

INSIGHTS FROM CHICAGO FOOD INSPECTIONS

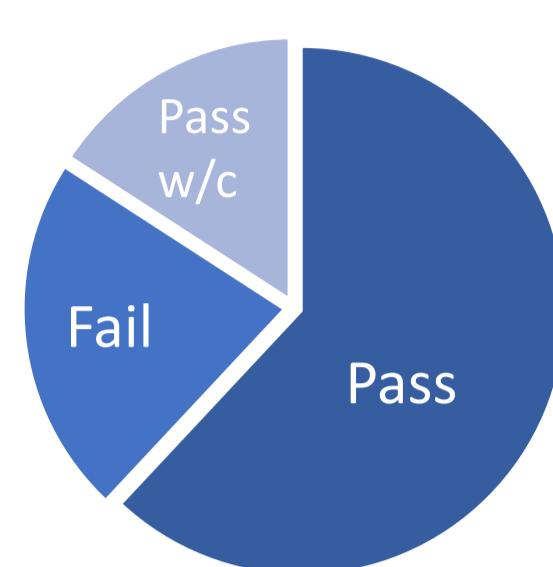


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Dataset Description

Data Source: Chicago Department of Public

195,737 records of inspections



3 types of inspection results: Pass, Pass with conditions and Fail

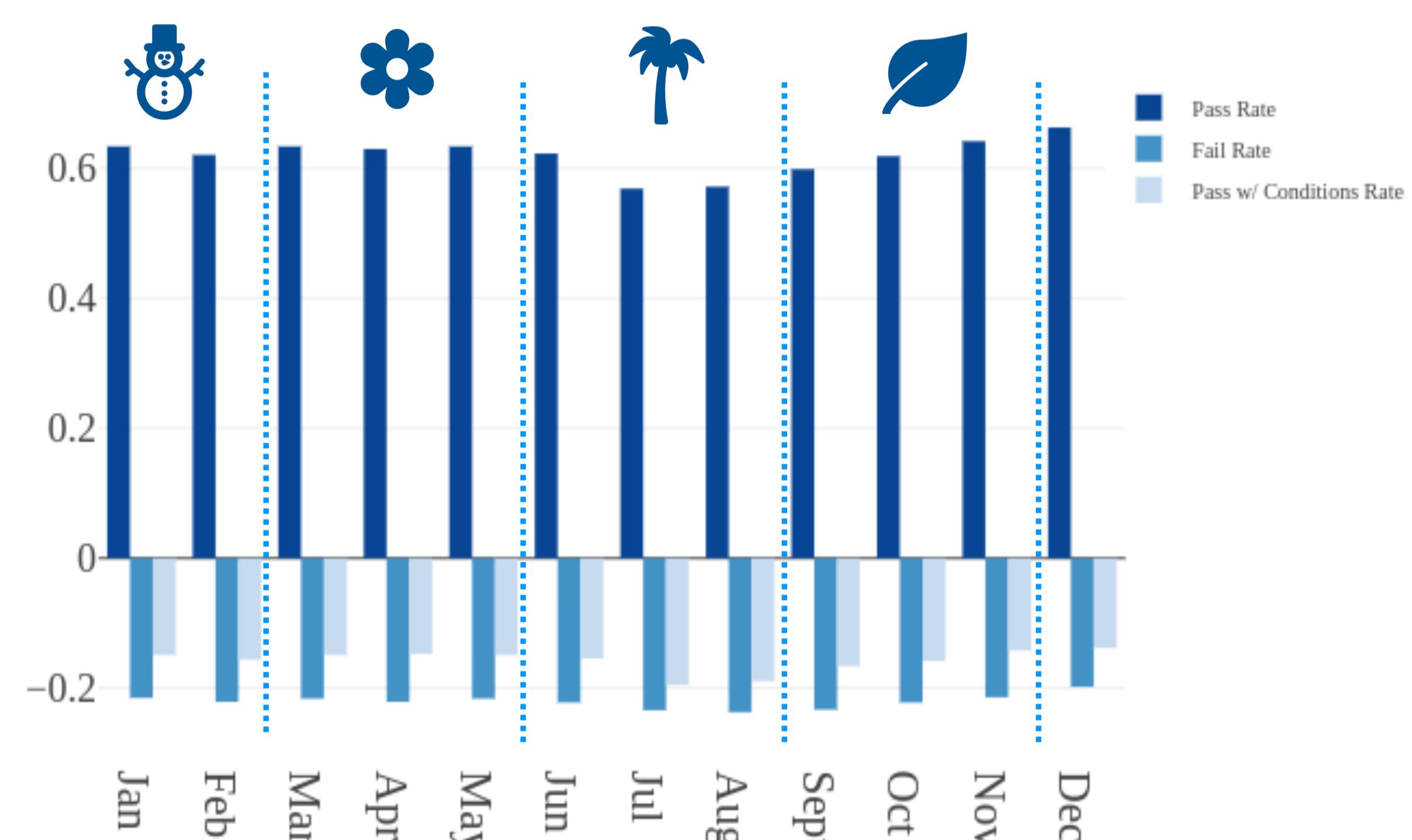
2010 – 2019: 10 Years of inspection

77 communities involved

AIM: Insights and suggestions on how to safely dine out in Chicago.

