# **Byte-mersion**



01

On Background Analysis

**Ethnic Concentration** 

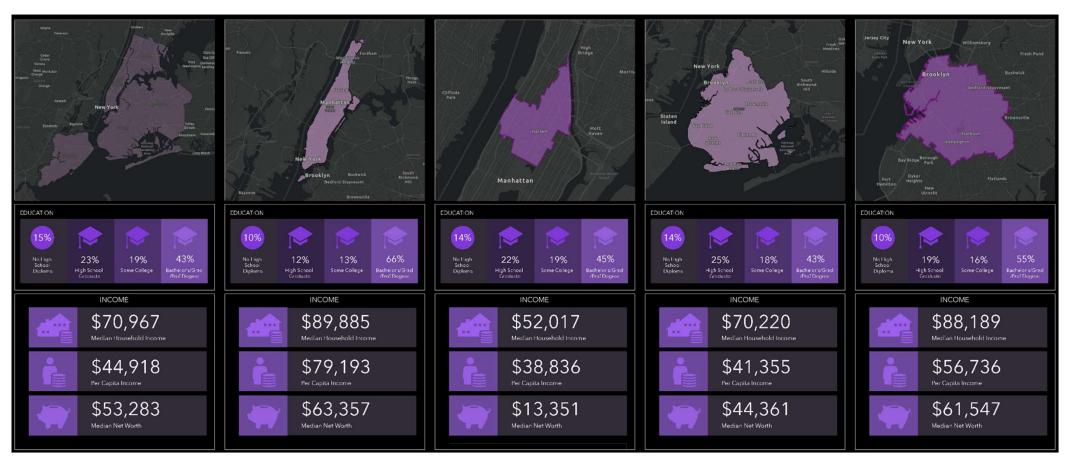
Per Capita, Median Income/Net Worth

**Household Income Distribution** 

Level of Attained Education

Household Employment

# **Education and Income Data**



New York City

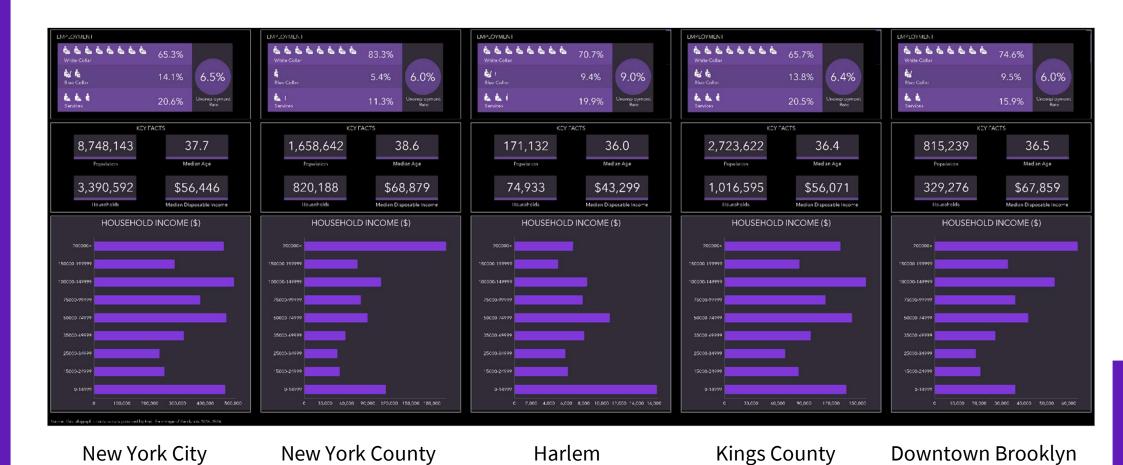
**New York County** 

Harlem

**Kings County** 

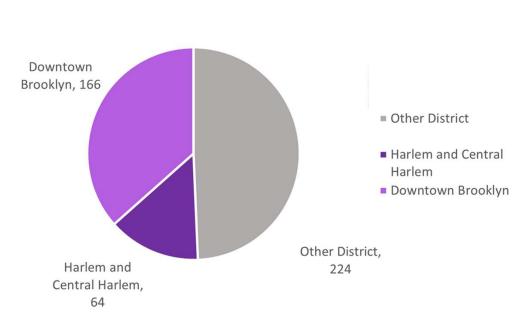
Downtown Brooklyn

# **Employment and Household Income Data**

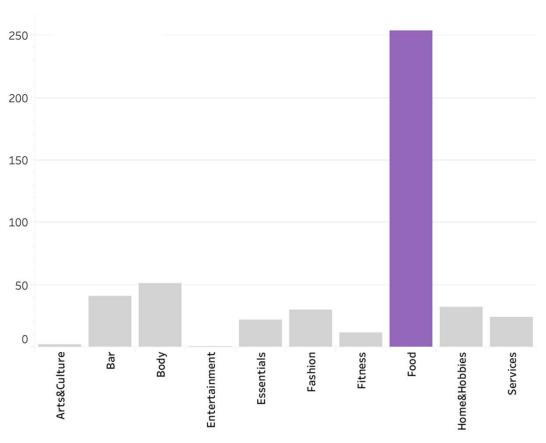


# **Business and Industry Data**

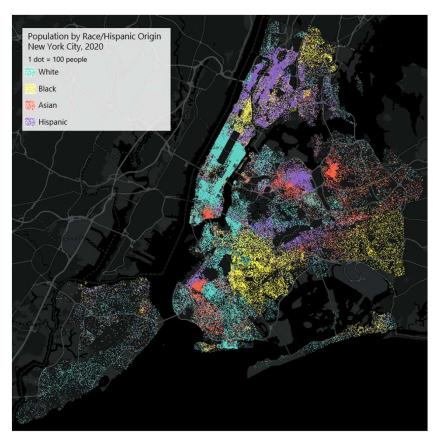
African American-owned Business Location



