

# Presentation on data of the Unhoused

Jonathan Maas

310-500-5841 | [jonmaas1978@gmail.com](mailto:jonmaas1978@gmail.com) |  
[www.theprototyper.design](http://www.theprototyper.design)

---

# About this document

---

- This document is an export of an Ad-Hoc Jon made for an Non-Profit in January of 2025.
- He downloaded a few datasets, made some joins – and explored what he found.
- Techniques employed
  - Analyzing raw and unknown data
  - Data cleansing
  - Joining disparate datasets
  - Dealing with horizontal, overlapping datasets
    - I found that having radio button selectors for this data, or comparing a section to the total, is the best way to explore columns that overlap

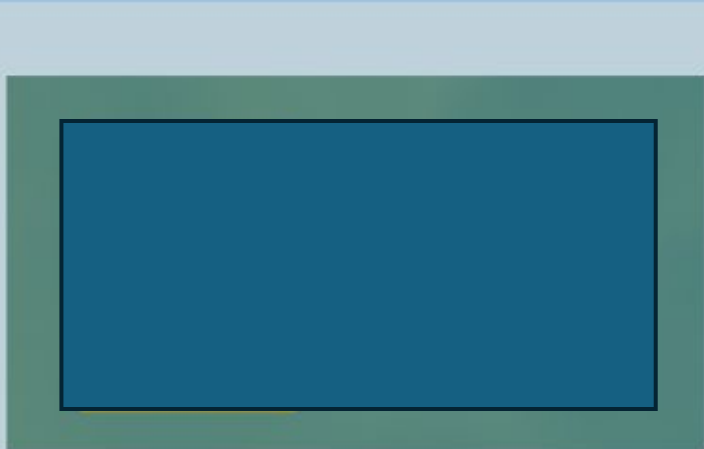
# The Ad-hoc

Screenshots of a report made in Power BI with  
joined datasets.

# Ad Hoc Data Exploration

This is an exploratory report Jonathan Maas made for [REDACTED] to understand data on Homelessness in general, and to see if any insights can be gathered. This report was made quickly with multiple data sources, so please validate the findings before presenting externally.

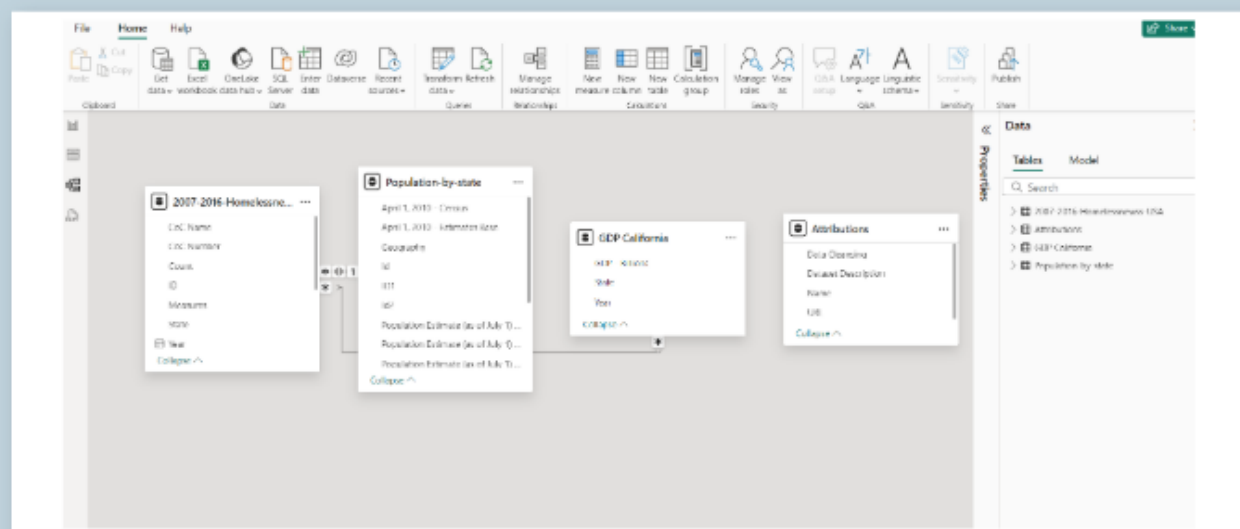
Jonathan Maas  
[www.theprototyper.design](http://www.theprototyper.design)



# Methodology

This is a quick exploration to get a feel for the discipline. I downloaded a few datasets, cleansed them quickly, made some Joins and then examined what I had!