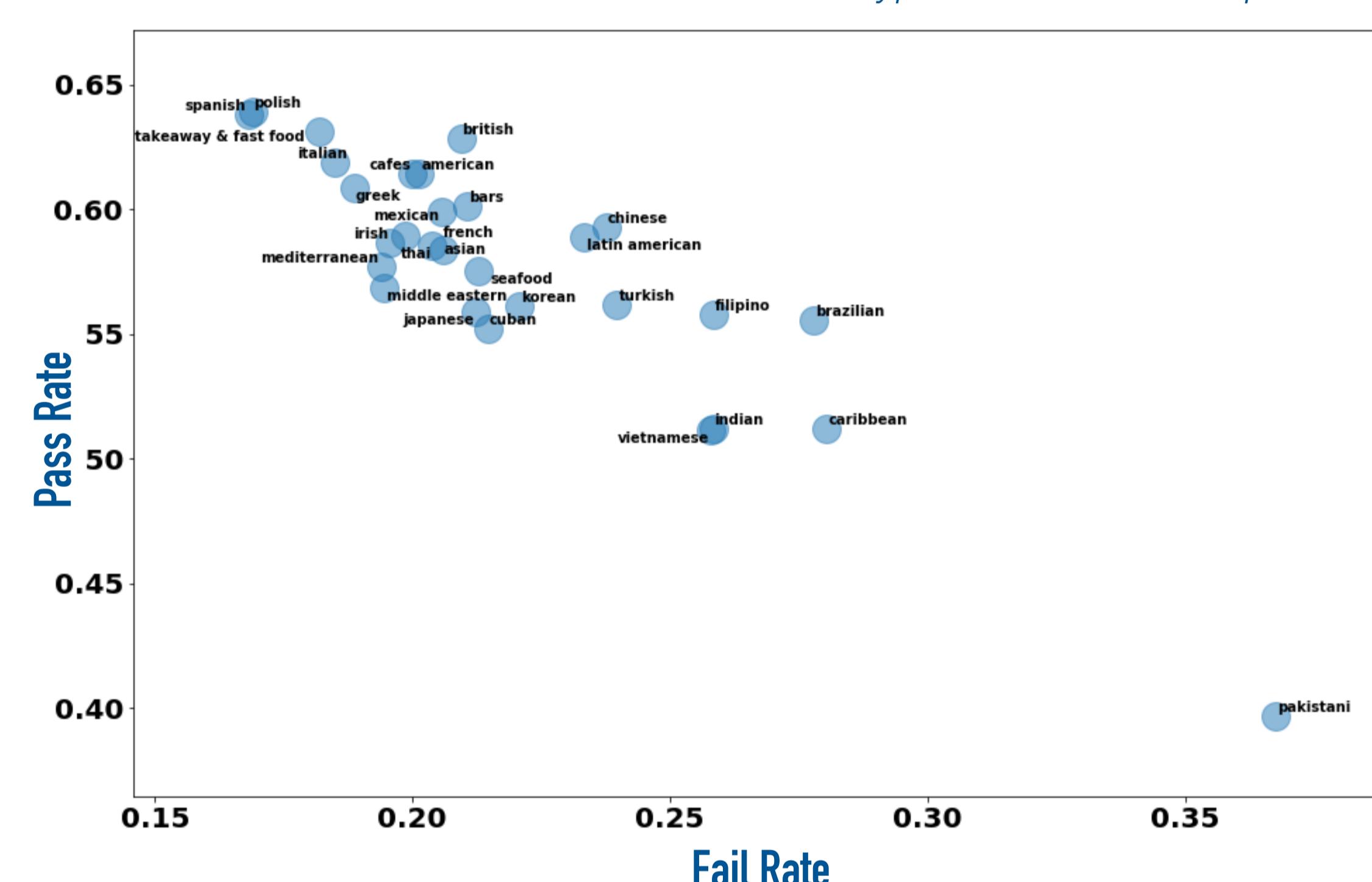


1. Does season influence food hygiene?



3. Which cuisine type is the cleanest?

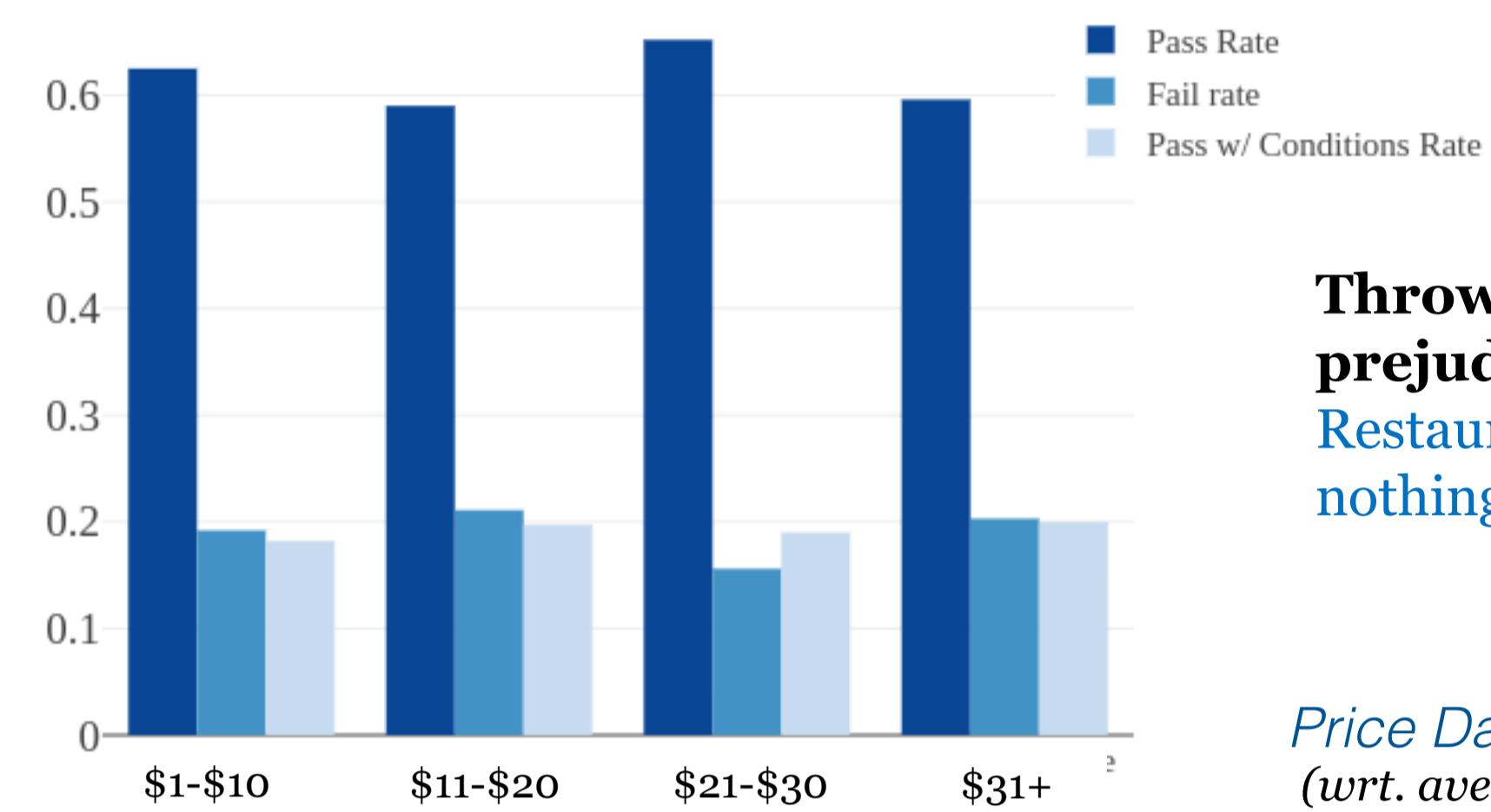
