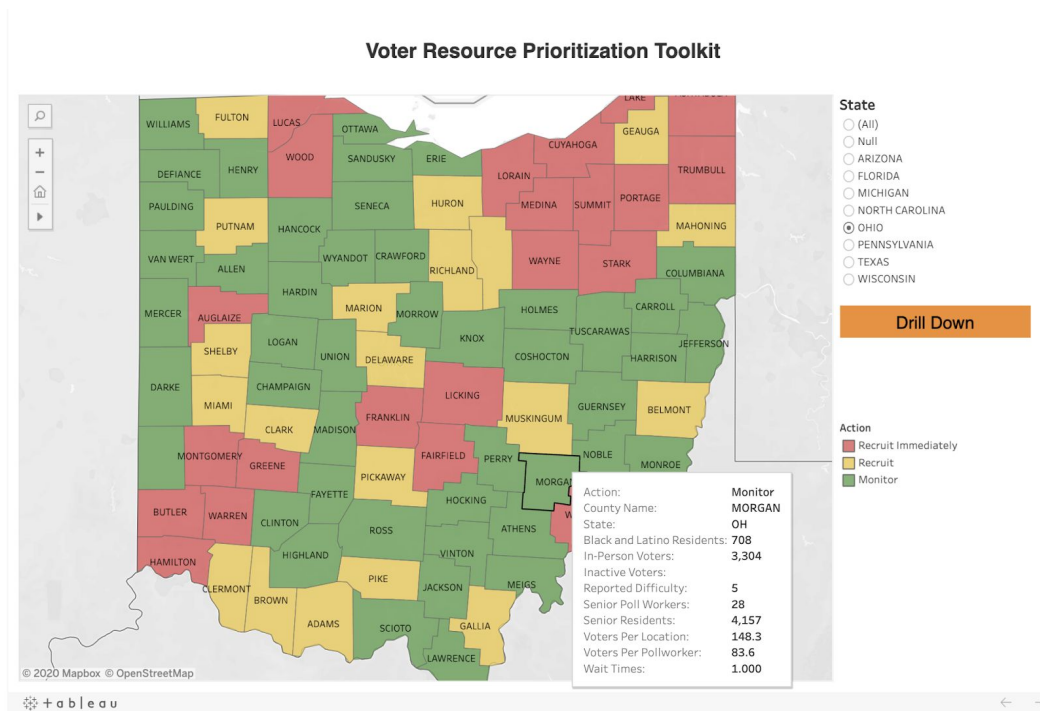


Voter Resource Prioritization Toolkit



The Toolkit 101

What is "The Toolkit"?

This toolkit is a collection of interactive dashboards that aggregates and analyzes public data to understand trends and gaps in voter resources within states. The worksheets are published using Tableau Public, indicating that anyone can view or use this information.

What data does it use?

Most data comes from the Election Administration Voter Survey Instrument, the American Community Surveys, and the Cooperative Congressional Election Survey from 2016 and 2018.

This data includes four broad metrics used to ascertain risk:

- In-Person Demand of Voters
- Supply of Voter Resources
- Priority Populations (e.g. vulnerable due to COVID-19 or historical reasons)
- Poll Worker Recruiting Difficulty

What's the purpose?

No two counties are alike. This toolkit exists to understand each county's unique voter characteristics, resources, and gaps. Voter protection organizations can then use this information to more effectively allocate resources and target areas for support or additional interventions.

What are these actions I'm seeing?

This version of the toolkit was designed in partnership with the Voter Protection Corp to identify high urgency counties for poll worker recruitment. (Because few poll workers --> long wait times → suppressive effects). Before doing any analysis, we needed to understand the intervention space: What are all possible actions? For the poll worker recruiting project, the actions were:

- Recruit Immediately
- Recruit
- Monitor

How did you designate these actions?