One of the challenges I found with this data is that it is 'horizontal' and overlaps. I solved this by presenting the user with radio buttons so they can either select one at a time, or at the very least compare one subset to total



## Main Dimensions

The primary dataset split unhooused by categories, and these categories overlap

### Dimensions

- Children of Parenting Youth
- Chronically Homeless
- Chronically Homeless Individuals
- Chronically Homeless People in Families
- Homeless Individuals
- Homeless People in Families
- Homeless Unaccompanied Children (Under 18)
- Homeless Unaccompanied Young Adults (Age 18-24)
- Homeless Unaccompanied Youth (Under 25)

## Attribution and Methodology

Name	Dataset Description	Data Cleansing
<a href="#">2007-2016-Homelessnews-USA</a>	Data on the Unhoused from 2007-2016 from Homeless News and Kaggle	Some curation, some joins by State
<a href="#">California GDP</a>	GDP of California - 2000 - 2023	Copying from Graph, Join by State
<a href="#">Colombia Financial Data 2000 - 2024</a>	Financial Data on Colombia	
<a href="#">New York GDP</a>	GDP of New York - 2000 - 2024	Copying from Graph, Join by State

# Total Unhoused By State and Year

The main dataset is 'additive', with a lot of overlapping, so for this page I set it to Total. Feel free to filter by these Slicers.

State

All

CoC Name

All

Year

All

## Count of Unhoused by State and Year

State	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
AK	1,642	1,646	1,992	1,863	2,128	1,913	1,946	1,784	1,956	1,940
AL	5,452	5,387	6,080	6,046	5,558	5,209	4,689	4,561	3,970	4,111
AR	3,836	3,255	2,852	2,762	3,424	4,214	3,812	2,936	2,560	2,463
AZ	14,646	12,488	14,721	13,711	10,504	11,302	10,562	10,495	9,896	9,707
CA	138,986	136,531	123,678	123,480	125,128	120,098	118,552	113,952	115,738	118,142
CO	14,225	14,747	15,268	15,482	15,116	16,768	9,754	10,028	9,953	10,550
CT	4,482	4,627	4,605	4,316	4,456	4,209	4,448	4,450	4,047	3,902
DC	5,320	6,044	6,228	6,539	6,546	6,954	6,865	7,748	7,298	8,350
DE	1,064	1,033	1,120	1,082	1,035	1,008	946	801	853	1,070
<b>Total</b>	<b>647,258</b>	<b>639,784</b>	<b>630,227</b>	<b>637,077</b>	<b>623,788</b>	<b>621,553</b>	<b>590,364</b>	<b>576,450</b>	<b>564,708</b>	<b>549,928</b>

## Count of Unhoused by Year



# Total Unhoused By Category, State and Year

Search for a single Category to drill down on metrics for that Category. Default is Total.

**Unhoused Category**

Total Homeless

**State**

All

**CoC Name**

All

**Year**

All

## Count of Unhoused by State, CoC and Year

State	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
AK	1,642	1,646	1,992	1,863	2,128	1,913	1,946	1,784	1,956	1,940
AL	5,452	5,387	6,080	6,046	5,558	5,209	4,689	4,561	3,970	4,111
AR	3,836	3,255	2,852	2,762	3,424	4,214	3,812	2,936	2,560	2,463
AZ	14,646	12,488	14,721	13,711	10,504	11,302	10,562	10,495	9,896	9,707
CA	138,986	136,531	123,678	123,480	125,128	120,098	118,552	113,952	115,738	118,142
CO	14,225	14,747	15,268	15,482	15,116	16,768	9,754	10,028	9,953	10,550
CT	4,482	4,627	4,605	4,316	4,456	4,209	4,448	4,450	4,047	3,902
DC	5,320	6,044	6,228	6,539	6,546	6,954	6,865	7,748	7,298	8,350
DE	1,061	933	1,130	982	1,035	1,008	946	901	953	1,070
FL	48,069	50,158	55,599	57,551	56,687	55,170	47,862	41,542	35,900	33,559
GA	19,639	19,095	20,360	19,836	20,975	20,516	16,971	16,521	13,790	12,909
GU	725	725	1,088	1,635	1,745	1,301	1,271	1,356	1,280	1,085
HI	6,070	6,061	5,782	5,834	6,188	6,246	6,335	6,918	7,620	7,921
IA	2,734	3,346	3,380	3,014	3,134	2,928	3,084	3,122	3,081	3,064
ID	1,749	1,464	1,939	2,346	2,199	1,968	1,781	2,104	1,966	2,247
IL	15,487	14,724	14,055	14,395	14,009	14,144	13,425	13,107	13,177	11,590
IN	7,358	7,395	6,984	6,452	6,196	6,259	6,096	5,971	5,863	5,798
KS	1,924	1,572	1,670	1,809	2,308	2,458	2,331	2,521	2,348	2,008
KY	8,061	8,137	5,999	6,623	6,034	5,230	5,245	5,089	4,538	4,237
LA	5,494	5,481	12,504	12,482	9,291	7,772	5,226	4,606	4,081	3,994
<b>Total</b>	<b>647,258</b>	<b>639,784</b>	<b>630,227</b>	<b>637,077</b>	<b>623,788</b>	<b>621,553</b>	<b>590,364</b>	<b>576,450</b>	<b>564,708</b>	<b>549,928</b>



