



Missing Persons

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Cumulative NamUs Cases

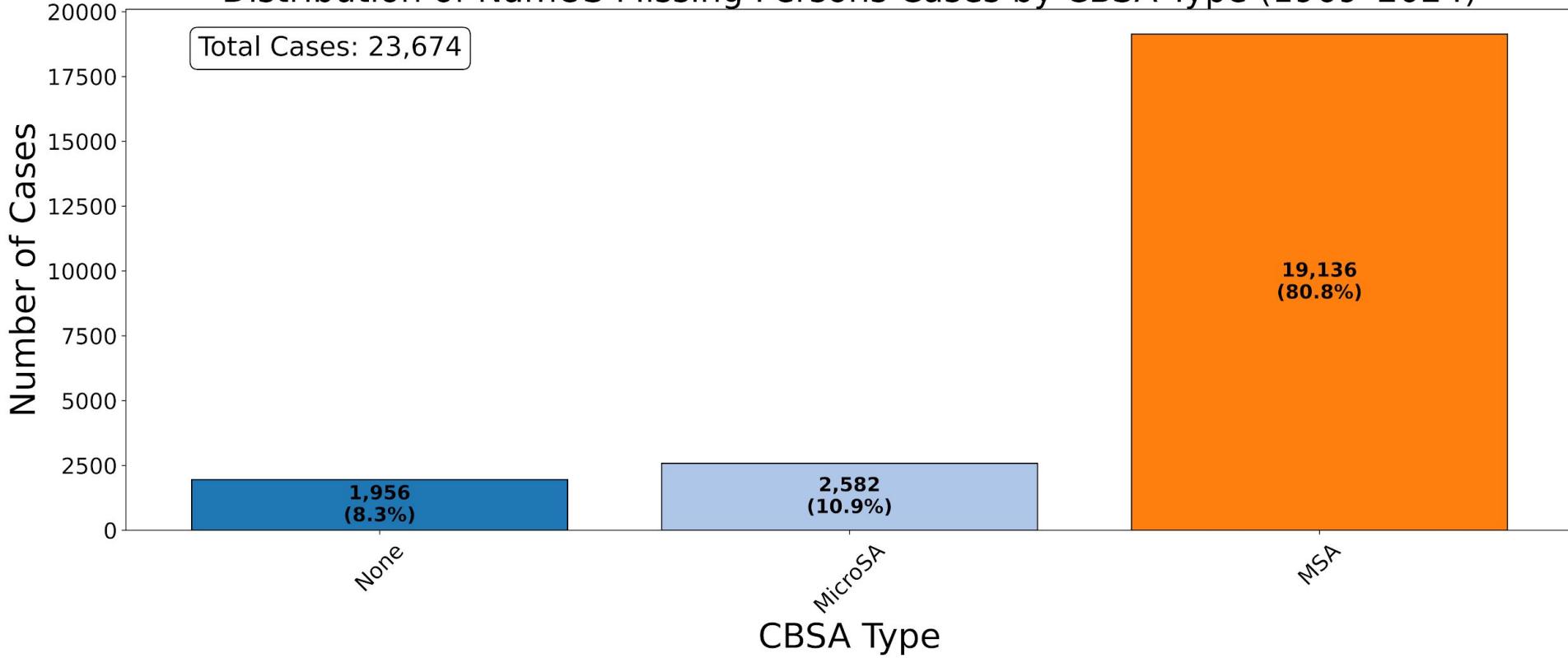
- Scaling of Cumulative Cases vs Population
- Choropleths
- Demographic Analysis of Cases
 - Population Pyramids
 - Sex Distribution
 - Race/Ethnicity Distribution

