PUBLIC MAPPING SOFTWARE

Moon Duchin
MGGG Redistricting Lab
PUBLIC MAPPING SOFTWARE MATTERS

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WHAT IS DISTRICT-BUILDING SOFTWARE FOR?
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• Public education about redistricting, public engagement and buy-in to process
• Identification of communities of interest
• Competitions
SOFTWARE OPTIONS INCLUDE...

Commercial

• **Maptitude** for Redistricting / Maptitude Online (Caliper)

![Maptitude](image)

• **iRedistrict** (ZillionInfo)

![iRedistrict](image)

• **Esri Online Redistricting** (Esri)

![Esri Redistricting](image)

Free, Public

• **Dave’s Redistricting App** (Dave et al)

![DRA 2020](image)

• **DistrictBuilder** (Azavea)

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• **Districtr** (MGGG)

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• **QGIS Plugin**

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  ![DRA 2020](DRA 2020.png)  
  The new app from Dave's Redistricting

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• Mapmaking trainings (e.g., HBCUs)
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- Data journalists
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• Public submission in 2021
NEW DIRECTION: COMMUNITIES OF INTEREST

Identify your community
Draw the boundaries of a community of interest that map drawers should take into account.

https://districtr.org/edit/1134
ILLUSTRATION: DISTRICT DESIGN PRINCIPLES
ILLUSTRATION: DISTRICTR
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- Don’t collect any user info unless expressly submitted
WHY YOU SHOULD CARE
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• Even if you stick to commercial software, your constituents will be using these public packages, and you should understand what they do and how redistricting looks through their lens.

• COI: operationalizing communities of interest has never been easier – if you can map them, you can preserve them.
THANK YOU

mggg.org

see also:
Blake's survey
Ask me about:

- Criteria interactions
- Metrics and their consequences
- Ensembles, Markov chains, “automation” and optimization
- Or anything else

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