Cuisine Type Data Source: Yelp.com



5. Which community is the cleanest?

We categorise the 77 communities of Chicago into three regions based on their geographic location and economic situation: *North*, *Downtown* and *South*. How does the distribution of inspection results other patterns?

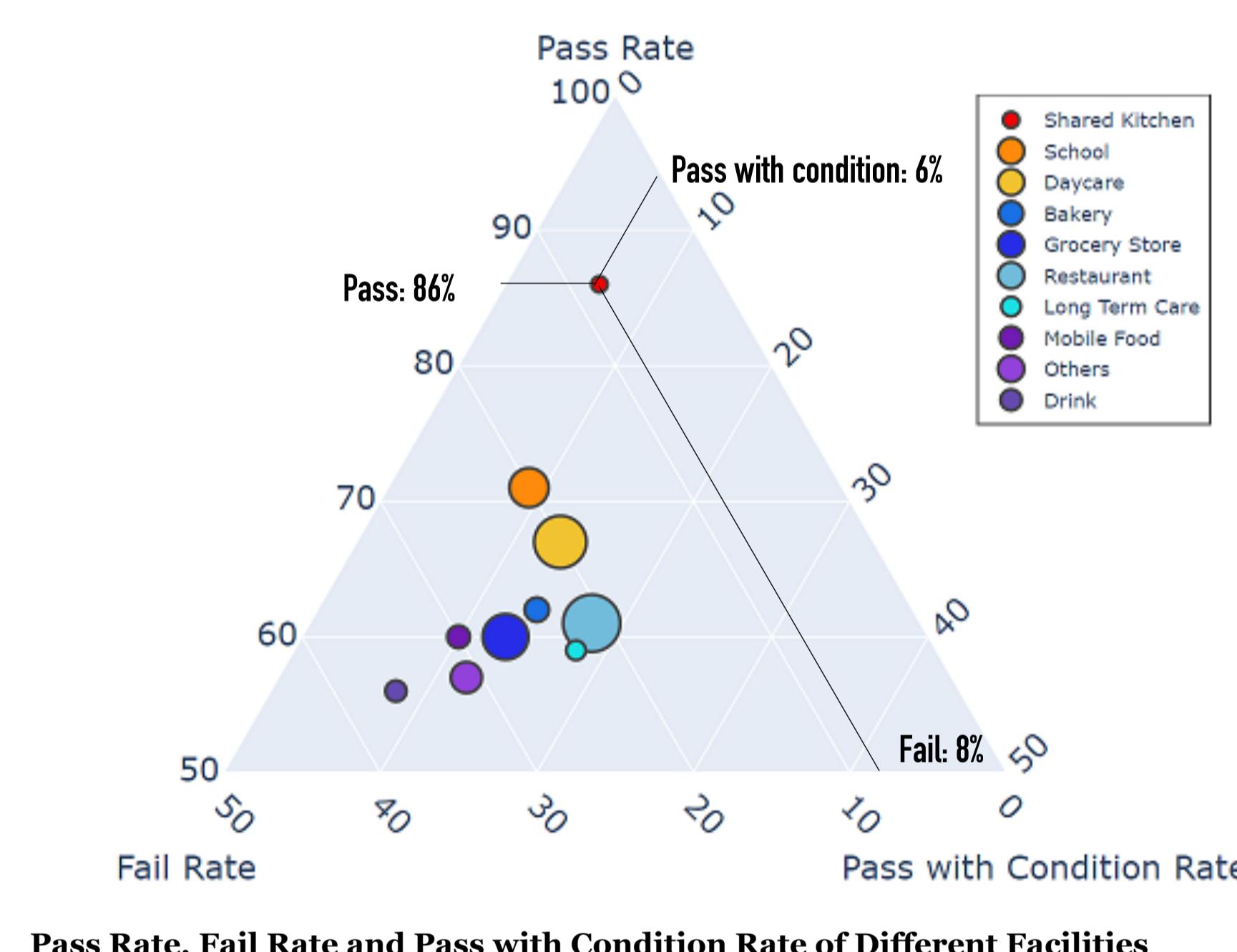
2. Is a fancy restaurant indeed cleaner?