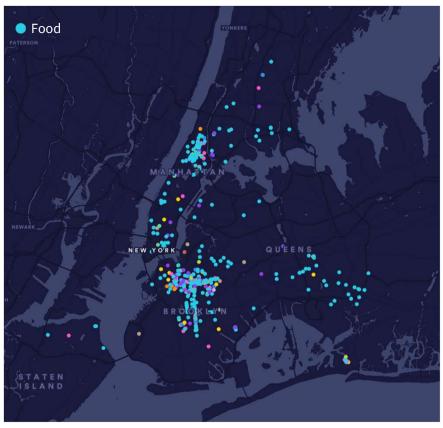
### NYC African American-owned Business In Each Industry



# Research Direction: Food and Hospitality Industry



Population by Racial Origin in New York City, 2020 (1 dot = 100 People)



Concentration of African-American Owned
Businesses in NYC

02

On ESG Relevance

Asking Relevant Questions

**Environmental Challenges** 

Societal Challenges

Governing challenges

The Story to the Data

Under lens of ESG
the Relevant Questions

What are the

**Internal Operating challenges** 

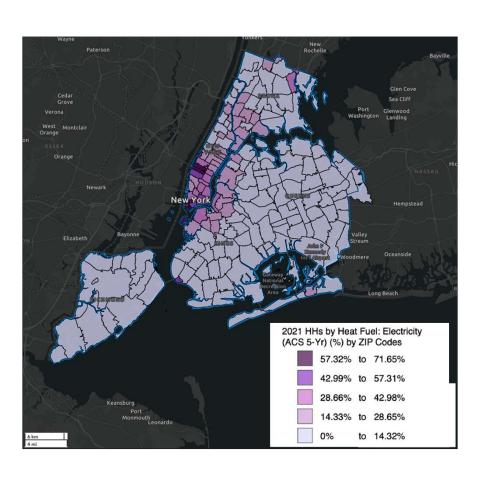
and

**External Expansion challenges** 

facing African-American business owners

under the ESG framework?

