LARGE LANGUAGE MODEL:

- I imported UChicago Medicine's Oakline community profile PDF into **NotebookLM**.

PROMPT & RESPONSE

Prompt 1: please generate 5 insights regarding the socioeconomics of those who live in Oakland

Here are five insights into the socioeconomics of Oakland residents:

1. Oakland is a small community with a median household income significantly lower than Chicago's. Oakland's population is 6,474, making it a very small community area. The median household income in Oakland is $28,084, which is less than half of Chicago's median household income of $53,006.
2. Unemployment is high in Oakland, and many residents struggle with housing costs and food insecurity. The unemployment rate in Oakland is 21%, compared to 8% in Chicago.33% of Oakland households spend 30% or more of their income on housing. Additionally, 45% of households receive food stamps and 49% are at risk for food insecurity.
3. A significant portion of Oakland's population lives in poverty. 32% of Oakland residents live in poverty, with 49% of children living below the poverty line. These figures highlight the economic challenges faced by a large segment of the community.
4. Educational attainment in Oakland is lower than in Chicago. 23% of Oakland residents aged 25 and over have a high school diploma or equivalent, while 30% have some college but no degree. In comparison, Chicago has a higher percentage of residents with a bachelor's degree or higher.
5. The high poverty rate and low educational attainment may contribute to other socioeconomic issues in Oakland. Social determinants of health, such as poverty and lack of education, can significantly impact residents' health and well-being. These factors may be linked to the high rates of unemployment, food insecurity, and housing struggles observed in Oakland.

These insights suggest that Oakland faces significant socioeconomic challenges, including low income, high unemployment, and a substantial poverty rate. These factors can have a cascading effect on other aspects of residents' lives, including health, education, and overall well-being.

Prompt 2: Please generate 5 insights between 20 and 50 wordsin length; **Prompt 3:** please generate 5 insights in which each insight is between 20 and 50 words in length; **Prompt 4:** please generate 5 insights regarding the socioeconomics of those who live in Oakland in which each insight is between 20 and 50 words in length

Here are five insights about the socioeconomics of those who live in Oakland:

- Oakland residents have a low median household income. The median household income in Oakland is $28,084, significantly less than Chicago's median income of $53,006. This suggests that many Oakland residents face financial challenges.
- A large percentage of the Oakland population is living in poverty. 32% of Oakland residents live below the poverty line, with 49% of children in the area living in poverty. This high poverty rate likely contributes to other socioeconomic issues faced by residents.
- High unemployment contributes to financial hardship in Oakland. The unemployment rate in Oakland is 21%, more than double the rate of Chicago.This lack of employment opportunities can make it difficult for residents to improve their economic standing.
- Housing costs place a heavy burden on Oakland residents. 33% of Oakland households spend 30% or more of their annual income on housing costs. This high housing cost burden can further strain already limited finances.

- Food insecurity is a significant problem in Oakland. 45% of households in Oakland rely on food stamps, and 49% of households are at risk for food insecurity. This indicates that a large portion of the population struggles to afford basic necessities.

LEARNED LESSON: NotebookMN is limited in its ability to generate numerous insights of *X* character length. Responses are very robust without the character

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LARGE LANGUAGE MODEL: OpenAI/ ChatGPT

PROMPT & RESPONSE

    Prompt 1: Please create 5 insights about the socioeconomic status of those living in Chicago's Oakland community

The Oakland community in Chicago exhibits several notable socioeconomic characteristics:

1. Population Growth: Between 2010 and 2022, Oakland experienced a population increase of 17.9%, rising from 5,917 to 6,977 residents. citeturn0search0

2. Household Income: As of 2020, the median household income in Oakland was $36,838, which is significantly lower than the national median of $78,538. citeturn0search10

3. Employment Composition: The workforce in Oakland is predominantly engaged in white-collar occupations, accounting for 86.77% of the employed population, while blue-collar workers make up 13.23%. citeturn0search1

4. Racial Demographics: The community is predominantly African American, comprising 86.7% of the population, with Whites at 4.4%, Hispanics at 5.8%, and Asians at 1.6%. citeturn0search10

5. Household Size: The average household size in Oakland is 2.0 individuals, which is lower than both the city of Chicago's average of 2.4 and the CMAP region's average of 2.6. citeturn0search0

These insights highlight Oakland's growing population, lower median household income, predominantly white-collar employment, significant African American majority, and smaller household sizes compared to broader regional averages.