NamUs Missing Persons Cases Data Characteristics

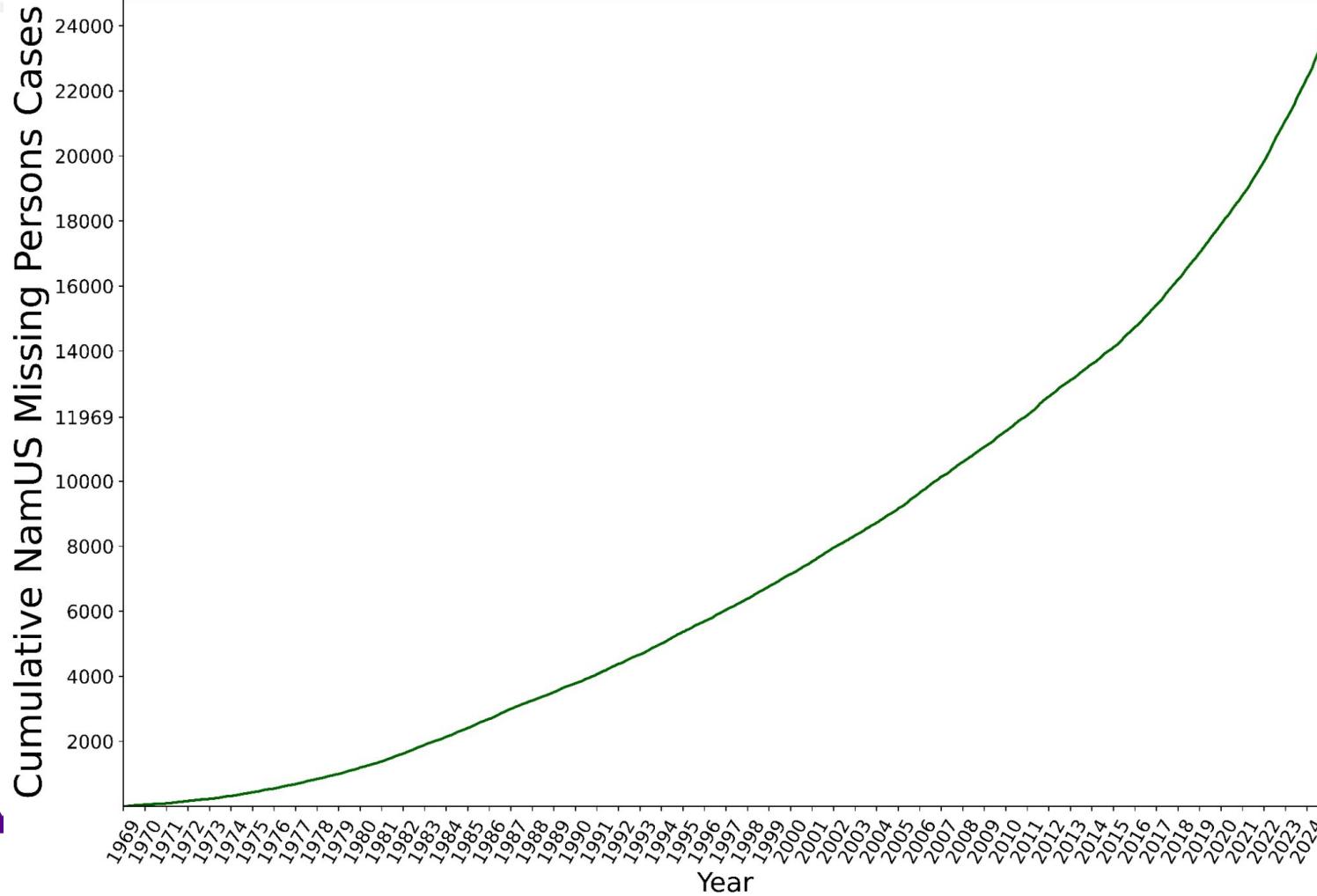
- We have **25,630** available records and use **16,370** records (from 2000-2024), within the decades:
 - 1900-1910: 1
 - 1910-1920: 2
 - 1920-1930: 6
 - 1930-1940: 8
 - 1940-1950: 30
 - 1950-1960: 86
 - 1960-1970: 268
 - 1970-1980: 1272
 - 1980-1990: 2961
 - 1990-2000: 3534
 - 2000-2010: 4465
 - 2010-2020: 6396
 - 2020-2024: 5899
 - 2025: 702
- The data missing per column is as follows:
 - CaseID: 0.00%
 - FirstName: 0.00%
 - MiddleName: 24.78%
 - LastName: 0.00%
 - Nicknames: 72.19%
 - CurrentMinAge: 0.00%
 - CurrentMaxAge: 0.00%
 - Sex: 0.00%
 - Ethnicity: 0.00%
 - HeightInches: 0.14%
 - WeightPounds: 0.19%
 - EyeColor: 2.41%
 - HairColor: 1.76%
 - DisappearanceDate: 0.00%
 - City: 0.42%
 - State: 0.00%
 - County: 0.31%
 - InvestigatingAgency: 0.01%

