AP/USH+

Final Project 2022 – Supporting Question #1

* **Supporting Question #1** - What stories do the statistics tell about the Rochester region?

1. View one of the short videos (video 1 <https://www.youtube.com/watch?v=SFPGVTThJNk> or video 2 [https://www.youtube.com/watch?v=7hzDFkJcROE](https://www.youtube.com/watch?v=7hzDFkJcROE%20) ) on statistics, and answer the following questions:

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| What are the important aspects of statistics? | Sampling methods – Determines how you take data for your statistics. It’s important to take the right data in order to avoid biases.  Descriptive statistics – Highlights important data points. Describes or visualizes the statistics.  Inferential statistics – Making inferences based upon data collected. Allows you to see data trends and predict outcomes. |
| What can statistics tell you? | Statistics can tell you direct information regarding something or someone and results can be compared to find conclusions.  Statistics can also help find trends and predict outcomes if a certain framework is set. |
| What questions can be created about the accuracy of the statistics? | Was the sample group large enough to provide an accurate dataset?  Who or what was data collected on? Is this group diverse enough to remove biases? |

1. Examine Source A, Source B, and Source C and answer the following questions:

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|  | **What does that data tell you?** | **What does that data NOT tell you?** | **What does the data suggest about the segregation that exists in the Rochester region?** |
| **Source A**: Free and reduced lunches in the County  [High Schools located in Monroe County, NY (high-schools.com)](https://high-schools.com/directory/ny/counties/monroe-county/36055/) | Increased student population does not result in increased percent of students on free or reduced lunch.  Schools in the Rochester City School District have a higher average free or reduced lunch percentage (81%) as well as higher Black population (59%), and Hispanic population (26%).  Districts with lower free or reduced lunch population have a majority white population. Examples:  Fairport Central School District (15% Free or Reduced, 88% White)  Penfield Central School District (15% Free or Reduced, 85% White)  Pittsford Central School District (3% Free or Reduced, 78% White) | Who, ethnically, is on free or reduced lunch.  How many people in each district attend private schools, splitting data. | Minority population is often congregated in the city region, and due to poverty, many are forced to partake in free or reduced lunch. |
| **Source B:** The 50 best schools in upstate NY  [The 50 best school districts in Upstate New York, ranked for 2019 - newyorkupstate.com](https://www.newyorkupstate.com/news/g66l-2019/02/2c4474f1149e4/the-50-best-school-districts-in-upstate-new-york-ranked-for-2019.html#:~:text=The%2050%20best%20school%20districts%20in%20Upstate%20New,School%20District%20%28Rochester%2C%20Monroe%20County%29%20More%20items...%20) | 9 Monroe County schools make it onto the list, none of which are located within the city of Rochester’s school district. | Statistics on Rochester City Schools  Ethnical statistics on schools | Rochester City School District is not adequate |
| **Source C:** Why are Rochester’s schools America’s worst? Study Kodak Park School #41  [Worst schools in America? Rochester, NY, by many measures (democratandchronicle.com)](https://www.democratandchronicle.com/story/local/communities/time-to-educate/stories/2018/06/06/worst-public-schools-america-rochester-ny-rcsd-kodak-park-school-41/550929002/) | The poorest children in New York are found in Rochester City.  Students at Kodak Park School #41 have appalling English competency  In the Rochester Central School District, 94% are economically disadvantaged, with only 12% of the population being white | No information regarding the districts budget and how it impacts the education | Kodak Park School #41, much like other RCCD schools are failing to reach proper levels of education for their students, who are unable to get a better education due to economic disadvantages. |

1. Examine 7 sources of the Rochester Hard Facts report (Sources D1- D7) that are in the pages below the chart and fill in the chart.

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|  | **What does that data tell you?** | **What does that data NOT tell you?** | **What does the data suggest about the segregation that exists in the Rochester region?** |
| Low Birth Weight | The likelihood of being born under 5.5 lbs reaches 15% for African Americans, and 12% for Latinos, being up from the 6% of the White population. | Does not provide comparative data from other counties or cities. | African Americans and Latinos are subjected to worse conditions resulting in a low birth weight. |
| Children in Poverty | Poverty rates for Latinos and African Americans reach double the cities average, at 40% (Latino), and 49% (African Americans). | What standard defines reaching poverty? | The Latino and African American population are more heavily economic disadvantaged as opposed to the White and Asian population. |
| Unemployment | Unemployment for Latinos and African Americans is higher in Rochester than the national average as well as significantly higher than that of the White and Asian population inside Rochester. | National poverty rates of White and Asian population. | Families are not earning enough to afford the proper education. |
| Income | Income for Latinos and African Americans in a household is roughly half that of the White and Asian population.  Compared to the national averages, these groups continue to make significantly less. | Income vs Cost of Living is not shown, income and cost of living often varies based upon location. | With limited income, Latino and African American families are subjected to the conditions they are already in, unable to afford housing outside of the poverty-stricken city. |
| Poverty | The Latino and African American population reaches poverty rates over 3x that of the White population. | What metric is used to define poverty? | The poverty in Rochester reaches horrendously low rates amongst the African American and Latino population. |
| Homeownership | There is a significantly lower home ownership percentage regarding the Latino and African American population than the White and Asian population. | Average housing cost for each group. | Reliable housing is a problem in the Rochester City for an already poverty-stricken population. |
| Cost Burden of Renting | The percentage of income taken up by renting is 10% higher than the population average (33%) for the African and Latino Population (44%) | Average cost of rent for each group. | Latinos and African Americans have less freed up money to save or invest, making it harder for them to escape the poverty cycle. |























