## Purpose

Improve and share data visualization tool

## Goals

* Usability by 3rd Parties
  + **User experience** improvements
  + Documentation with **use cases**
* Source contribution support is **not** an essential goal

## Deliverables

### Use case research (a.k.a *nail for hammer quest*)

Research use cases for data visualization tool

* Led by: Drew
* Deliverables:
  + (**Midpoint**) Analysis of use cases discovered
  + (**Final**) Documentation of use case(s)

### Clean codebase

Make the data visualization component codebase as clean as possible

* Led by: Hala
* Deliverables:
  + (**Midpoint**) Removal of explicitly specified JS files.
  + (**Final**) Removal of files discovered as non-essential during component extraction

### Remove need for server-side component (a.k.a. *Server-ectomy*)

Make data visualization component autonomous and server-less. In effect removing Python/Flash code.

* Led by: Charlie
* Deliverables:
  + (**Midpoint**) Visualization component server-less
  + (**Final**) Visualization component distilled
  + (**Stretch**) Package visualization component in [BIOCONDA](https://bioconda.github.io/), npm, or similar

### Improve usability

Make visualization component more user-friendly

* Led by: Saket
* Deliverables:
  + (**Midpoint**) Analysis on usability improvements and UI framework, should we use React?
  + (**Final**) Implementation of usability improvements

## Timeline

* June 28, 2019: Kickoff
* July 11, 2019: Scope ratification
* August 23, 2019: Midpoint deliverables
  + Use Case Analysis
  + Usability Analysis
  + Server-less visualization component
* October 4, 2019 Project wrap-up, final deliverables
  + Usability improvements determined at midpoint implemented
  + Documentation with use case(s)
  + If time permits, packaging of visualization component
* TBD: Meetup in San Fransisco

## Milestones

* ☒ Team members can run application locally
* ☒ Scope ratification
* ☒ Cleaner codebase
* ☒ Server-less implementation
* ☒ Use case analysis
* ☒ Usability analysis
* ☒ Visualization component distilled
* ☐ Available as package

## Communications

Weekly, Thursdays @9:30 PDT except holidays  
Zoom Online Meeting: [link](https://autodesk.zoom.us/j/431920808)

Slack Channel: [#probono-cas](https://autodesk.slack.com/messages/CKXEENL8G)  
GitHub Repository: i[ntensity-plot](https://github.com/calacademy-research/intensity-plot)