NamUs Cases [1969-2024]

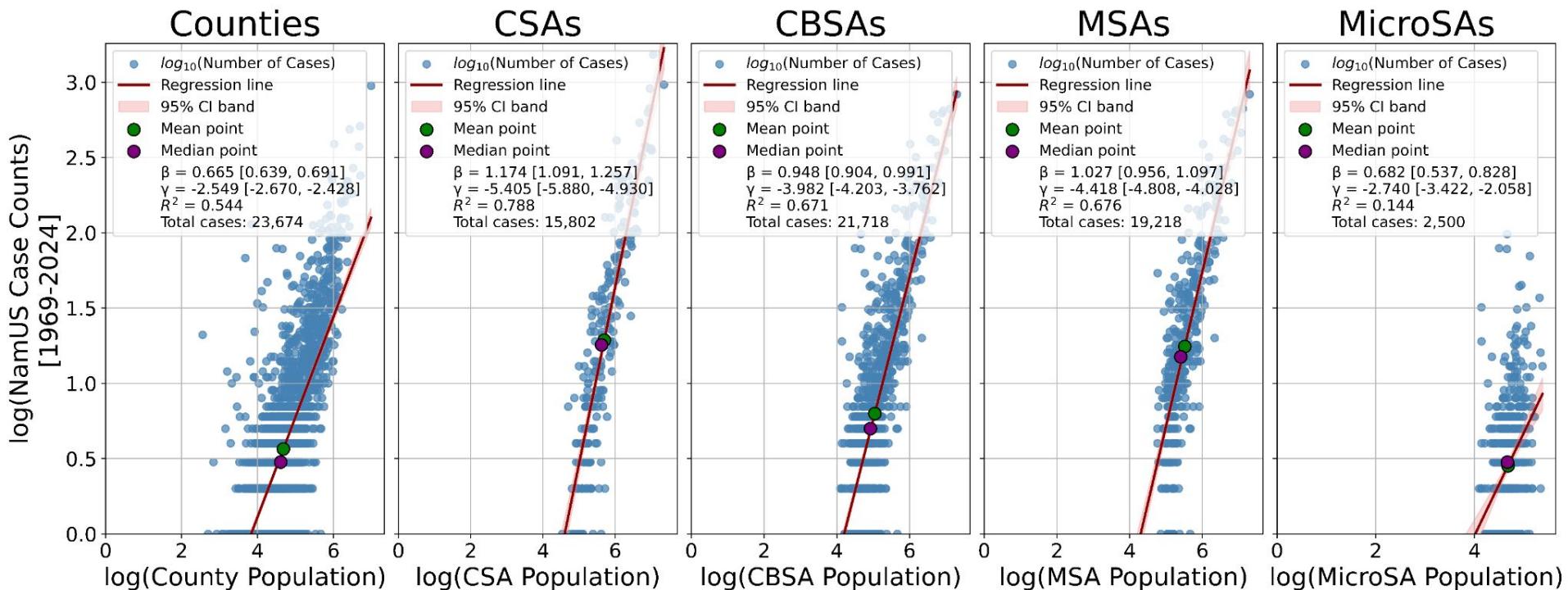
Distribution of NamUS Missing Persons Cases by CBSA Type (1969–2024)