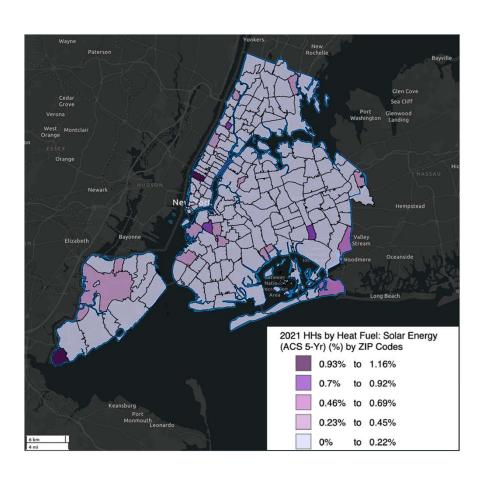
# **Determining the Environmental challenges**



#### 1) Renewable Energy Access

Retrofitting the business to use more renewable-energy friendly forms of heating (instead of Natural Gas, for example) is both costly and difficult to accomplish for many African-American business owners in communities where the adaptation of heating by electricity is not widespread

# **Determining the Environmental challenges**



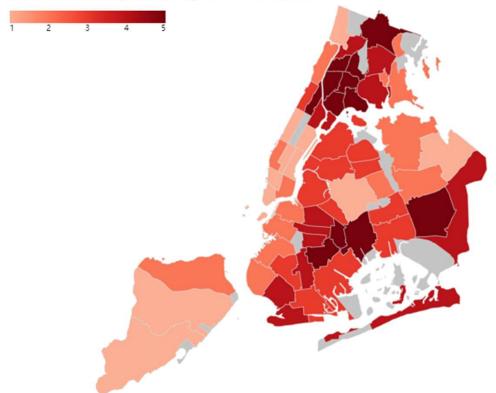
#### 2) Non-Renewable Energy Sustainability

Due to slow migration to renewable energy such as solar for city-wide, African-American business owners often have no choice but to launch their businesses in buildings that rely on little renewable energy

# **Determining the Environmental challenges**

#### Heat vulnerability index

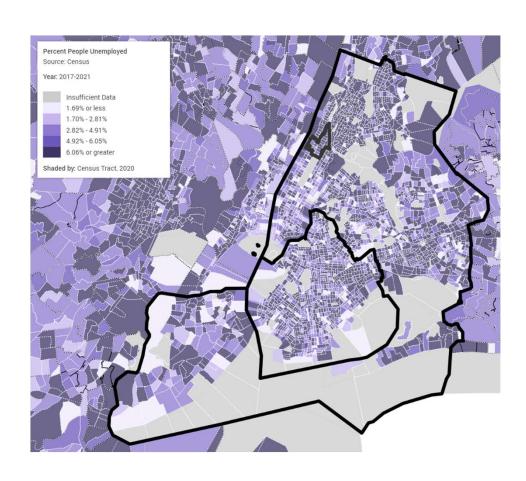
Score (1 (lowest) to 5 (highest)), by Neighborhood (CDTA) (2023)



#### 3) Environmental Quality

Like many other minority congregations in the city, African-American communities in the NYC faces many environmental hazards (extreme heat, for example) that exacerbates the operating environment for local businesses in extreme weather conditions

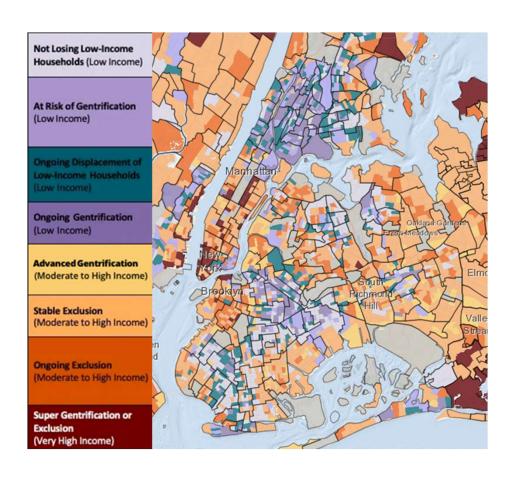
# **Determining the Societal challenges**



#### 1) Manpower for Outreach

A relative small employment size meaning small businesses have less manpower to carry-out local social responsibilities. This relative inability to act as alternative employment options coincides with data showing African-American communities have relatively higher rates of unemployment.