Each county received four sub scores in our risk metrics above. Based on each county's unique performance on these scores (high, medium, or low), we mapped a direct action. Specifically, we populated a decision matrix like this with Voter Protection Corp:

Priority Population	Recruiting Difficulty	Demand Risk	Resource Supply	Action
Low	Low	Low	Low	Monitor
Low	Low	Low	Medium	Recruit
Low	Low	Low	High	Recruit
Low	Low	Medium	Low	Monitor
Low	Low	Medium	Medium	Recruit
Low	Low	Medium	High	Recruit Immediately
Low	Low	High	Low	Recruit
Low	Low	High	Medium	Recruit Immediately
Low	Low	High	High	Recruit Immediately

"If ____ is High and ____ is High, but ____ and ____ are Low, then [Action]."

What if my organization's actions are different?

Perfect! This tool is open source, indicating that it can be downloaded, updated, and expanded. If the indicators we have works for you, you can download the data, update the decision matrix with *your* actions and interventions, and then see your new results. You can also expand these categories with data that's important to you. The goal of this tool is to be as interactive and customizable as possible.

What's included?

The current version of the toolkit includes five separate views of our data. These are broken down further below.

- **Direct Action Map:** View the recommended actions for each county based on the data
- **County Metrics:** See how each county ranks in percentiles; visualize trends and gaps
- **County Indicators:** Drill down to see which indicators drive the overall risk metric score

- **Risk Metrics Heat Map:** View and sort county rankings based on a single metric
- **Risk Indicator Heat Map:** View and sort county rankings based on all available data

How do I navigate these pages?

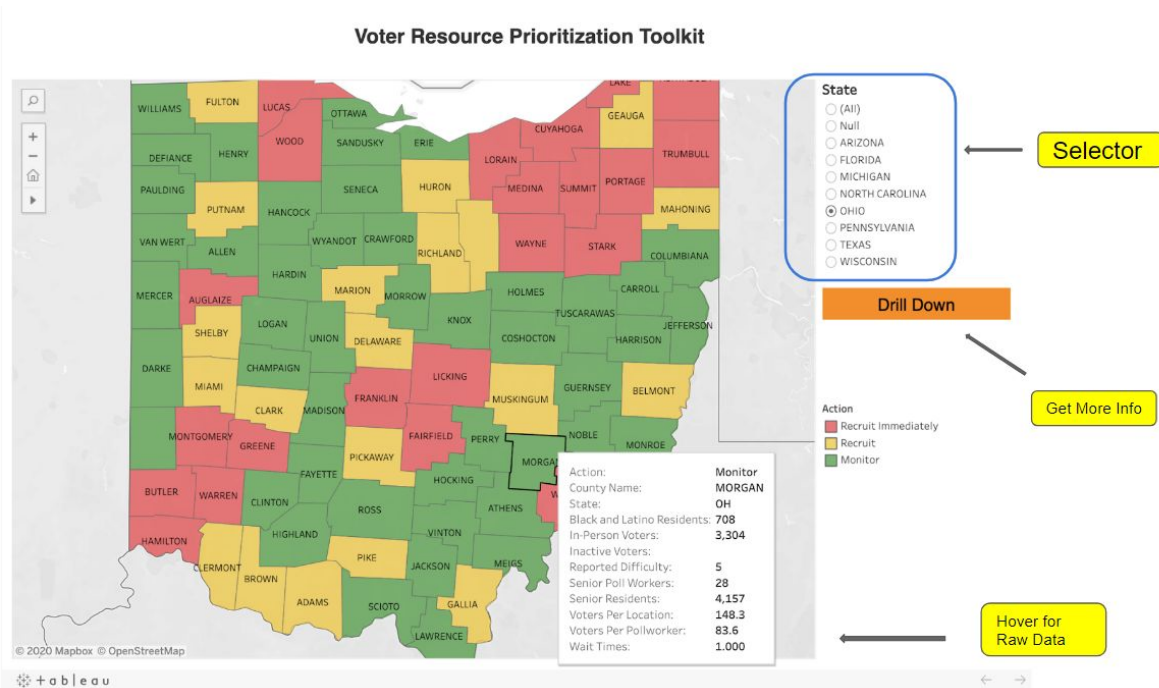
Many of the sheets have a “Drill Down” button, allowing you to understand what the underlying data is. You can also navigate using the tabs at the top of the page.

