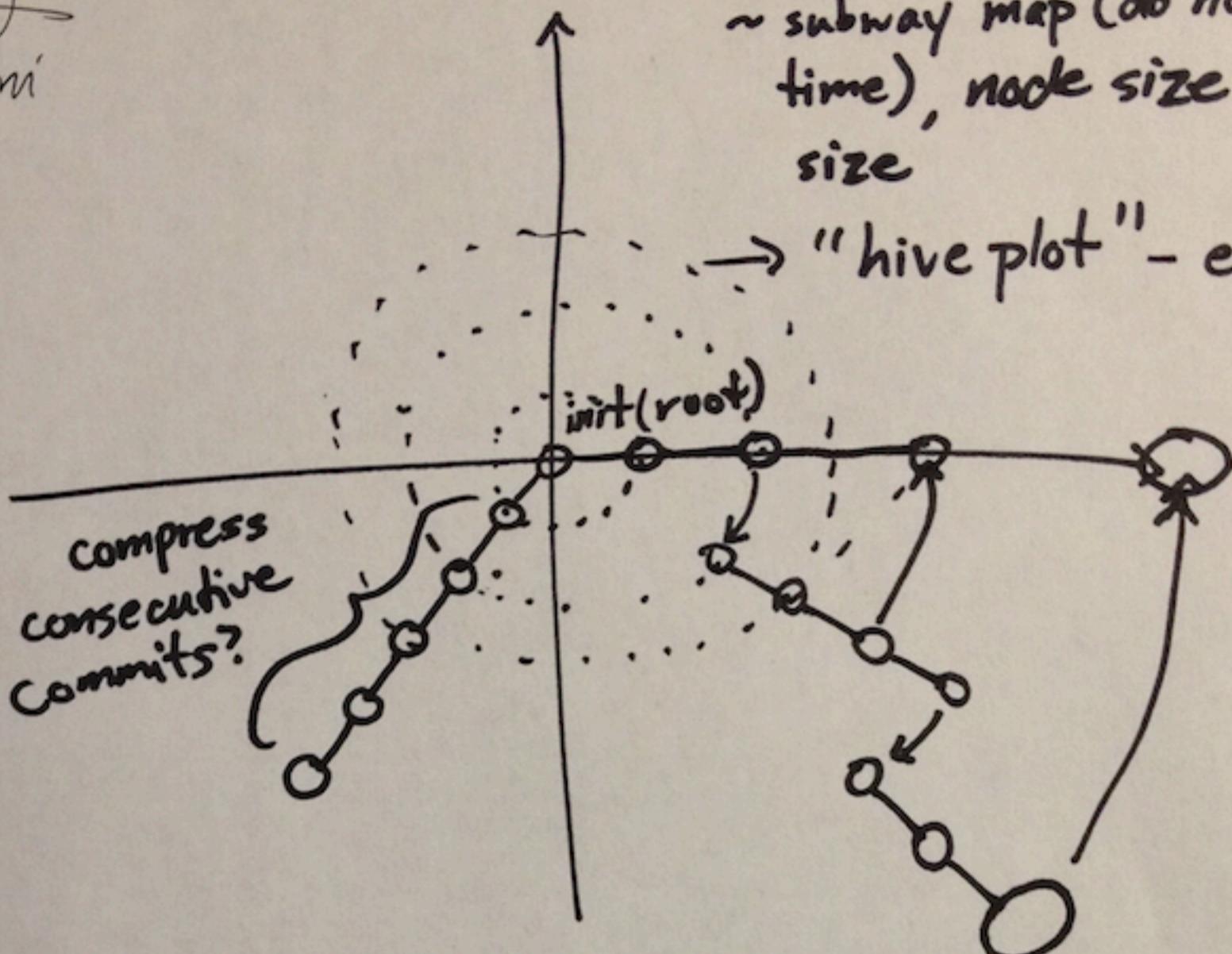


Sketching

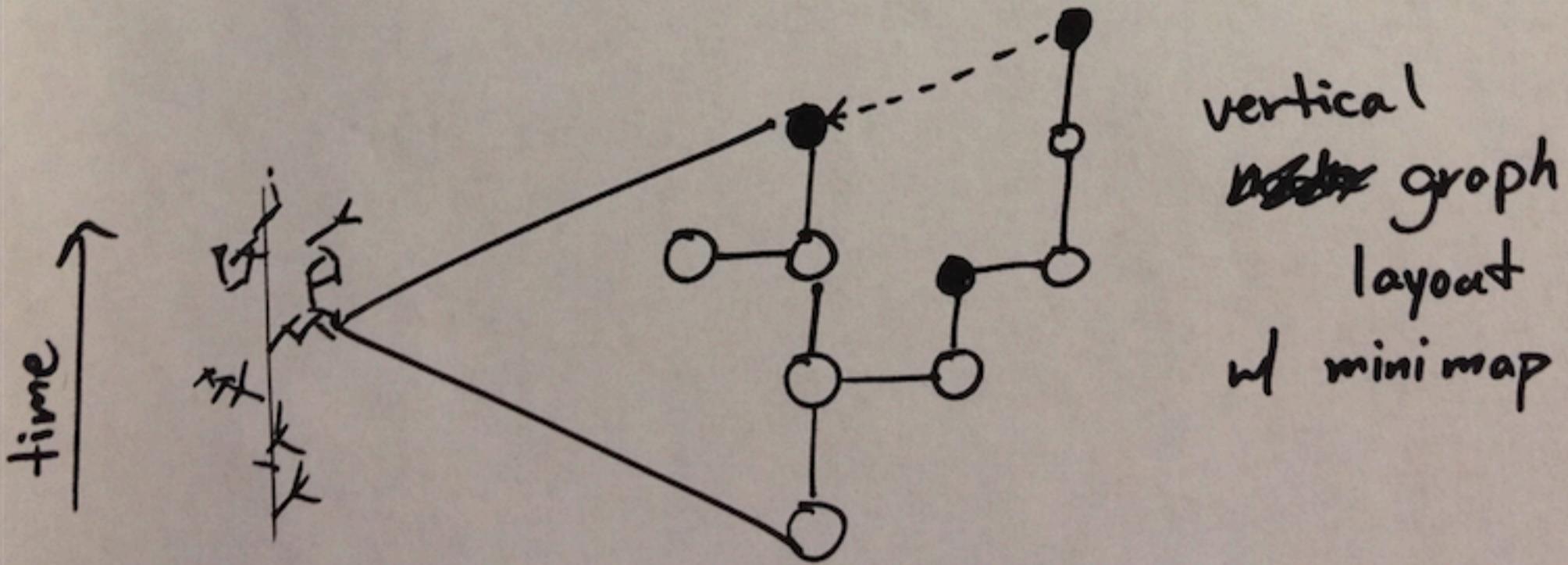
Benzo Lucioni

radial graph layout,
~ subway map (do not encode
time), node size = commit
size

→ "hive plot"-esque



edges aren't used
to encode anything! → use for commit size / additions &
deletions



sankey layout?

commit flow (additions/deletions)?