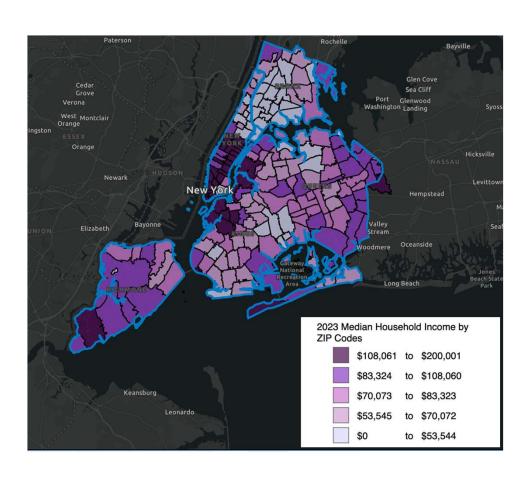
# **Determining the Societal challenges**



#### 2) Advent of Gentrification

Gentrification, especially in communities of higher concentration of African-American ethnicities inflates local rent, pushing current residents out of their native enclave, ultimately uprooting the community basis for additional new African-American businesses in the food/hospitality industry in these communities

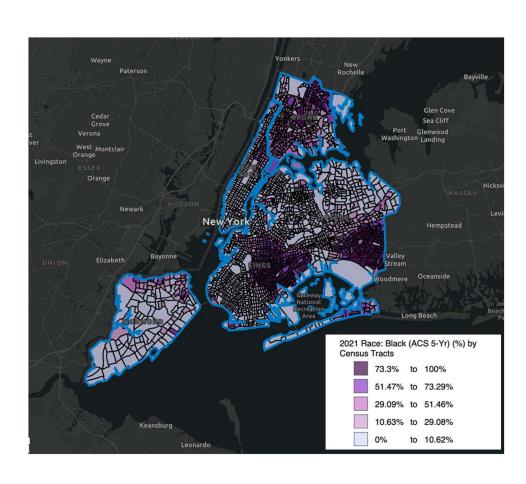
# **Determining the Societal challenges**



#### 3) Purchasing Power of local customers

Many African-American owned businesses are located in ethnic communities with lower household median income and is therefore likely to patronize local food businesses less

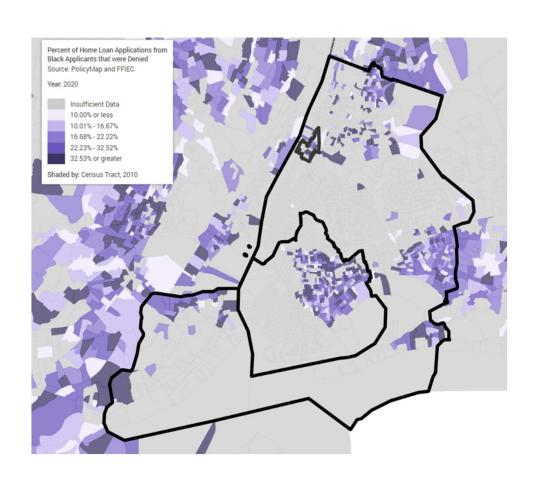
# **Determining the Governing challenges**



#### 1) Business Size

Higher concentration of Small businesses correlates with neighbourhoods of higher African-American concentration