< CMU - Profile

Cover	map	Metrics	Indicators	Risk Metrics Heat Map	Risk Indicator Heat Map	Data Availability
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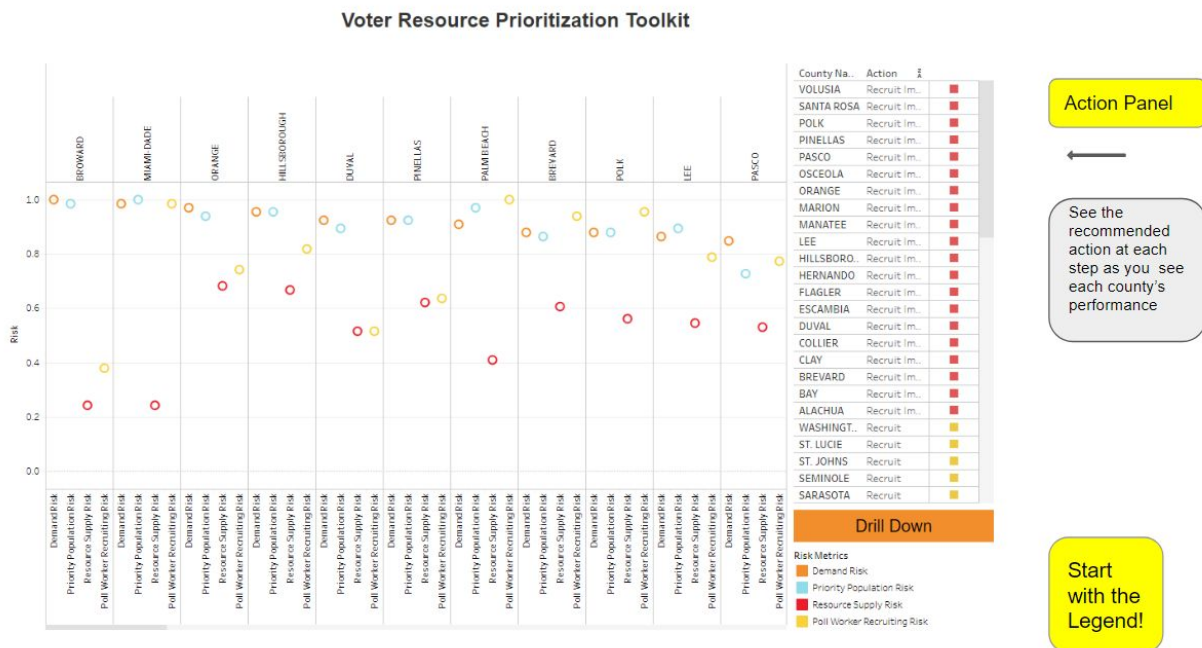
The Direct Action Map

