

ANALYSIS ON MWDSBE

Office of the City Controller

What we've done

- Downloaded the OEO registry
- Geocoded the businesses: added latitude/longitude to each business
- Matched this registry against other publicly available datasets, based on vendor name

The data

- Registry: all registered MWDSBE, downloaded from the OEO's website
- Public datasets:
 - Business Licenses: Commercial Activity Licenses. Information includes license information such as license number, activeness, etc.
 - State Licenses: list of sales tax licenses, exemption and wholesaler certificates as maintained by the Department of Revenue (DOR) that are active
 - City Payments: includes checks and ACH (direct deposit) payments made by the City during 2017 fiscal year.
 - Professional Services: Professional Services Contracts by fiscal quarter from 2013 to 2019

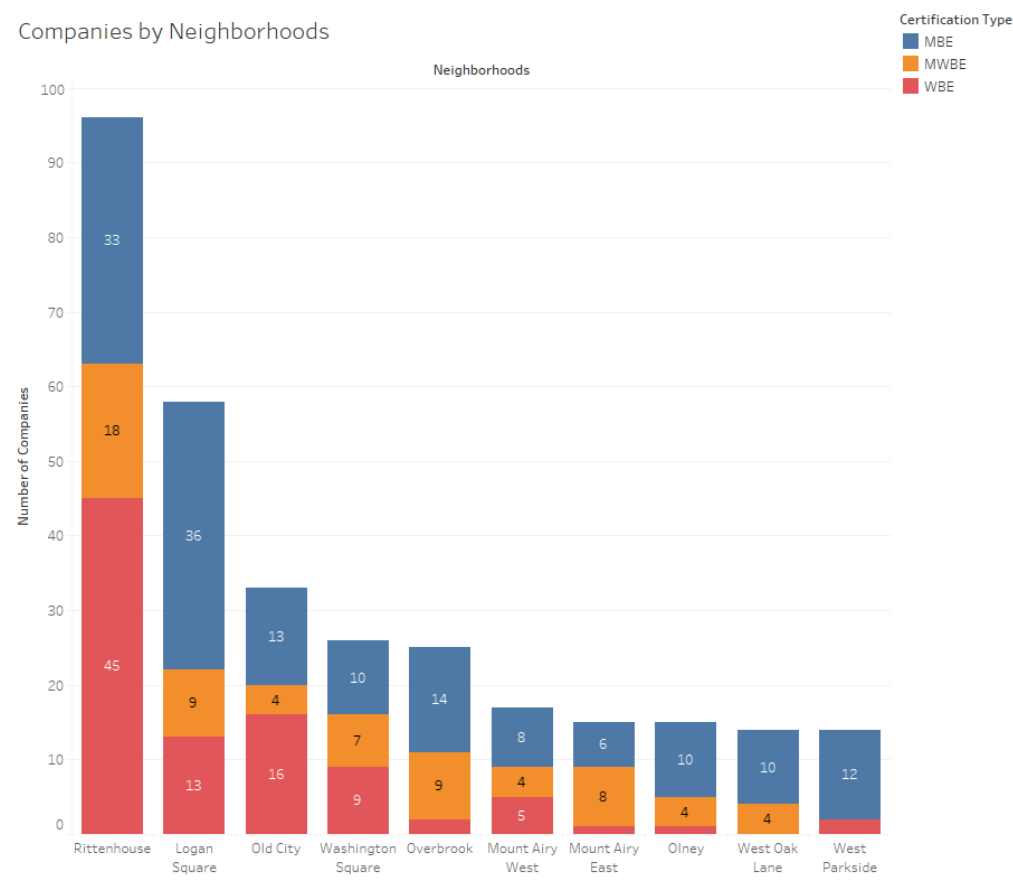
Across all of the datasets, we've matched about 60% of the companies in the registry (about 1,800 companies)

Goal: Build out interactive dashboard + map highlighting major trends around geographic location, payment amounts, certification type, etc. (similar material as presented in the OEO's annual report).