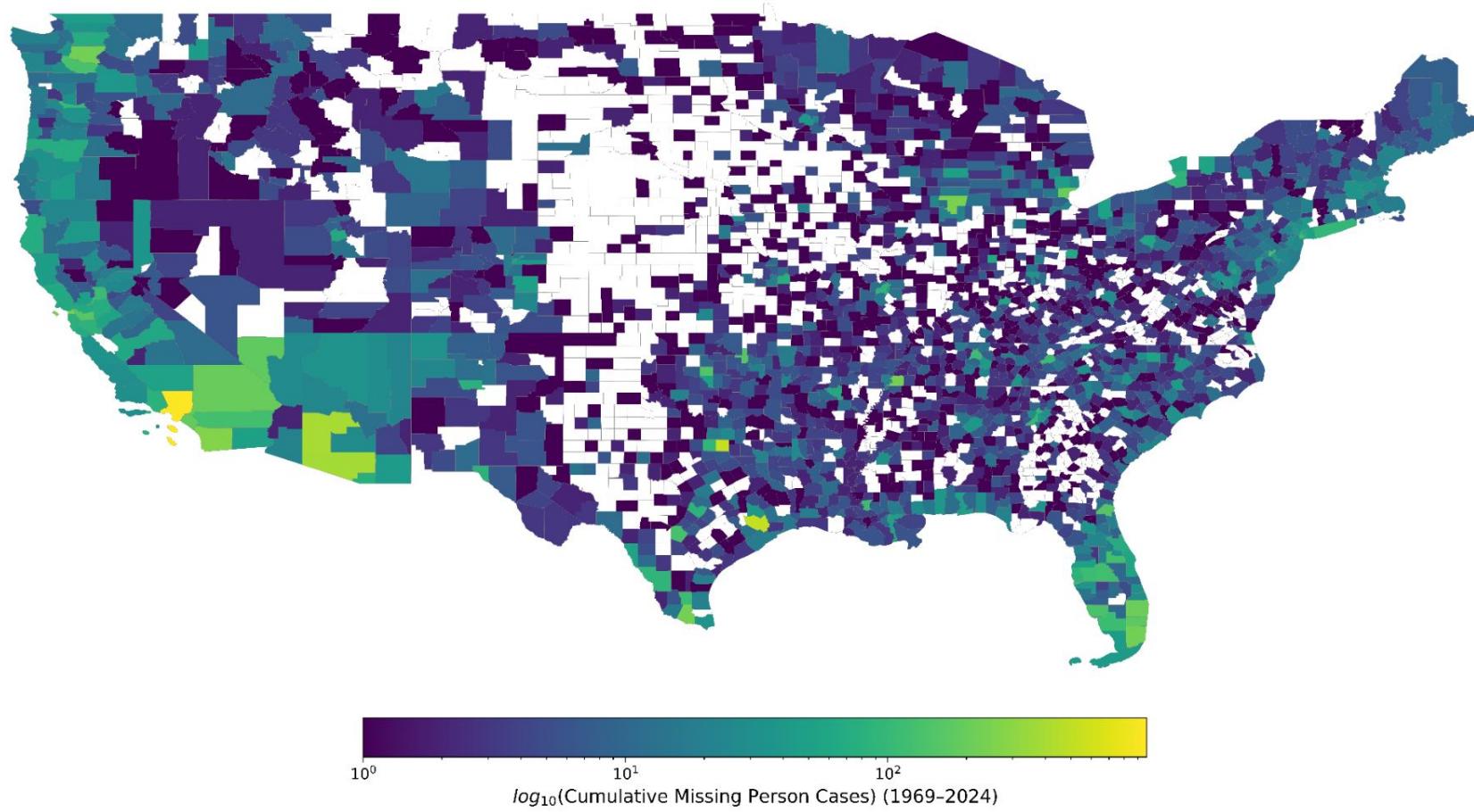
Cumulative NamUS Missing Persons Cases by Month Start (1969–2024)



Scaling Exponent (β) of NamUs Missing Persons Cases vs GEOID Population [1969–2024]