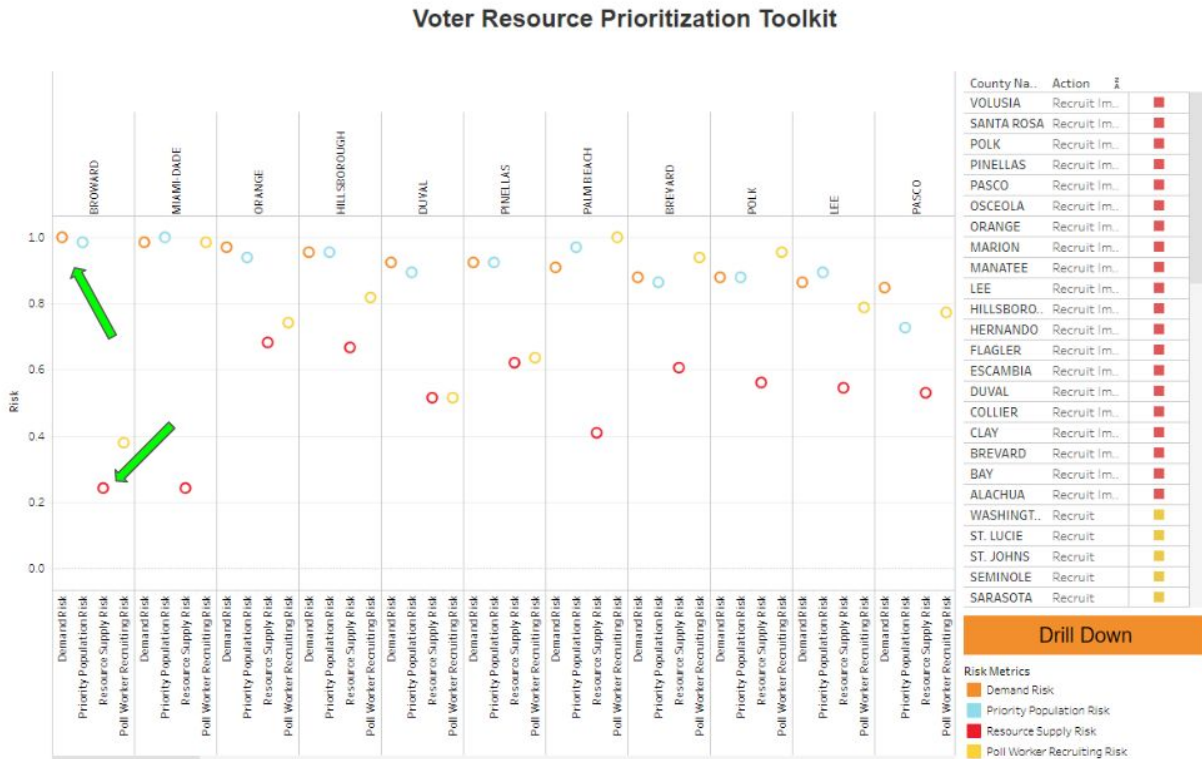
- **What Does It Show?** The bottom line. What action should we match with each county?
- **What are the features?**
 - State Selector: Pick which geography to focus on. The following sheets will automatically update
 - Drill Down Button to see more information
 - Hover over each county for more information



County-Level Risk Metrics

- **What does it show?** For each county in the state, how well does it do on our four risk metrics? Each county with complete information has four dots.
- **What are the units?** Percentiles. A 1.0 indicates this county scored the highest of all counties in the state. A 0.0 indicated it was the lowest score in the state.
- **How is it sorted?** This sheet is sorted by in-person demand risk. This is the orange dot. As you scroll across the different counties, you'll see the orange dot falling. The last county indicates the one where in person demand is lowest.
- **What does this enable?** This sheet allows you to quickly visualize, in order of the number of people impacted, how each county scores on resources, priority population, and poll worker recruiting difficulty.
- **What are the features?**
 - Intervention Panel: See the ultimate recommendation for each county
 - All Counties Sorted by Number Impacted:
 - Visualize gaps of interest: Seeing these percentiles makes it possible to map where demand risk is high but supply risk is low--or any combinations that may be of interest.
 - Drill Down Button to understand where these scores are coming from.
 - Hover over each county for more information and the raw, unscaled data

