

Map receives **recipient data**;
Recipient entries have award ids
ON CLICK - From award ids data we can display agg stats,
POPUP - Grab keyword data and display grant title,
like above (allow for scroll in popup?)

Map receives **district shape file**
District shape file for 2018 also has cluster refs
And labor variable values

ON DISTRICT CLICK - highlight line in profiler,
Feed bar graph, summary and theme browser

Map receives **aggregated award details**
So that clicking on a district can feed the
Summary, bar graph, and themes browsers
Aggregated award details include award_id list

****TO CONSIDER** - ON CLUSTER BORDER CLICK
Display cluster summary (across all high-highs and low-lows?)

ON OPTION SELECT - Parallel coords profiler can switch between
Funding and labor variables
(Axis setting funding: non-constant)
(Axis setting labor: constant axis)

Plot gets the labor data from **district shape file**
Plot gets the funding data from **agg award details**

ON AXIS CLICK - color palette changes, legend updates,
Variable summary updates, map palette updates,
draws cluster boundaries

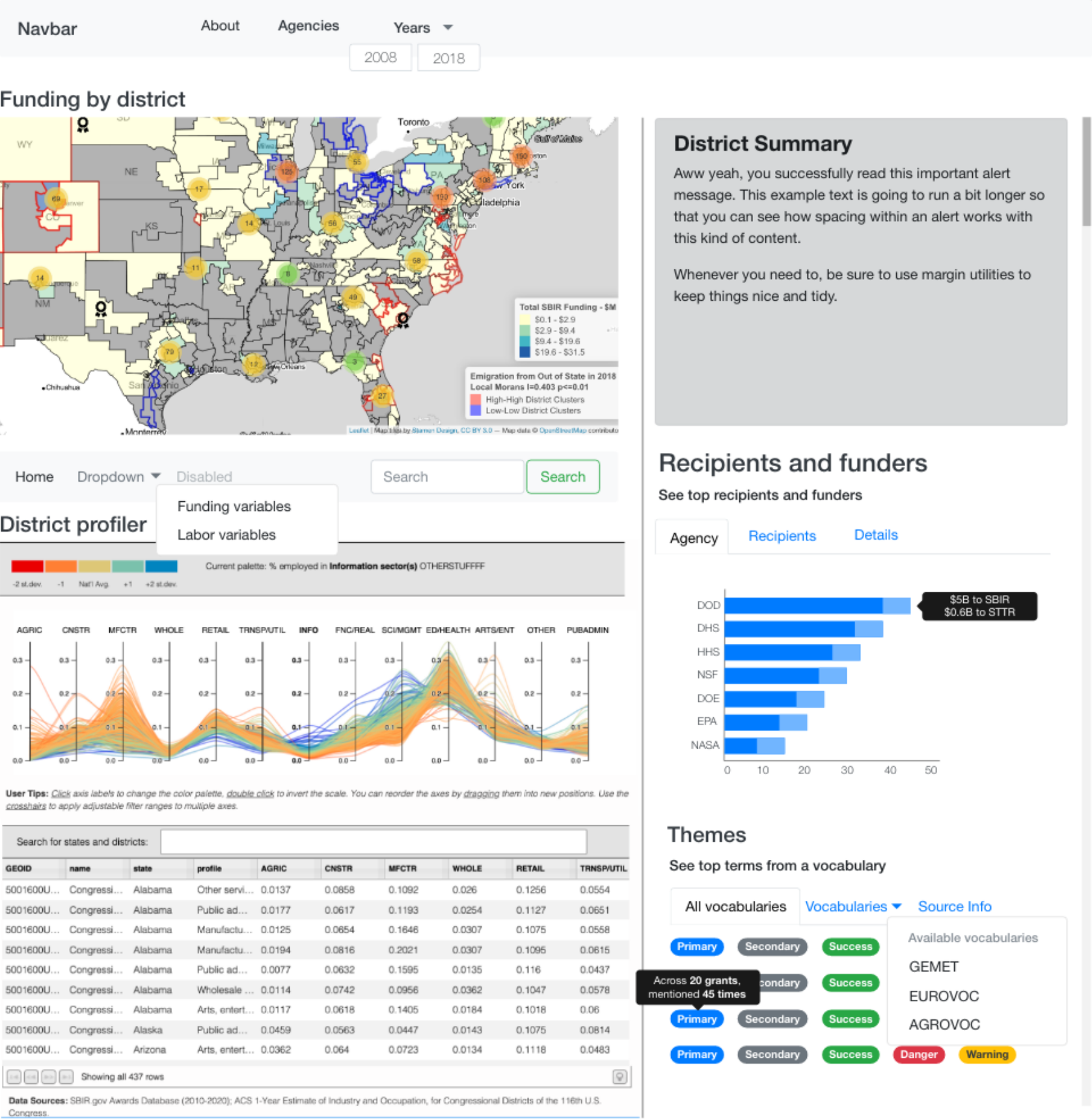
ON BRUSH - chart filters, table filters, map filters (opacity)

ON AXIS RIGHT CLICK - axis can be removed from plot

Table is always by district, allowing for ON HOVER
Between table/coord and map

Displays values that include both funding and labor
SEARCH BAR allows for region/state/theme(?) query
And should really *just* be located between map and profiler

Public Innovations Explorer



Bar graph displays aggregations of **recipient data** based on **district data**
FROM **district data** and **recipient data** we have **award_ids**

ON HOVER we can display the info for SBIR / STTR

ON SEGMENT CLICK we can filter the themes browser (and map?)
To just show the grants behind it (e.g. STTR grants; grants to Women Owned Businesses)etc

ON SWITCH TAB we can update the bar graph to show recipients/agency/details

Themes graph grabs keyword data using the **award_ids**
Perhaps we should save a folder of json files by award id and load only as needed?

ON HOVER we can see the term's district and national stats
(This would require an additional **keyword agg stats** dataset, If we don't want to load all the data at once)

ON OPTION SELECT we can select a different vocabulary

ON SOURCE INFO SELECT user can see details about the vocabularies and where they're from