    Prompt 2: Please create 5 insights about the socioeconomic status of those living in Chicago's Oakland community without an intro sentence or summary sentence

1. Between 2010 and 2022, Oakland experienced a population increase of 17.9%, rising from 5,917 to 6,977 residents.
2. The median household income in Oakland as of 2020 was $36,838, significantly lower than the national median of $78,538.
3. The workforce in Oakland is predominantly engaged in white-collar occupations, accounting for 86.77% of the employed population, while blue-collar workers make up 13.23%.
4. The community is predominantly African American, comprising 86.7% of the population, with Whites at 4.4%, Hispanics at 5.8%, and Asians at 1.6%.
5. The average household size in Oakland is 2.0 individuals, which is lower than both Chicago's average of 2.4 and the CMAP region's average of 2.6.

LARGE LANGUAGE MODEL: MistralAI/ Le Chat

PROMPT & RESPONSE

Prompt 1: Please create 5 insights about the socioeconomic status of those living in Chicago's Oakland community without an intro sentence or summary sentence. Each insight is between 20 and 50 characters in length.

Note This is before inputting UChicago Medicine's Oakland Community Profile*

I don't have real-time or specific data about the socioeconomic status of those living in Chicago's Oakland community. To provide accurate insights, I would need information on factors such as income levels, employment rates, education levels, housing conditions, and access to healthcare and social services. Could you provide more context or details about these factors?

Prompt 2: Please create 5 insights about the socioeconomic status of those living in Chicago's Oakland community without an intro sentence or summary sentence. Each insight is between 20 and 50 characters in length.

Note This is after inputting UChicago Medicine's Oakland Community Profile*

- Oakland's median income is $28,084, less than half of Chicago's median.
- Poverty rate in Oakland is 32%, significantly higher than Chicago's 19%.
- Oakland's population is predominantly Black (92%), with a notable gender split (59% female, 41% male).
- The community has seen a 9% population increase, outpacing Chicago's 6% growth.
- A significant portion (17%) of Oakland's population are young adults aged 05-14.

Prompt 3: Please create 5 insights about the socioeconomic status of those living in Chicago's Oakland community without an intro sentence or summary sentence.

Note This is after inputting UChicago Medicine's Oakland Community Profile*

- Oakland's median household income is significantly lower at $28,084 compared to Chicago's $53,006.
- The poverty rate in Oakland is notably high at 32%, compared to Chicago's 19%.
- A substantial portion of Oakland's population, 17%, are young individuals aged 05-14.
- Oakland has a higher unemployment rate compared to the broader Chicago area.
- The community has a predominantly Black population (92%), with a majority being female (59%).

Prompt 4: Please create 5 insights about the socioeconomic status of those living in Chicago's Oakland community without an intro sentence or summary sentence. Each insight is between 20 and 50 words in length.

- Oakland's median household income is significantly lower at $28,084 compared to Chicago's $53,006, indicating economic challenges.
- The poverty rate in Oakland stands at 32%, notably higher than Chicago's overall rate of 19%.
- Unemployment in Oakland is a pressing issue, with rates surpassing those of the broader Chicago area.
- Oakland has seen a population increase of 9%, outpacing Chicago's overall growth rate of 6%.
- A significant portion of Oakland's population, 17%, are young individuals aged 5-14, highlighting the community's youthful demographic.

