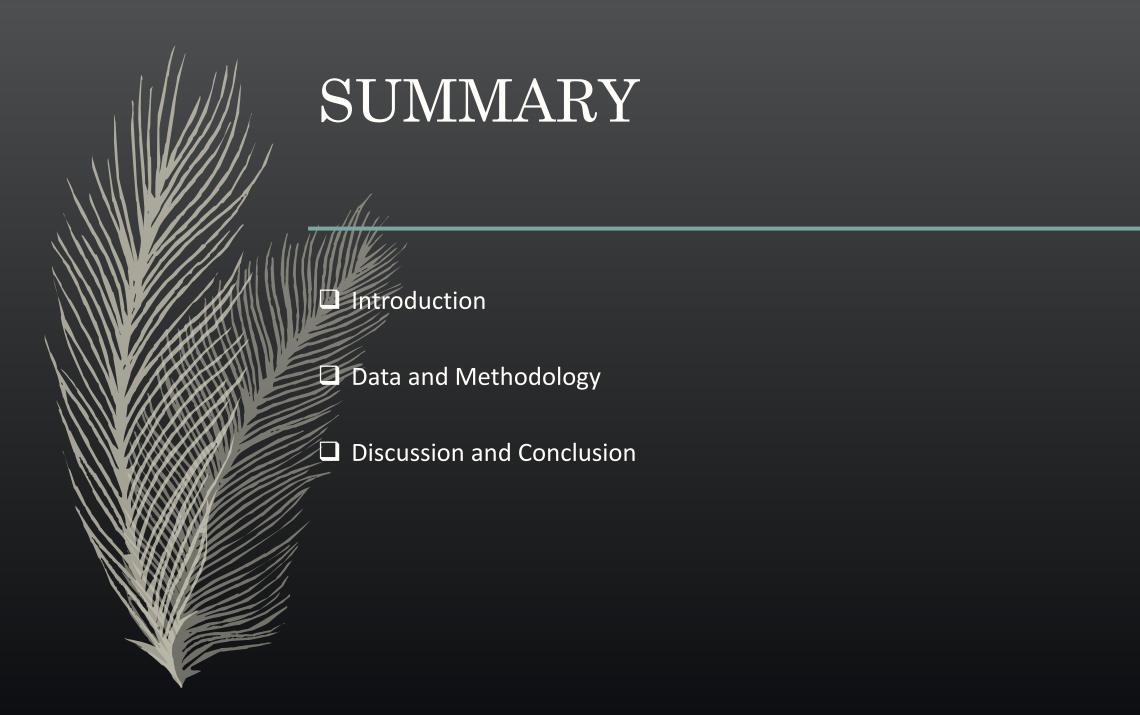


# Explore Denver Neighborhoods for Rental Property Investments

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## Introduction

## Project Goal

Analyze and compare Denver neighborhoods to identify target locations for rental property investments.

### Denver Market Highlights

- Over 700,000 population (2018 est.), or 4,520 per mi<sup>2</sup>.
- Ranked 18<sup>th</sup> out of the 172 combined statistical areas (CSA) in population.
- Ranked 14<sup>th</sup> among all CSA in population growth since 2010.
- The 3<sup>rd</sup> best place to live in U.S by the U.S News and World Report.
- Median Home Price of Denver Aurora Lakewood MSA was 80% above recession, top 1 price growth among all MSA (July 2019 by Attom Data Solutions).



# Data and Methodology

### Step 1: Analyze Neighborhood Demographics

- Key Metrics: Median Household Income; Percent Poverty; Percent Less Than High School Diploma
  - Thresholds: Above Medium
  - Results: 28 neighborhoods meet all three requirements.
    - Wellshire, Rosedale, Cheesman Park, Hilltop, Montclair, Hale, South Park Hill, Virginia
      Village, Auraria, Platte Park, Southmoor Park, Hampden South, Cory Merrill, Belcaro,
      Washington Park, Washing Park West, Cherry Creek, Country Club, Congress Park, City Park,
      Civic Center, Stapleton, Lowry Field, West Highland, Berkeley, Regis, Marston, and Indian
      Creek



## Step 2: Analyze Neighborhood Rental Economics

- Key Metrics: Rent Value Ratio; Vacancy
- Thresholds: Above Medium
- Results: 21 neighborhoods meet all three requirements.
  - Chaffee Park, Athmar Park, Northeast Park Hill, University Hills, Harvey Park, Mar Lee,
     Westwood, College View South Platte, Overland, Ruby Hill, Bear Valley, Harvey Park South,
     Hampden South, Cory Merrill, Stapleton, Montebello, Regis, Skyland, Barnum, Gateway –
     Green Valley Ranch, Indian Creek



Five (5) neighborhoods passed both demographic (Step 1) and the rental economics (Step 2) thresholds: Hampden South, Cory – Merrill, Stapleton, Regis, and Indian Creek.

