xyz

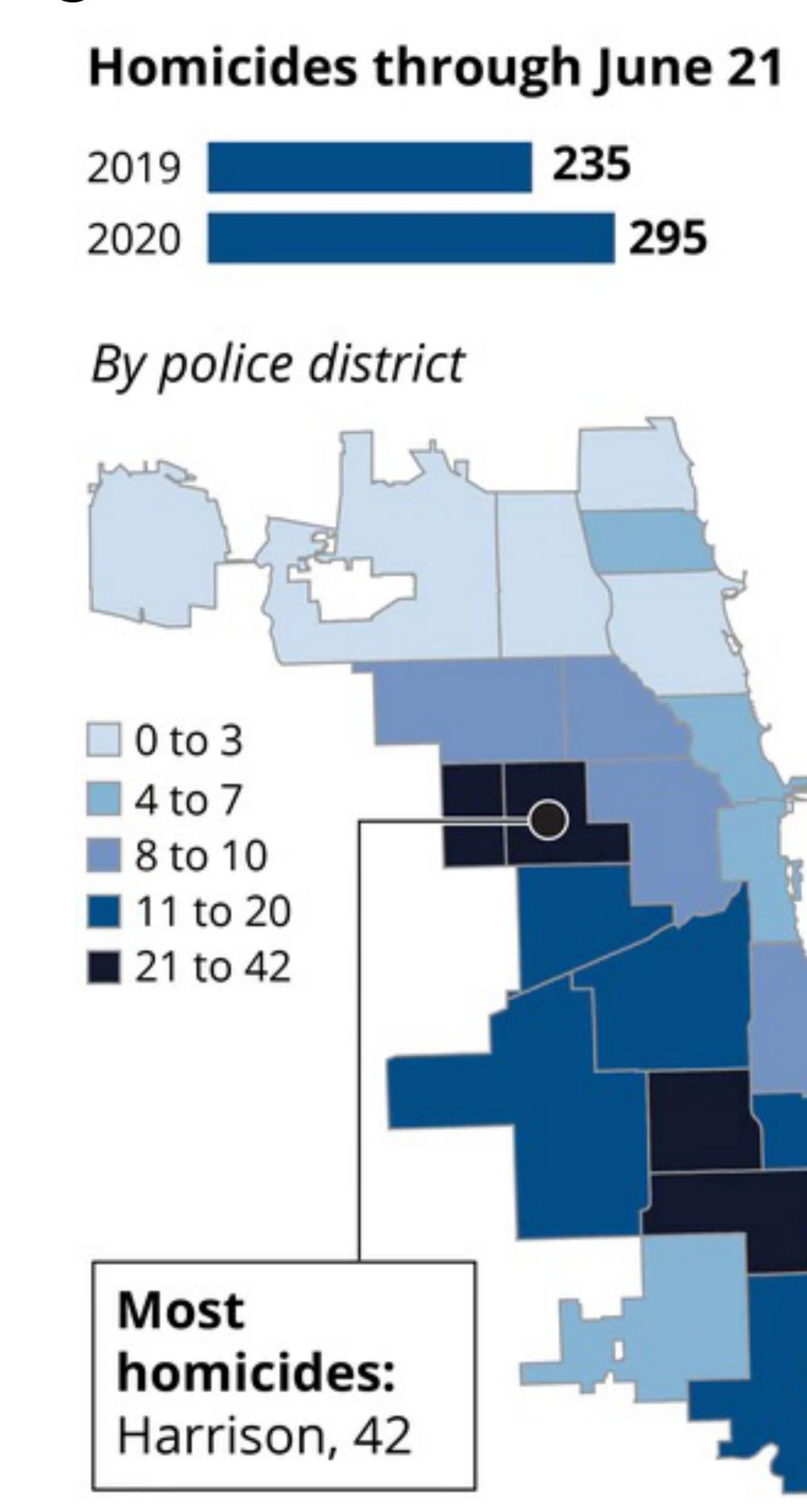
$$\frac{1 + \exp(-3x^2 + 3y^2 + 3z^2))}{1}$$

