| **Date** | **Activity** |
| --- | --- |
| 2022-04-22 | * Go to attribute table of Restaurant\_within\_Pgh * Try to select restaurant that close in 2020 [no 0 & yes 0 & yes 0] * Get 81 * Try to select restaurant that close in 2021 [no 0 & no 0 & yes 0] * Get 68 * Join them together 🡪 RestaurantClose2020\_Merge * Rename to be RestaurantClose2020\_21 * 149 = 81+68 * Network Analysis🡪Service Area * Primary observation: CBD obviously because people stop coming to work in CBD, and there are also zones that popular among students (Lack of international students & online class). * Might need to do a table to show how many close restaurants (20/21) are in each neighborhood 🡪 table or Choropleth map? * Just Fun thought: I wonder out of 149 how many of them are Asians restaurants? |
| 2022-04-24 | * Check my Esri credits: 7,694.00 from 7992 = 298 = 149 \* 2 * The credits usage makes sense: 5,10 min count as \*2 * Just Fun thought: How many restaurants are within that walking area * Start outlining the report * Back to ArcGIS, copy and rename a new map “Overview Map of Restaurants” * Summarize Within * Central Business District 218, Southside Flats 122, Bloomfield 72, Shadyside 71, Squirrel Hill South 65, Strip District 64, Central Oakland 62 … * Symbology: Count of Points normalized by AREA * Symbology: try Method = Standard deviation, interval: ½ STDV * Realize that I should make 2019 VS 2020 VS 2021 of the same Choropleth |
| 2022-04-25 | * Copy and rename new map “2019 Restaurants Pittsburgh” * Select by attributes 🡪 Restaurant\_within\_Pgh Y2019 != 0 * Export RestaurantOpen2019 * Summarize Within RestaurantOpen2019 into Neighborhoods 🡪 export to Neighborhoods\_RestaurantOpen2019 * Equal 🡪 Manual Interval 50,100,150,201(MAX) * Orange 4 Classes * Copy and rename new map “2020 Restaurants Pittsburgh” * Select by attributes 🡪 Restaurant\_within\_Pgh Y2020 != 0 * Export RestaurantOpen2020 * Summarize Within RestaurantOpen2020 into Neighborhoods 🡪 export to Neighborhoods\_RestaurantOpen2020 * Equal 🡪 Manual Interval 50,100,150,196(MAX) * Orange 4 Classes * Copy and rename new map “2021 Restaurants Pittsburgh” * Select by attributes 🡪 Restaurant\_within\_Pgh Y2021 != 0 * Export RestaurantOpen2021 * Summarize Within RestaurantOpen2021 into Neighborhoods 🡪 export to Neighborhoods\_RestaurantOpen2021 * Equal 🡪 Manual Interval 50,100,150,175(MAX) * Orange 4 Classes * Make an excel file “result\_visual” ans copy from those 3 attributes tables * Rename Count of Points to Count 2019 Count 2020 Count 2021 * Format as Table & Sort by HOOD\_NO all 3 tables * Join then together, calculate Diff\_20\_19 Diff\_21\_20 Diff\_21\_19 * plot a grouped bar chart, top 10 sorted by Count\_2019 Descending * Now Try top 10 sort by “Diff\_21\_19” * Make a new map “Closure and Competitor Analysis” * Create feature “RestaurantOpenNew2021” using Select By Attributes Y2021 != 0 (this includes both new places in 2021 and places that already open before 2021) * new bookmark “Zoom Close Restaurant” * create “Walkable\_RestaurantOpenNew2021” using Summarize Within Walkable Proximity counting “RestaurantOpenNew2021” * ObjectID \* Shape \* FacilityID Name FromBreak ToBreak Shape\_Length Shape\_Area(Sq Km) Count of Points * 1 Polygon <Null> 5 - 10 5 10 2.62013 0.002902 **101** * 2 Polygon <Null> 0 - 5 0 5 1.20328 0.002578 **841** * Merge to create Restaurants\_Close2020\_2021 * then Summarize within to be Neighborhoods\_Close2020\_2021 * Copy result table to “CloseCovid” sheet in the excel * Mark counts as “COVIDCloseRestaurant”, sort by HOOD\_NO and copy Count 2019 * (Wow I feel so bad for South Oakland T\_T …) |
|  |  |