COI collection and aggregation in Michigan
Collection via public submission portal

michigan-mapping.org
Collection via public submission portal
michigan-mapping.org
Collection via public submission portal
michigan-mapping.org
Collection via public submission portal

michigan-mapping.org
So you got 1225 areas mapped! now what?
So you got 1225 areas mapped! now what?

We measured overlaps using something called “Hausdorff distance”
So you got 1225 areas mapped! now what?

We measured overlaps using something called “Hausdorff distance”
So you got 1225 areas mapped! now what?

We measured overlaps using something called “Hausdorff distance”

Using all 749,700 pairwise distances, we produced 36 geographical clusters
So you got 1225 areas mapped! now what?

We measured overlaps using something called “Hausdorff distance”

Using all 749,700 pairwise distances, we produced 36 geographical clusters

We had teams of students classify every submission with labels like “agriculture,” “vulnerable populations,” “economy and commerce,” etc
So you got 1225 areas mapped! now what?

We measured overlaps using something called “Hausdorff distance”

Using all 749,700 pairwise distances, we produced 36 geographical clusters.

We had teams of students classify every submission with labels like “agriculture,” “vulnerable populations,” “economy and commerce,” etc.

We used a semantic distance to sub-cluster the large clusters into thematically similar pieces.
Cluster C14 — Grand Rapids Metro. (55 submissions) Within the greater Grand Rapids area, special importance was placed on school districts, shared public services, and infrastructure needs. Kentwood is frequently cited as cohesive and some submitters hope it can be kept whole. This was thematically split into two subclusters, with C14-1 more focused on infrastructure and city schools, while C14-2 cited suburban themes with greater frequency. Geographically, these overlap substantially.

mggg.org/publications/Michigan-COI.pdf
How can this help us draw better districts?
How can this help us draw better districts?

It’s a bottom-up look at the communities and lived experiences of Michiganders.
How can this help us draw better districts?

It’s a bottom-up look at the communities and lived experiences of Michiganders.

The 1225 areas completely cover the state! You must split some COIs somewhere...
How can this help us draw better districts?

It’s a bottom-up look at the communities and lived experiences of Michiganders.

The 1225 areas completely cover the state! You must split some COIs somewhere...

...but the clusters can help you and the MICRC think about **when and where to cut** and how to amplify the voices of communities.
How can this help us draw better districts?

It’s a bottom-up look at the communities and lived experiences of Michiganders.

The 1225 areas completely cover the state! You must split some COIs somewhere...

...but the clusters can help you and the MICRC think about when and where to cut and how to amplify the voices of communities.

Imminent on michigan-mapping.org:

• draft plans for public comment
• COI overlays
Handy links!
Handy links!

mkgg.org
michigan-mapping.org
district.org
mkgg.org/publications/Michigan-COI.pdf
tinyurl.com/Michigan-COI-files