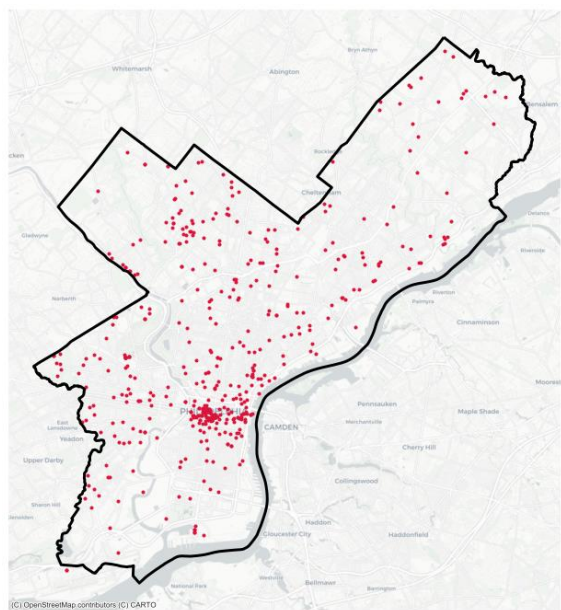
Matching Records

- Registry + Business Licenses
 - Fuzz 95 + TF-IDF 85: 1566 out of 3119
 - Data path: MWDSBE\analysis\data\processed-data\Registry-OpendedataLicense\fuzz95_tf85.csv
- Registry + General Fund
 - Fuzz95 + TF-IDF 80 – wrong matches manually: 150 – 14 = 136
 - Data path: MWDSBE\analysis\data\processed-data\Registry-GeneralFunds\joined-136-total-payments.csv
- Registry + Business Licenses + General Fund
 - 1603 out of 3119 (51.4 %)

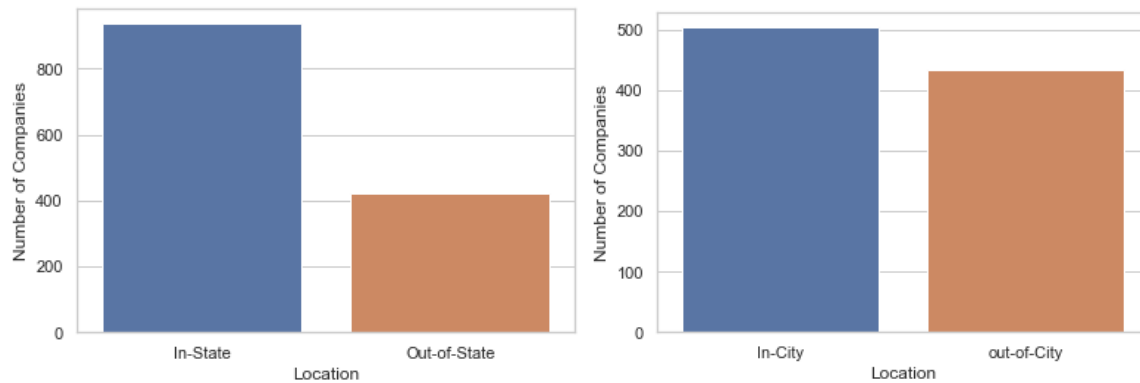
Neighborhoods with the most registered businesses