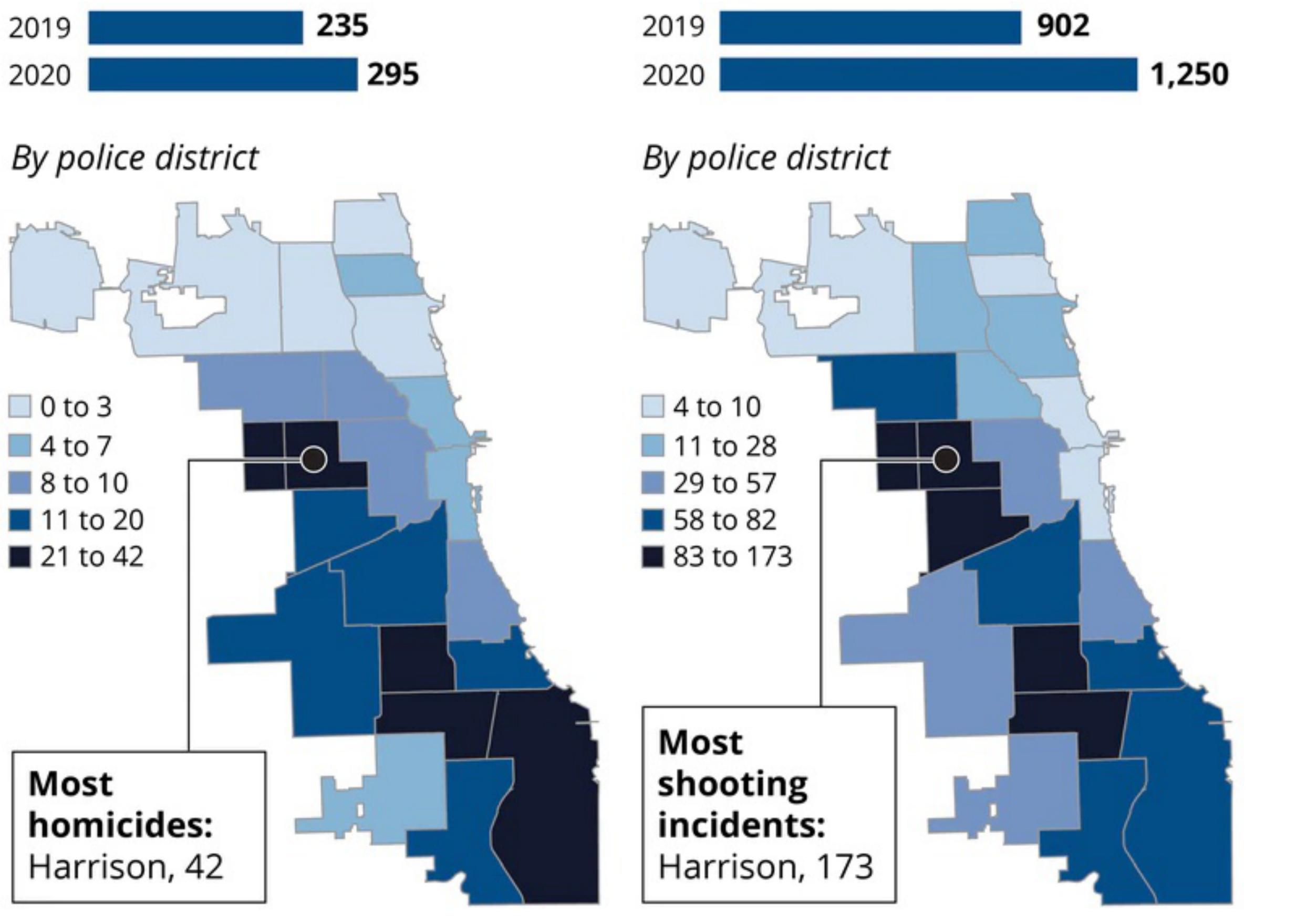
$$\exp(\max(x, y, z) + \sqrt{x} + \sqrt{y} + \sqrt{z})$$

l'ucker rank rank

(90, 90, 90)