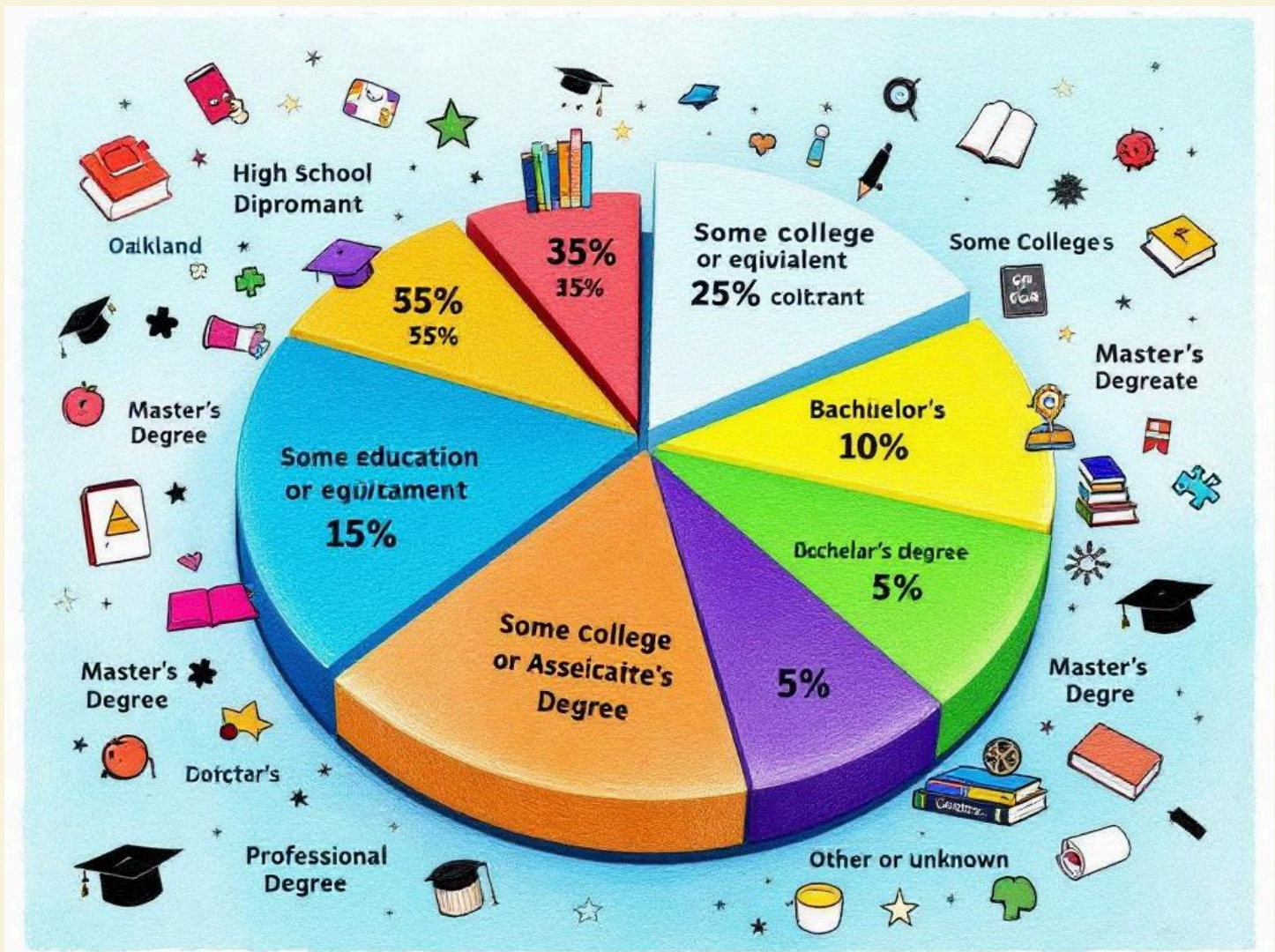**Lesson Learned:** MistralAI/ Le Chat generates arguably less robust insights than both NotebookLM and ChatGPT.

PARAMETERS

- Create 5 insights

- without an intro sentence or summary sentence

- Each insight should be between 20 and 50 words

Example: Please create *5* insights about the ***socioeconomic status*** of those living in Cook County, Illinois' ***Oakland*** community without an intro sentence or summary sentence. Each insight should be between 20 and 50 words.