Locations of registered businesses in Philadelphia

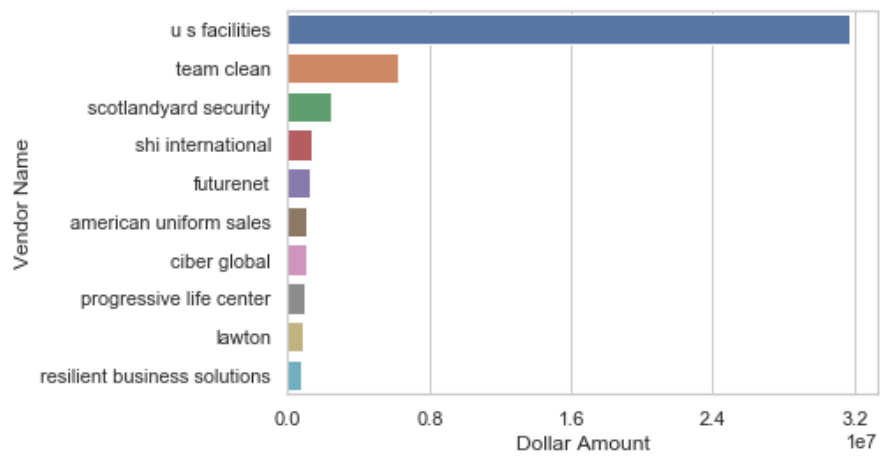


Trends around In-State vs Out-of-State / In-City vs Out-of-City

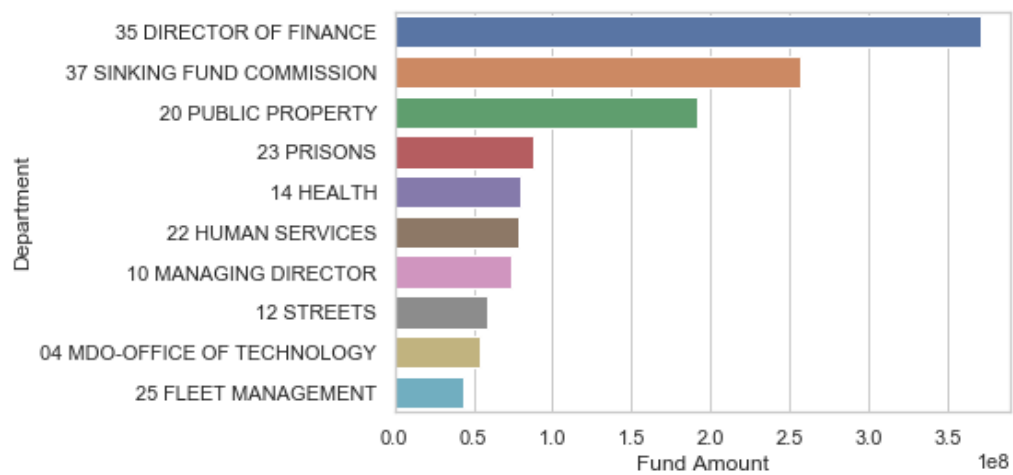


Registry + General Funds

Top 10 Vendors by payments

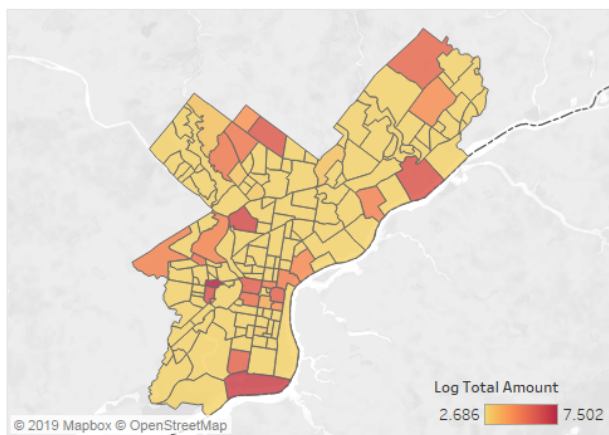


Top 10 Departments by payments

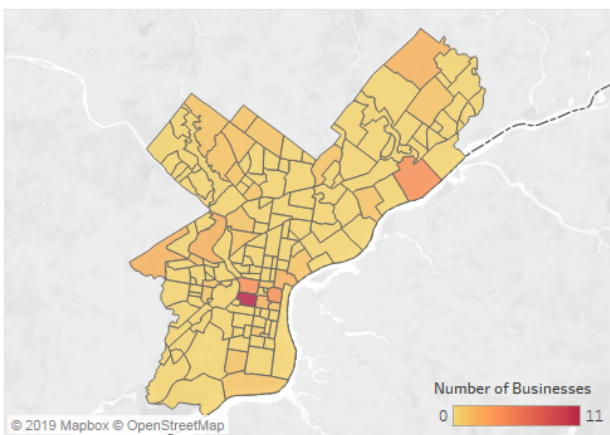