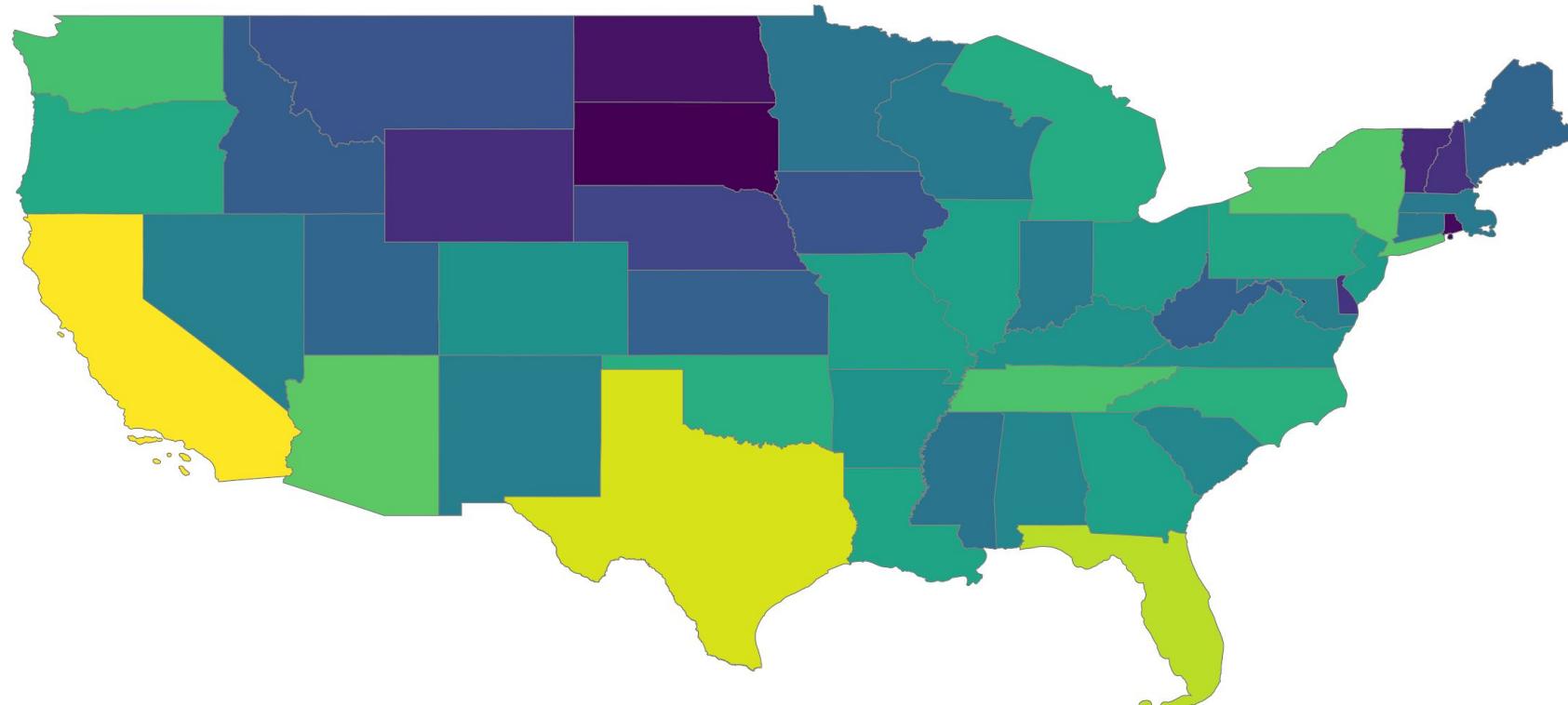


Cumulative NamUs Missing Person Cases by County (Continental U.S., 1969-2024)