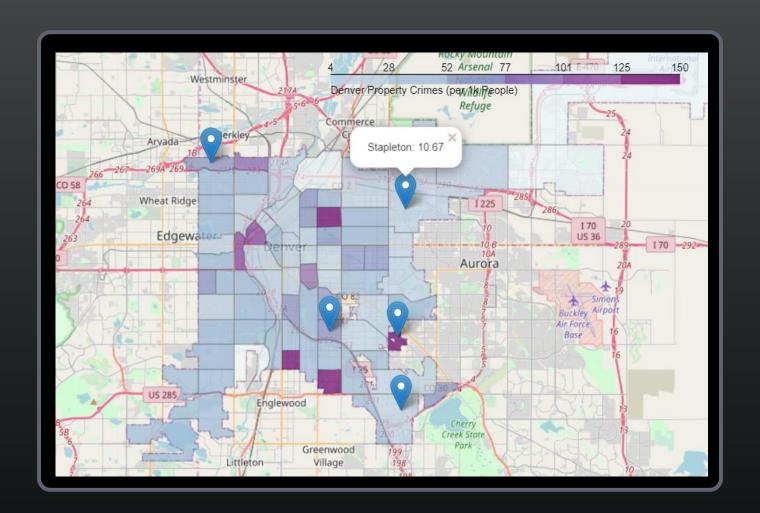
Below is a summary of these five neighborhoods:

	RENT_VALUE_RATIO	VACANCY	MED_HH_INCOME	PCT_POVERTY	PCT_LESS_THAN_HS_DIPLOMA
NBHD					
Hampden South	4.129653	6.421894	67354.67	5.10	3.780702
Cory - Merrill	4.536792	2.587601	94583.00	7.40	2.458034
Stapleton	4.232819	4.135664	117256.00	4.05	8.368132
Regis	4.298282	2.207235	56691.00	13.50	7.661437
Indian Creek	6.221172	4.489164	56940.00	7.40	4.026380

## Step 3: Analyze Crime Data

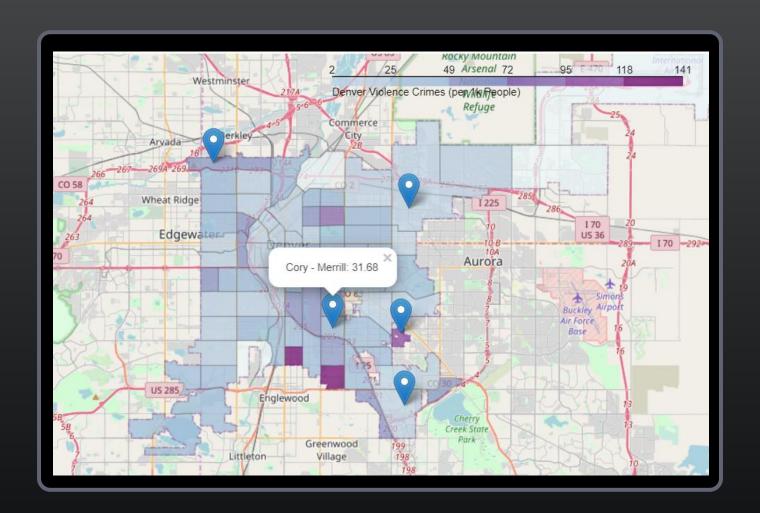
- Crime data were categorized into property crimes and violence crimes.
- Crime data normalized to avoid bias caused by size of the neighborhoods.