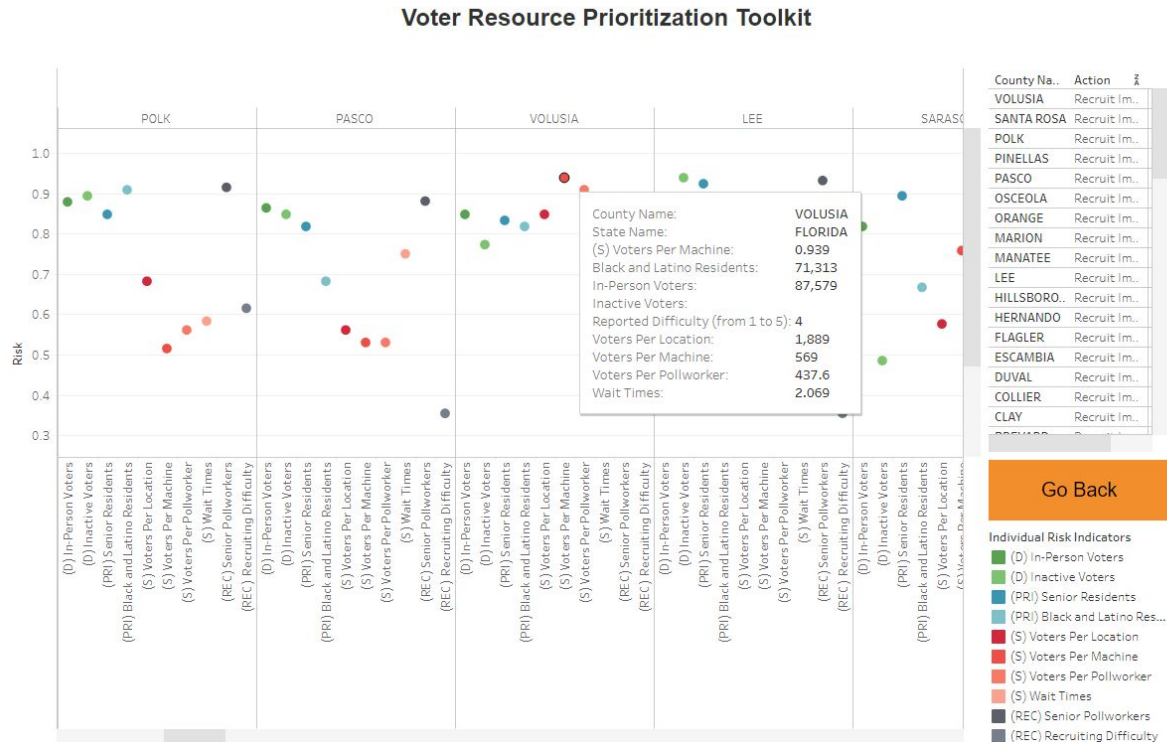
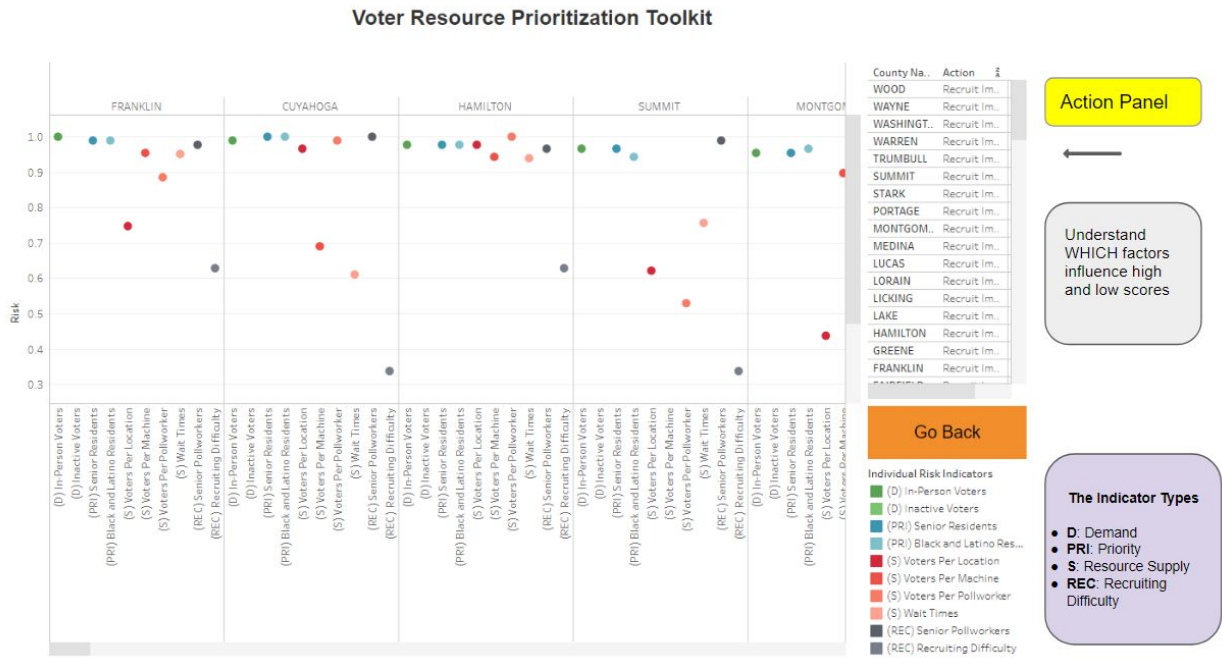




