

Important Note About Heatmap

This heatmap **underplays** the impact of voters residing at Bard College in two important but necessary ways: search radius size and color gradient cap values.

I. Search Radius Size:

The radius size is the distance around a point (each registered voter) at which the influence of that point will be felt on the map. This heat map's radius search size is 300 meters.

What about a smaller radius size?

-Off-campus voters do not live close to each other, they are scattered about this rural area. If the radius size was smaller, off-campus points would not overlap enough to "build up" to a brighter color. A smaller radius would reduce the influence of off-campus voters.

-On-campus voters at Bard overwhelmingly live in adjacent, multi-level, and high-occupancy buildings. A smaller radius size has little impact on Bard's campus because voters are already living very close to or even on top of each other.

What about a larger radius size?

-Off-campus voters would benefit from a larger radius size because it would allow more points to overlap and build up. However, any gains from a larger radius would be grossly outweighed:

-On-campus voters at Bard would overwhelmingly benefit from a larger radius because campus dorm clusters would be **united** in their effect. If you take a look at our map, three separate voter clusters exist at Bard: large red cluster (Village/Cruger/North Campus dorms), small red cluster (South Campus Quad dorms), and a bright yellow cluster (Stone Row/South Hall dorms).

II. Color Gradient Cap:

In the interest of making more significant the density of voter clusters off-campus, we capped the maximum value of the red color gradient to 80 instead of the actual maximum value realized at the large red Bard cluster, 165. In other words: This heatmap shows a striking congregation of voters at Bard as compared to the rest of the district. However, the true and uncapped rendition of this map is even more striking because the off-campus yellow "clusters" do not even appear!

| | Color by Interval, (0 – 80) Our Capped Map | Color by Intervals (0 – 165) Uncapped Map |
|---------|---|--|
| 0-20 | BLUE | BLUE |
| 20-40 | GREEN | BLUE |
| 40-60 | YELLOW | GREEN |
| 60-80 | ORANGE | GREEN |
| 80-100 | RED | ORANGE |
| 100-120 | | ORANGE |
| 120-140 | | RED |
| 140-160 | | RED |

In the uncapped map, all the orange, yellow, and blue you see on our map would be blue and green. The entire district becomes a color or two darker, while Bard's two red clusters remain red.

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