

## **NCF Philanthropic giving to Black Communities in MA: Team C**

**Team Members:** Sharon Zou, Tyler Nguyen, Fiona Mei, Justin Lee, Esther Choi

# **Early Insights Report**

## **1. Collect and pre-process a preliminary batch of data:**

We have a pretty clean set of data, with organizations, their contributions, grants received, revenue information, the type of organization they are, etc.. It contains a lot of the information we need to determine where money is going and how it compares to support for black communities, so no additional cleaning is needed (ie. merging two datasets together).

## **2. Perform a preliminary analysis of the data - [Here](#) is a guide to help you get started.**

1. How many observations/rows are there?
  - a. There are 2473 observations/rows in the grants dataset.
  - b. The Base\_bundle sheet has 62866 rows representing different organizations.
2. How many variables/columns are there?
  - a. The grant sheet has 67 columns
  - b. The Base\_bundle sheet has 33 columns providing basic information such as location and financial stats.
3. What kinds of variables are there? Categorical? Numerical? Both?
  - a. There are both Categorical and Numerical columns or variables in both datasets.

## **3. What questions can & can't be answered with the data you have. What other data do you need and how will you get access to it?**

We can answer all of the questions with the data that we have. Below are snippets of the resulting tables, and the full code is in the Colab Notebook [here](#) (note: question #3 is very similar to question #1)

1. What are the total contributions (CONTRIB\_ALL) and revenue (total\_revenue) of all nonprofit organizations who have stated that their recipient subject code (pcs\_population) corresponds to people of African descent and people of Latin American descent

\* note: CONTRIB\_ALL does not exist in the dataset, but we can group by grantmakers in the grant sheet + sum up their grants to get their total contribution

	organization_name	total_revenue
19491	Casa Latina Inc	18211.0
19694	African Bridge Network	94623.0
19891	Haitian American Business Expo Inc	72345.0
19892	Haitian American Business Expo Inc	74238.0
19994	Robbins House Inc	88100.0
...	...	...
62746	Boston Senior Home Care Inc	46611722.0
62760	Project Step Inc Symphony Hall	1064600.0
62843	Full Steam Forward Inc	1265399.0
62856	Mision De Caridad	126790.0
62860	Love Your Magic	132787.0

341 rows x 2 columns

Total Revenue (above), Total contribution (below)

gm_name	
1772 Foundation Inc	50000
4POINT0 SCHOOLS	10000
A.C. Ratshesky Foundation	30000
AARP	9000
ALBERTSONS COMPANIES FOUNDATION	25000
...	...
Yale Charitable Foundation	6000
Yawkey Foundation II	671000
Yum Brands Foundation Inc	250000
Zell Family Foundation Inc C/o Loring Wolcott & Coolidge Office	5000
Zoe's Best Friend Inc	5000

Name: amount\_usd, Length: 573, dtype: int64

- What are the subject focus areas of the organizations who have stated that their recipient subject code (pcs\_subject ) corresponds to people of African descent and people of Latin American descent?

	organization_name	pcs_subject
19491	Casa Latina Inc	SB070100 Basic and remedial instruction; SS000...
19694	African Bridge Network	SN030000 Community improvement
19891	Haitian American Business Expo Inc	SN060100 Business promotion
19892	Haitian American Business Expo Inc	SN060100 Business promotion
19994	Robbins House Inc	SA070400 History museums; SA090300 Historic pr...

- What is the financial status (total\_assets\_eoy) and (total\_revenue) of organizations whose stated recipient code is people of African and Latin American descent?

	organization_name	total_assets_eoy	total_revenue	active_status
19491	Casa Latina Inc	62839.0	18211.0	Inactive
19694	African Bridge Network	22472.0	94623.0	Active
19891	Haitian American Business Expo Inc	20866.0	72345.0	Active
19892	Haitian American Business Expo Inc	42618.0	74238.0	Active
19994	Robbins House Inc	90400.0	88100.0	Active

4. What nonprofits have received grants and where are they based (geo? What recipients and

	recip_name	recip_city
0	Brigham & Womens Physician Hospital Organizati...	Boston
1	City on a Hill Charter Public School	Jamaica Plain
2	Somali Development Center Inc	Roxbury
7	Trustees of Phillips Academy	Andover
10	Refugee & Immigrant Assistance Center	Roxbury

5. Who is giving to nonprofits with recipient subject codes or population served codes corresponding to African and Latin American descent?

	gm_city	organization_count
117	Middlebury	1
118	Midland	1
119	Milton Village	1
123	Morristown	1
126	NORWICH	1
...	...	...
228	Wilmington	25
233	Worcester	38
217	Washington	45
135	New York City	135
20	Boston	493

6. How does the list of grant recipients compare with the overall population of nonprofits?

There are 22894 unique nonprofit organizations.

There are 456 unique grant recipients.

131 of these nonprofits organizations are grant recipients.

129 of these nonprofits cater towards the black population.

```

131 nonprofits are recipients
129 black nonprofits are recipients
0          Casa Latina Inc
1          African Bridge Network
2          Haitian American Business Expo Inc
3          Robbins House Inc
4          Concerned Black Men of Massachusetts Inc
      ...
124      Center for Public Interest Research Inc
125      Max Warburg Courage Curriculum Inc
126      Boston Senior Home Care Inc
127      Full Steam Forward Inc
128      Love Your Magic
Length: 129, dtype: object

```

#### 4. Answer 1-2 Key Questions of the project

- How much funding is going toward racial justice programs (based on donations to nonprofits that focus on these issues) in Massachusetts and how has this shifted over time?
- How much funding is going toward nonprofits led by Black or LatinX individuals (president, executive director, board chair, etc.) in Massachusetts?
  - \$6,995,565,469.0
- What are other trends related to the type of organizations and grants that are being funded serving the Black and LatinX communities in Massachusetts e.g. missions of the nonprofits, issue focus of the grants, changes in amounts donated over time, etc.
- Who are the top funders of racial justice programs in Massachusetts?
  - Greater Worcester Community Foundation, Inc.
  - Preparatory Foundation Inc
  - Eastern Bank Foundation F/k/a Eastern Bank Charitable Foundation
  - Masshire Hampden County Workforce Board Inc

#### Initial presentation for client about progress, plan, and project plan

Submit all of the following information (code, notebooks, answers to questions) as a PR to your team's branch on GitHub. (Add your TPM and TA as reviewers!)