Throw away your prejudice!
Restaurant hygiene has nothing to do with price.

Price Data Source: Yelp.com (wrt. average cost per person)

4. Which type of food facility is the best?



Pass Rate, Fail Rate and Pass with Condition Rate of Different Facilities

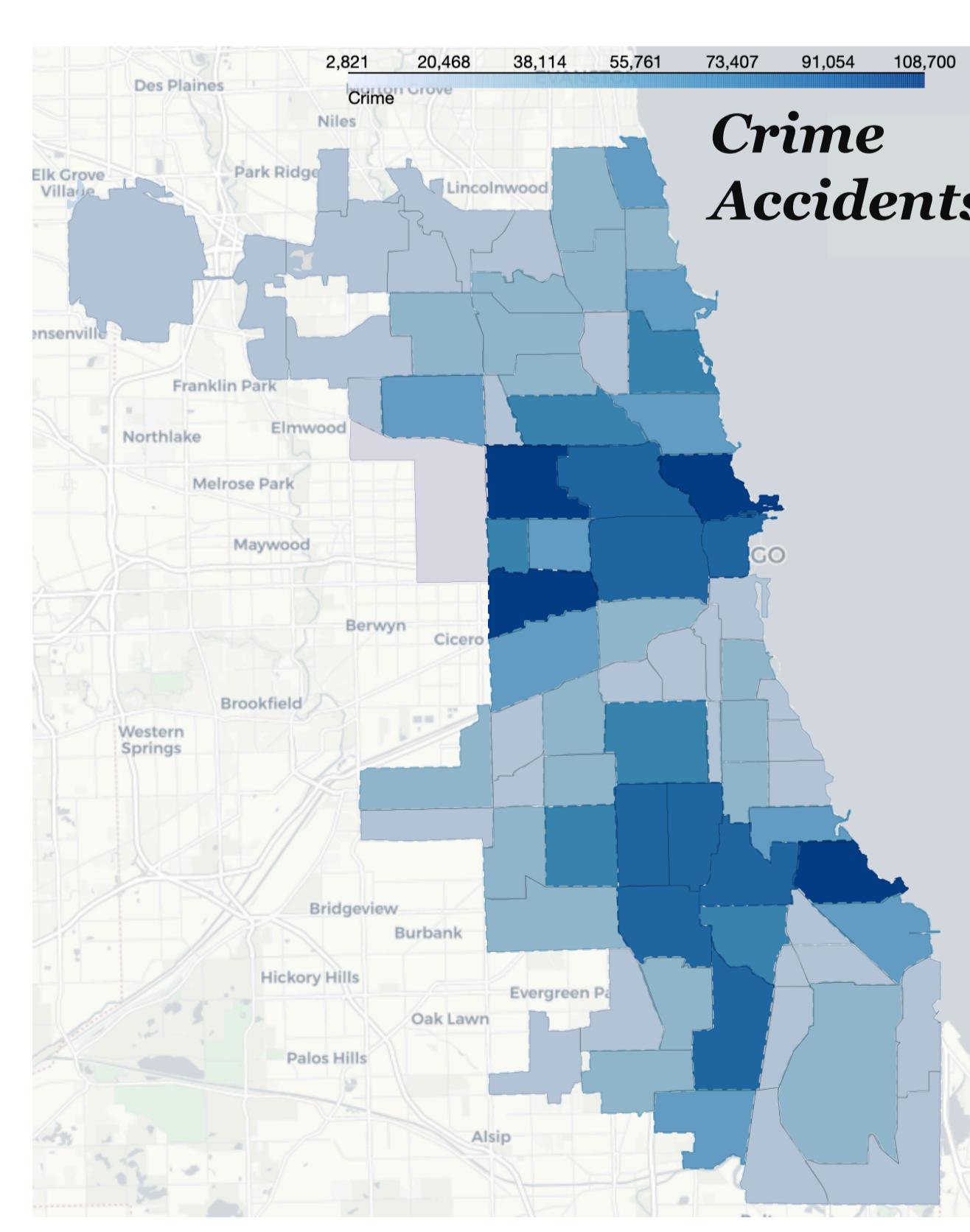
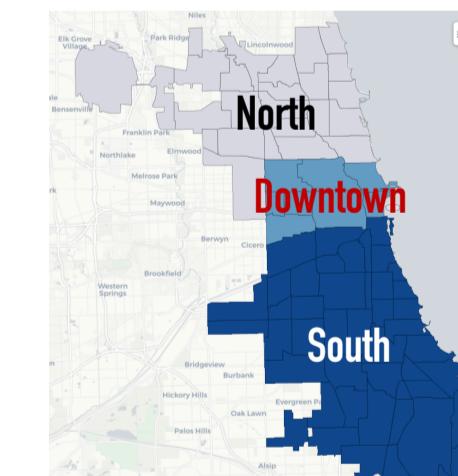
Shared Kitchens (86%)
A shared kitchen is a commercial space that is licensed and equipped for professional food production of food enterprises.

School (71%), Day Care Center (68%)
Establishments serving food for children and teens requires higher hygienic standards to prevent them from sickness.