INFOGRAPHICS, BAR CHARTS, AND GRAPHS GENERATED BY MISTRALAI/ LE CHATPLEASE

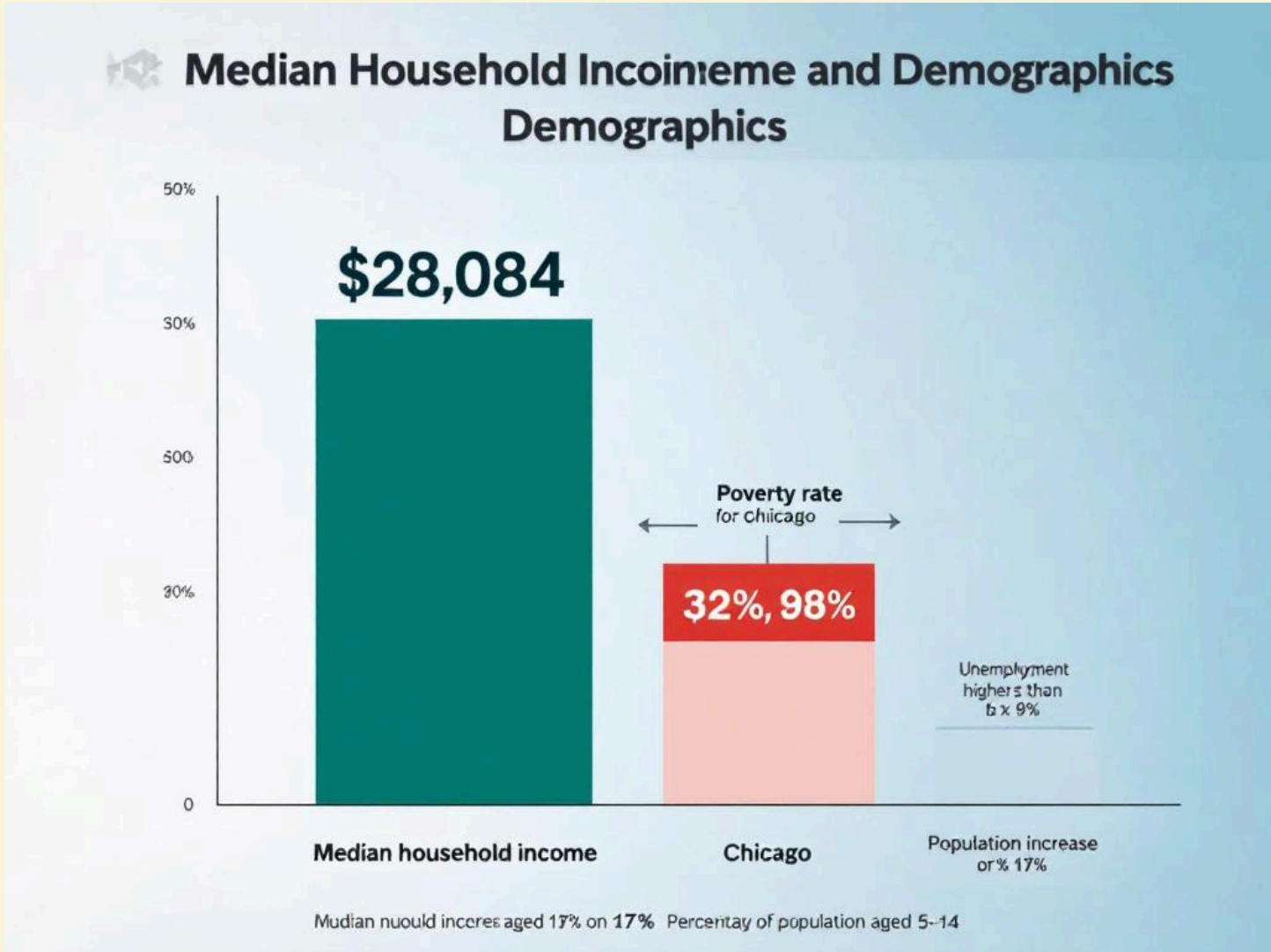**Prompt 1:** Please generate one pie chart illustrating Oakland's highest education attainment

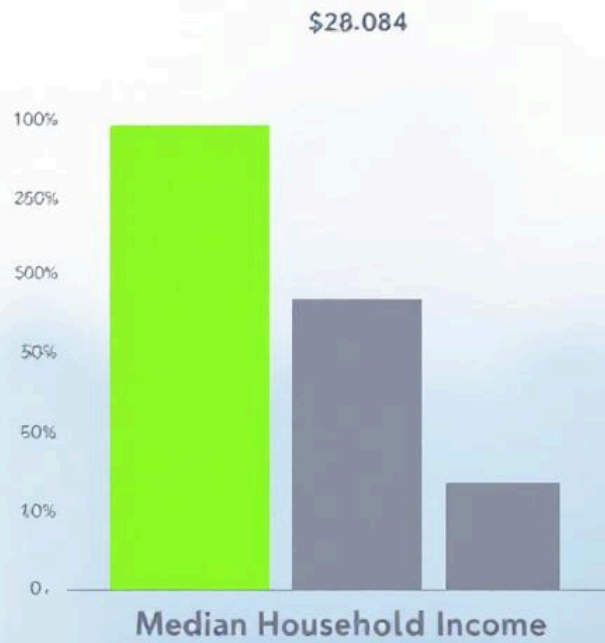**Prompt 2:** Please generate an infographic illustrating Oakland's economic factors.

Prompt 3: please generate one infographic illustrating Oakland's median household income.

City Demographics

Prompt 4: Please generate one bar chart illustrating Oakland's unemployment level