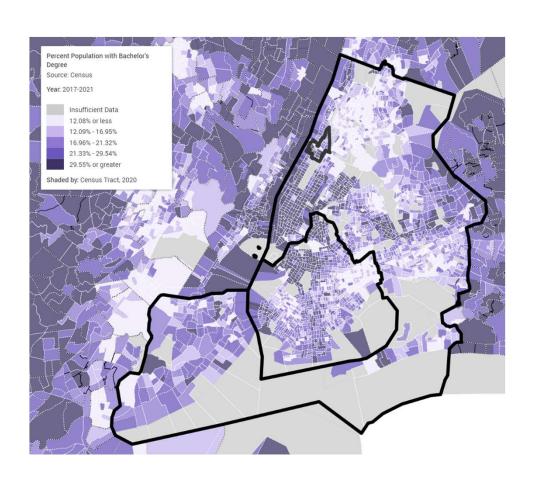
# **Determining the Governing challenges**



#### 2) Access to Start-up Investment

Small initial startup capital and inability to proper financing higher loan denial in black neighbourhoods and lower amount of small loans)

# **Determining the Governing challenges**



#### 3) Access to Knowledge

Black businesses faces more austere challenges in recruitment of skilled workers and management know-how within their local communities

### **Assessment under the ESG Framework**

# **Answering Our Curiosities**

#### **Internal Challenges**

- Business know-how and access to skilled local workforce
- Initial startup financial capital

#### **External Challenges**

- Outreach and continuous external investment opportunities
- Challenging and rapidly evolving operating environment





03

On Proposals Under the ESG Framework Asking Relevant Questions

**Environmental Challenges** 

Societal Challenges

Governing challenges

The Story to the Data

## Participating in the ESG Framework

# **Exploring Future Business Outreach Opportunities**

As data has shown that a large number of local businesses in major African-American communities in NYC concentrate on food and hospitality industry, ensuring long term growth, especially under the **ESG** framework as a new growth vector, is of utmost importance.



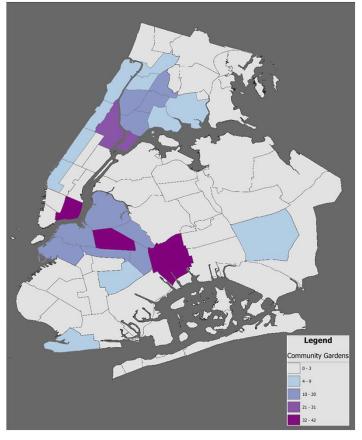
## Participating in the ESG Framework

# Bolstering Urban Gardens as the Center of Natural and Spiritual Nourishment

Current community gardens exist within African-American communities, as well community-conscious food and hospitality businesses that promises and actively partakes in giving back to their loving patrons. It is time to further incorporate them into the outreach agendas of more local businesses, and develop into a future hallmark of public-private community partnerships within the **ESG** framework.







## Participating in the ESG Framework

# Bolstering Urban Gardens as the Center of Natural and Spiritual Nourishment



#### **Environmental Impact**

Community participation in creating better local natural environment reduces non-renewable energy use and more tenacity against extremely weather conditions



#### **Societal Impact**

Proceeds of community gardens support local educational funds for aspiring scholars of next generation, while also serving as nexus for public service and social interaction



#### **Governing Impact**

A virtuous cycle in fostering a more resilient community, enabling involved businesses to score higher on on the ESG evaluation metrics and potentially introduce more avenues of growth and external investment

# **Image Credits**

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- African-American Businesses Image 2: https://www.instagram.com/p/CvzbdIvABCA/ via amyruthsharlem on Instagram
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- Dynamics of Racial/Hispanic Composition in NYC Neighborhoods: https://storymaps.arcgis.com/stories/46a91a58447d4024afd00771eec1dd23
- Black-owned business in NYC: https://share.livexyz.com/maplist/5eda2f900b1e580001f12ff5?&pinSize=large
- Heat vulnerability index: https://a816-dohbesp.nyc.gov/IndicatorPublic/beta/data-explorer/climate/?id=2191#display=map
- New York Gentrification and Displacement: https://www.urbandisplacement.org/maps/new-york-gentrification-and-displacement/