	Neighborhood	Lat	Long	Property Crimes per 1k People	Violence Crimes per 1k People
0	Hampden South	39.6434	-104.8940	25.542526	19.544413
1	Cory - Merrill	39.6893	-104.9501	72.298944	31.681560
2	Stapleton	39.7603	-104.8908	10.666062	7.488937
3	Regis	39.7874	-105.0439	53.105737	61.403509
4	Indian Creek	39.6858	-104.8965	148.348519	106.492027



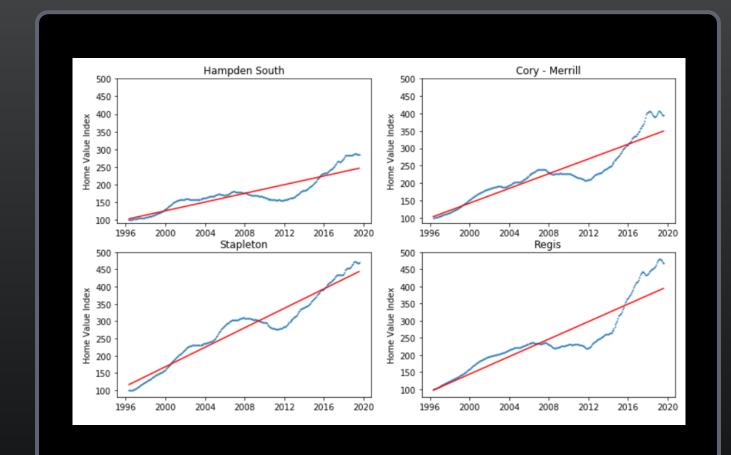
## Step 3: Analyze Crime Data (cont.)

- Property Crime Choropleth Map
- Four (4) neighborhoods show crime counts lower than average: Hampden South; Cory – Merrill; Stapleton; Regis
- Indian Creek registered above average crime counts.



## Step 3: Analyze Crime Data (cont.)

- Violence Crime Choropleth Map
- Four (4) neighborhoods show crime counts lower than average: Hampden South; Cory – Merrill; Stapleton; Regis
- Indian Creek registered above average crime counts.



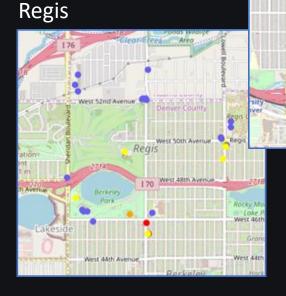
### Step 4: Analyze Home Value Growth

- Data: Median Home Value from 4/1996 to 7/2019 (provided by Zillow)
- Stapleton shows the highest growth: ranked the 16<sup>th</sup> among 77 neighborhoods.
- Regis and Cory Merrill were ranked the 19<sup>th</sup> and the 33<sup>rd</sup>.
- Hampden South shows the lowest growth: ranked the 63<sup>rd</sup> among the 77 neighborhoods.

# Step 5: Analyze Points of Interest around the Neighborhoods

- There are more popular venues in Cory –
   Merrill than in Stapleton or Regis.
- Along the Colorado Blvd (in Cory Merrill), there is a high density of popular venues.

#### Dogio



Red: over 50 'likes'
Orange: 30 - 49 'likes'
Yellow: 10 - 29 'likes'
Purple: under 10 'likes'

## Stapleton

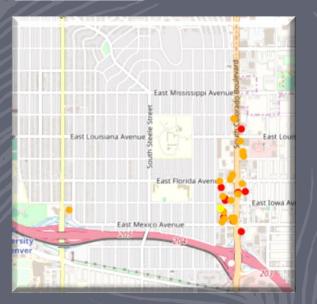


Cory - Merrill

### Regis



#### Cory - Merrill



### **Stapleton**



#### Ratings:

Red: 8 or above Orange: 7 or above Yellow: 6 or above Purple: under 6

Data and Methodology (cont.)

# <u>Step 5: Analyze Points of Interest around the Neighborhoods</u> (cont.)

- Most of the venues around Cory Merrill were rated 7 and above, in average higher than those in Stapleton and Regis.
- In Stapleton and Regis, venue ratings spread over a broader range.



## Conclusion and Discussion

#### Points of Consideration

- Average financial strength: HH Income, % Poverty, % Less than High School Diploma
- Rental property economics: Rent Value Ratio, Vacancy
- Security and Safety: Property and Violence Crime Count Per 1K People
- Growth momentum: Regression of Home Value Index from 4/1996 to 7/2019
- Access to popular venues: venue ratings and 'likes' count

### Neighborhoods of Choice

- Stapleton
- Cory Merrill
- Regis
- Other Concerns in Location Choice not Covered in This Study
  - Transportation
  - Infrastructure and facilities
  - Housing supply