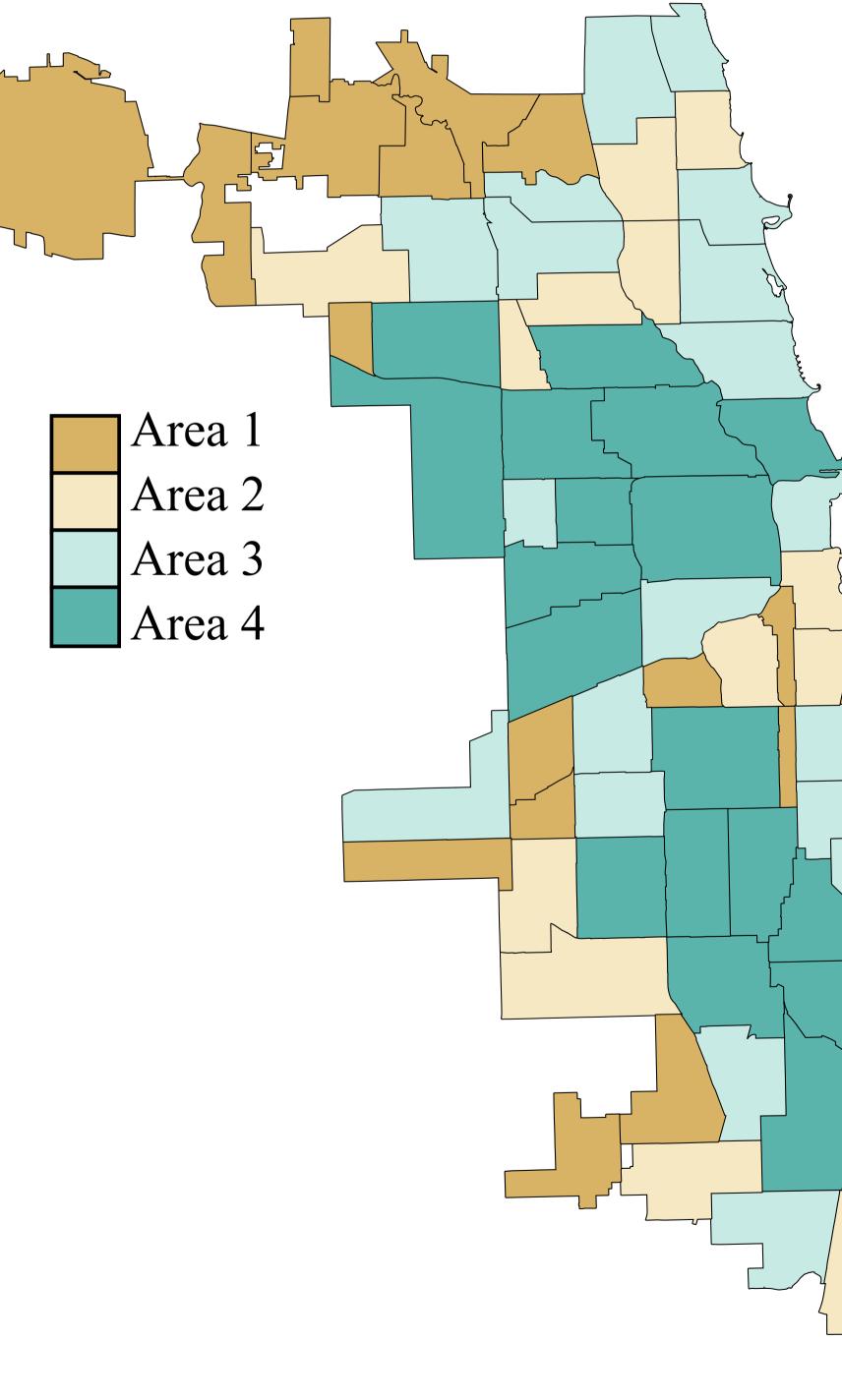
Smooth functions in simulation. We define the numerical CP/Tucker rank as the minimal rank r for which the relative approximation error is below  $10^{-4}$ . The reported rank in the table is estimated from a  $100 \times 100 \times 100$  signal tensor generated by (2).





Shooting incidents through June 21

Four areas learned from **Chicago Crime data** using Borda Count Estimation



SOURCE: Chicago Police Department

CHICAGO TRIBUNE SOURCES: Our calculation