6. Which community is the cleanest?

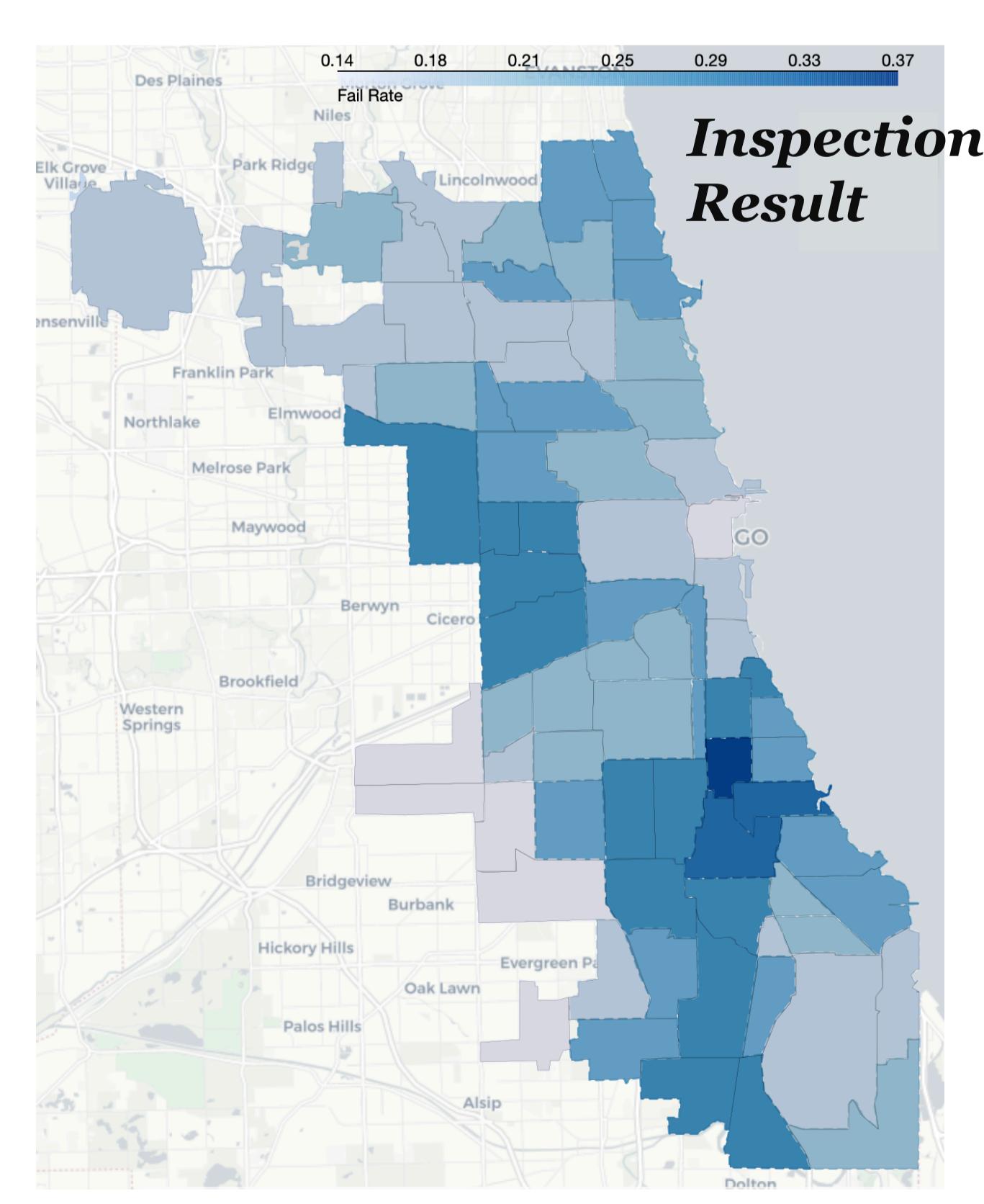
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Region	Fail Rate	Life Expectancy	Crime
North	21.92%	79.92	27270
Downtown	23.27%	76.53	83492
South	23.59%	75.85	32123