# Exploration of Unhoused Metrics by Categorization

For best results, pick one City and Year at a time

**State**

AK

**CoC Name**

All

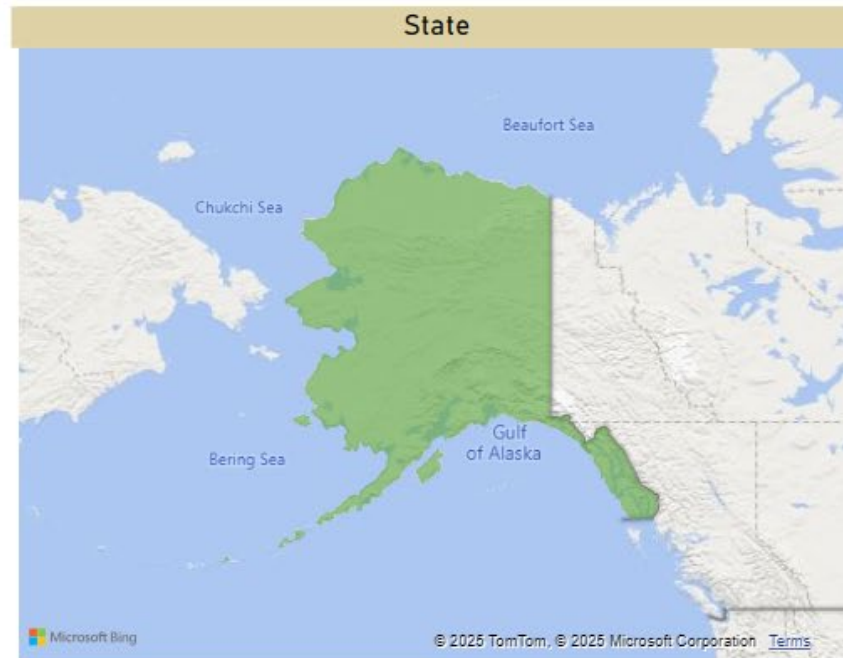
**Year**

2016

**Unhoused Category**

All

Top 5 Categories	
Excludes Total Homeless, Categories overlap	
<b>Homeless Individuals</b>	1,527
<b>Sheltered Homeless</b>	1,498
<b>Sheltered Homeless Individuals</b>	1,089
<b>Unsheltered Homeless</b>	442
<b>Unsheltered Homeless Individuals</b>	438



Total State Population	
2010 - 2016	
741,894	2016
737,709	2015
736,705	2014
736,879	2013
731,089	2012
722,713	2011
714,031	2010



# CA and NY - GDP vs Unhoused by Category

This page contains unhoused and economic data on CA and NY. Select one to get started.

Select CA / NY

CA	NY
----	----

CoC Name

All

Unhoused Category

Total Homeless

## GDP - Billions by Year

GDP by State Only - Data is independent of CoC and Unhoused Category



## Unhoused by Year



---

# And that is it!

---

Thank you for reading!

Jonathan Maas

3105005841

[jonmaas1978@gmail.com](mailto:jonmaas1978@gmail.com)

Portfolio – [www.theprototyper.design](http://www.theprototyper.design)

Data Science –

<https://www.theprototyper.design/data-science-samples>