Top 10 Neighborhoods by payments and number of businesses

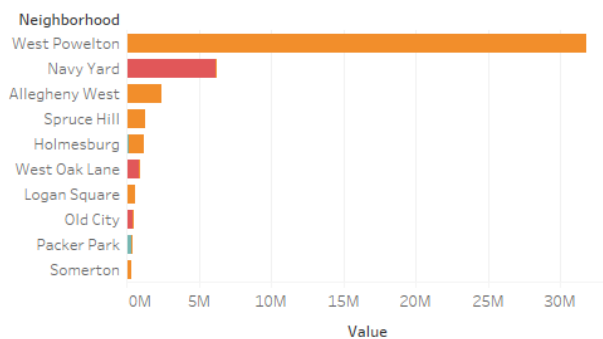
Dollar Amounts by Neighborhoods



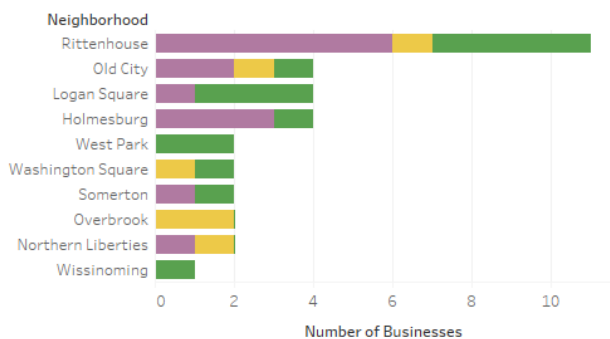
Number of Businesses by Neighborhoods



Top 10 Neighborhoods by Dollar Amounts



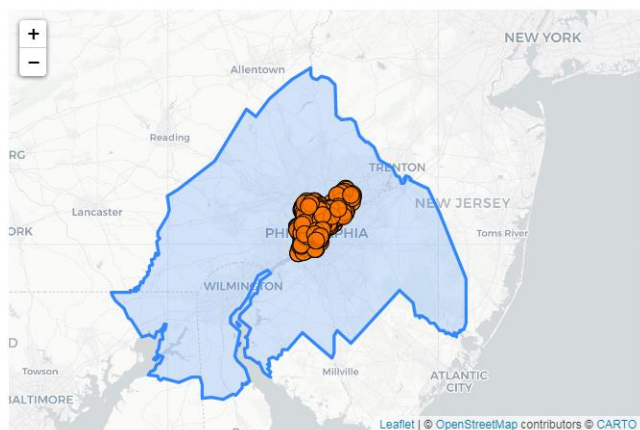
Top 10 Neighborhoods by Number of Businesses