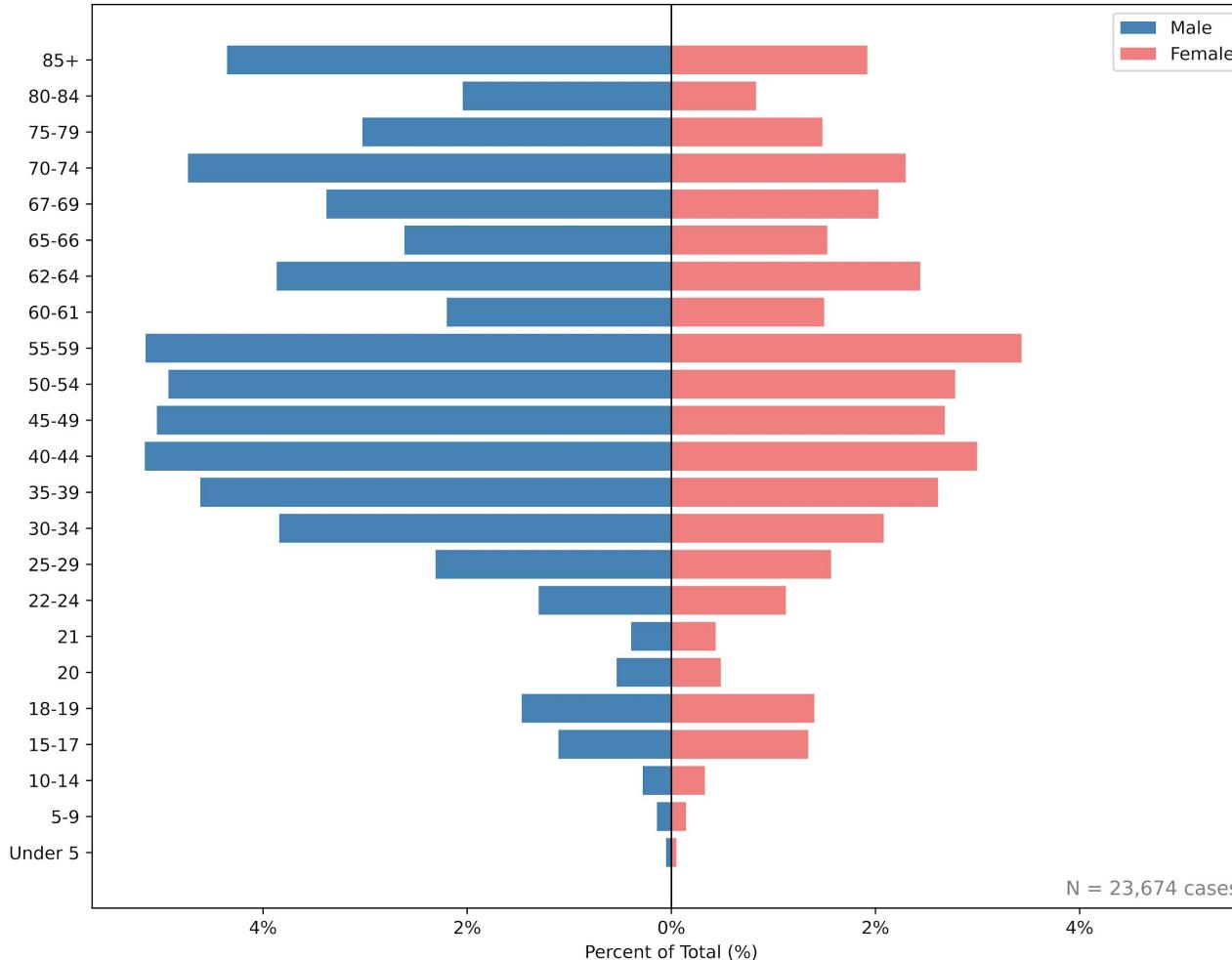


$\log_{10}(\text{Cumulative Missing Person Cases}) \text{ (1969-2024)}$

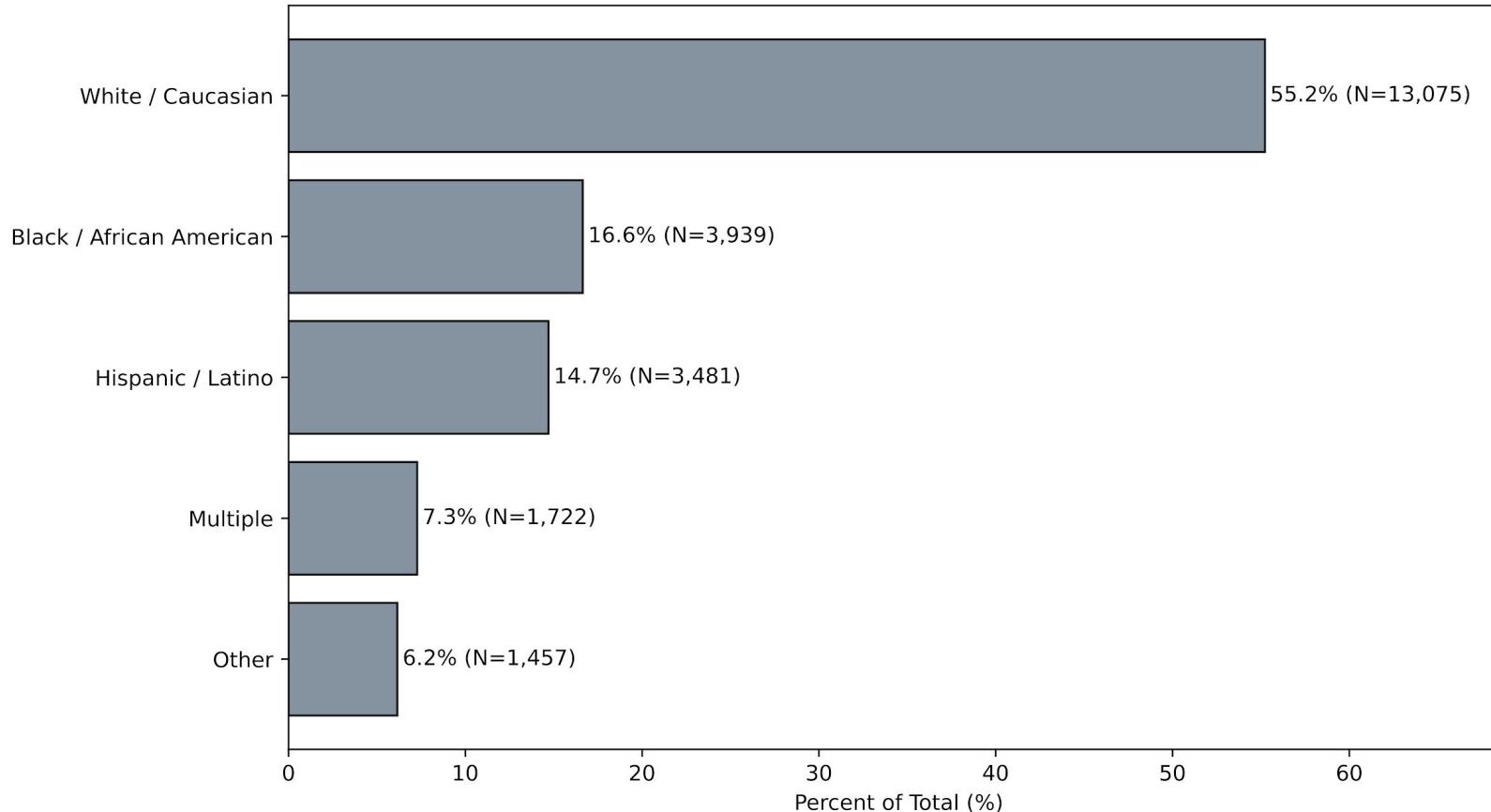
Cumulative NamUs Missing Person Cases by State (Continental U.S., 1969-2024)