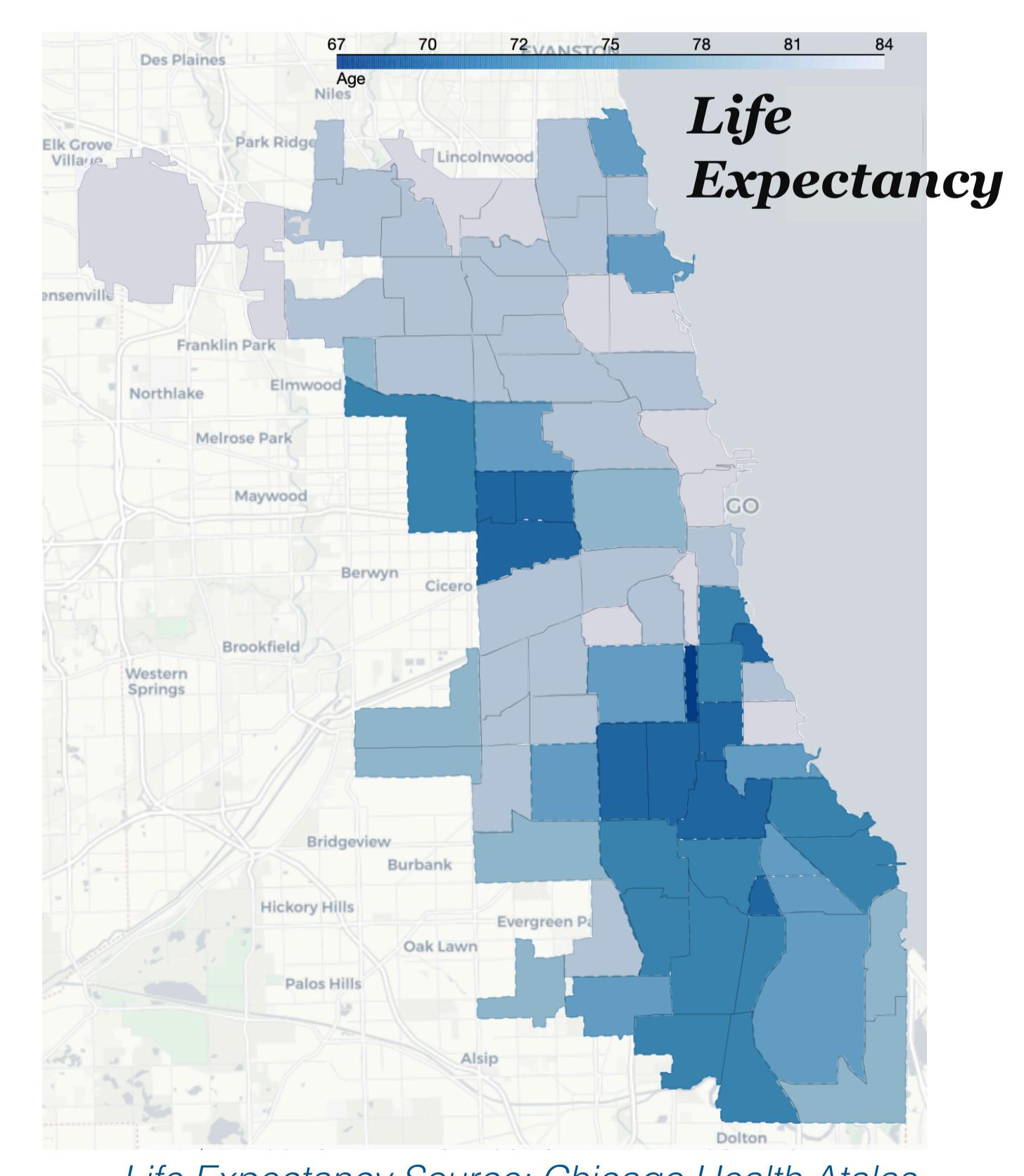


Crime Data Source: Chicago Police Department

The distributions of Crime Accidents and Inspection Results over communities are highly correlated.
The more crimes, the less wholesome food you can get.



Generally North is cleaner than Downtown and South.



Life Expectancy Source: Chicago Health Atlas
The distributions of Inspection Result and Life Expectancy over communities are highly correlated.
The healthier you eat, the longer life you get.