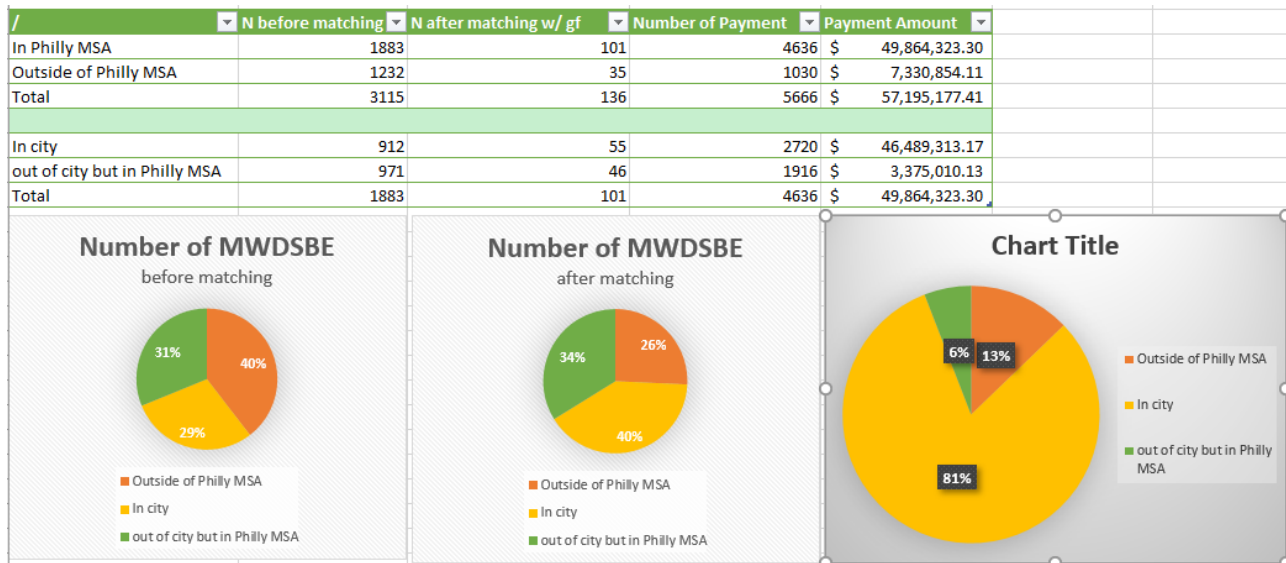
Measure Names
WBE Amount MWBE Amount MBE Amount

Certification Type
Number of WBE Number of MWBE Number of MBE

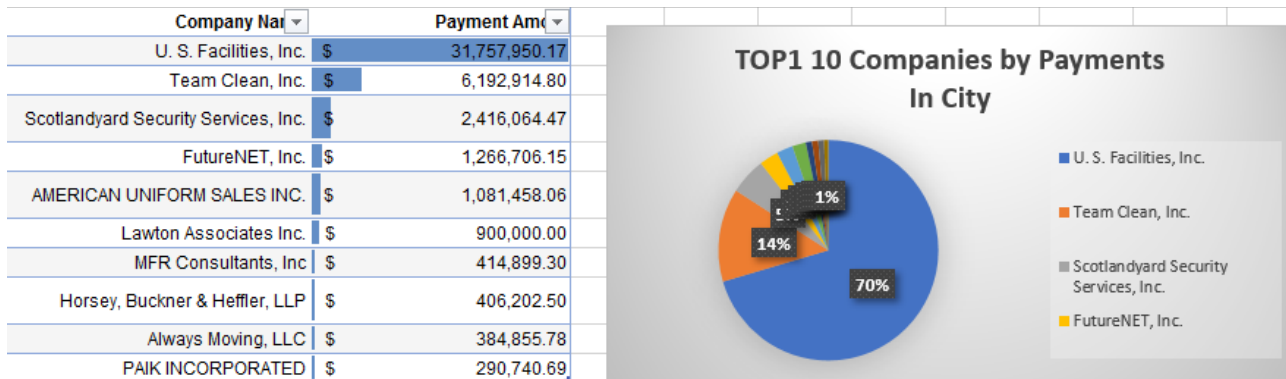
Philadelphia Metropolitan Statistical Areas (MSA)



Analysis of business locations by Number of businesses and Payments



Top 10 In-City Businesses by Payments



Analysis of Certification Types of different locations

In City

Certification Type	N
MBE	22
MWBE	15
WBE	18
Certification Type	Payment Amount
MBE	\$ 37,794,402.00
MWBE	\$ 7,886,693.81
WBE	\$ 808,217.36

Certification Types by Number of Company In city



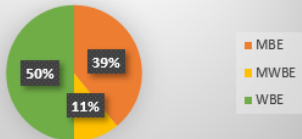
Certification Types by Payments In City



Outside City in MSA

Certification Type	N
MBE	18
MWBE	5
WBE	23
Certification Type	Payment Amount
MBE	1583153.95
MWBE	273566.19
WBE	1518289.99

Certification Type by Number of Company outside City/in MSA



Certification Type by Payments outside City/in MSA