County-Level Risk Indicators

- **What does it show?** This sheet shows what drives each of the four risk metrics for each county. This might be the most important sheet. For each county, you see all 10 indicators (when available) and how it compares.
- **What are the labels?** 10 risk indicators which are color-coded blue, green, red, and gray by category.
 - (D) Demand Indicator
 - (PRI) Priority Population
 - (SUP) Resource Supply Indicator
 - (R) Resource Indicator
- **What are the units?** Percentiles. A 1.0 indicates this county scored the highest of all counties in the state. A 0.0 indicated it was the lowest score in the state.
- **How is it sorted?** This sheet is sorted by in-person demand risk.
- **What does this enable?** This sheet allows you to understand what data led to the risk metric. The reason a county scores high on resource supply can be different and require a different intervention.
- **What are the features?**
 - Intervention Panel: See the ultimate recommendation for each county
 - All Counties Sorted by Number Impacted
 - Visualize and contextualize the key drivers of performance
 - Hover over each county for more information and the raw, unscaled data

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Risk Metrics Heat Map

- **What does this enable?** This sheet allows you to see at a glance where hot spots are and customize the sorting of counties based on a risk metric.
- **What are the units?** The colors correspond to the overall score a county received on a metric. (Green is good, red is risky)..
- **How is it sorted?** The default is demand risk, but you can actually click on any of the headers to sort by the column either in ascending or descending order.
- **What are the features?**
 - Sort alphabetically, by action, or by any of the risk metrics for a tailored view of counties.
 - Intervention Panel: See the ultimate recommendation for each county
 - Hover over each county for more information and the raw, unscaled data



County Name	Action	⌵ ⌶	Demand Risk	Priority Population Risk	Resource Supply Risk	Poll Worker Recruiting Risk
BAKER	Monitor		●	●	●	●
BRADFORD	Monitor		●	●	●	●
CALHOUN	Monitor		●	●	●	●
DESOTO	Monitor		●	●	●	●
DIXIE	Monitor		●	●	●	●
FRANKLIN	Monitor		●	●	●	●
GADSDEN	Monitor		●	●	●	●

Hover over any column to see the sort function. You can sort either in ascending or descending order of the column to get county rankings.

Risk Indicator Heat Map

- **What does this enable?** This sheet allows you to see all information and sub scores by riskiness and customize the sorting of counties based on any risk indicator.
- **What are the units?** The colors correspond to the overall score a county received on a metric. (Green is good, red is risky).
- **How is it sorted?** The default is demand risk, but you can actually click on any of the headers to sort by the column either in ascending or descending order.
- **What are the features?**
 - Sort alphabetically, by action, or by any of the risk metrics for a tailored view of counties.
 - Intervention Panel: See the ultimate recommendation for each county
 - Hover over each county for more information and the raw, unscaled data

Individual Risk Indicators: County Heat Map

County Name	Action	(D) In-Person ...	(D) Inactive Voters	(PRI) Senior Resi...	(PRI) Black and L...	(REC) Senior Poll...	(S) Voters Per Lo...	(S) Voters Per Ma...	(S) Voters Per Pol...	(S) Wait
PALM BEACH	Recruit	●	●	●	●	●	●	●	●	●
MIAMI-DADE	Recruit	●	●	●	●	●	●	●	●	●
BROWARD	Recruit	●	●	●	●	●	●	●	●	●
HILLSBOROUGH	Recruit Immediately	●	●	●	●	●	●	●	●	●
ORANGE	Recruit Immediately	●	●	●	●	●	●	●	●	●
DUVAL	Recruit Immediately	●	●	●	●	●	●	●	●	●
PINELLAS	Recruit Immediately	●	●	●	●	●	●	●	●	●
BREVARD	Recruit Immediately	●	●	●	●	●	●	●	●	●
POLK	Recruit Immediately	●	●	●	●	●	●	●	●	●

Using the Toolkit

For access to the data, toolkit, and data processing scripts, visit the main site:

<https://dssg.github.io/voter-protection/>