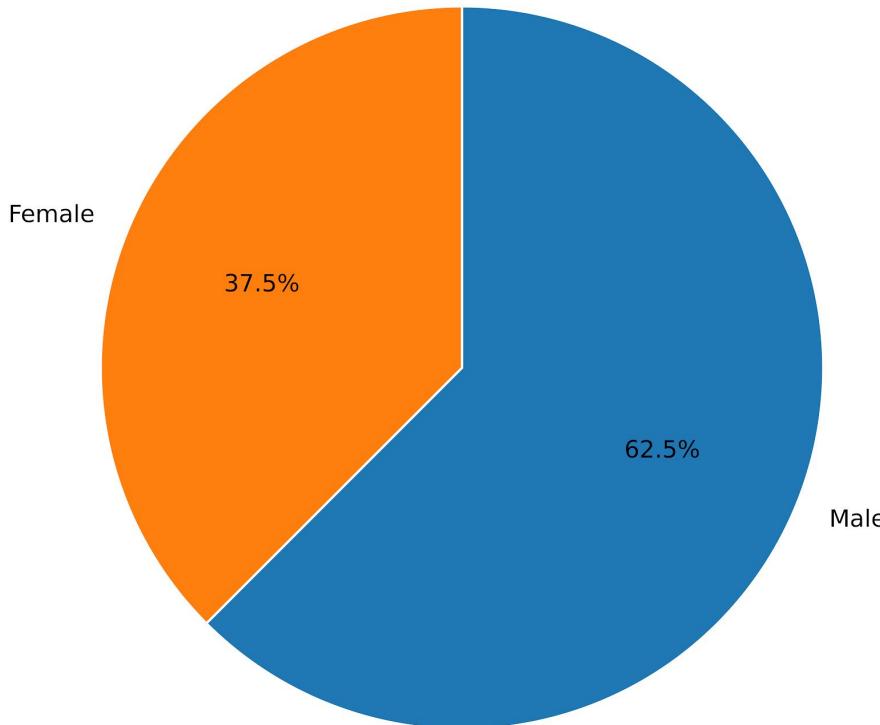
Age / Sex Distribution of Cumulative Missing Persons Cases [1969-2024]



Ethnicity Distribution of Cumulative NamUs Missing Persons[1969-2024] Cases (N = 23,674 cases)

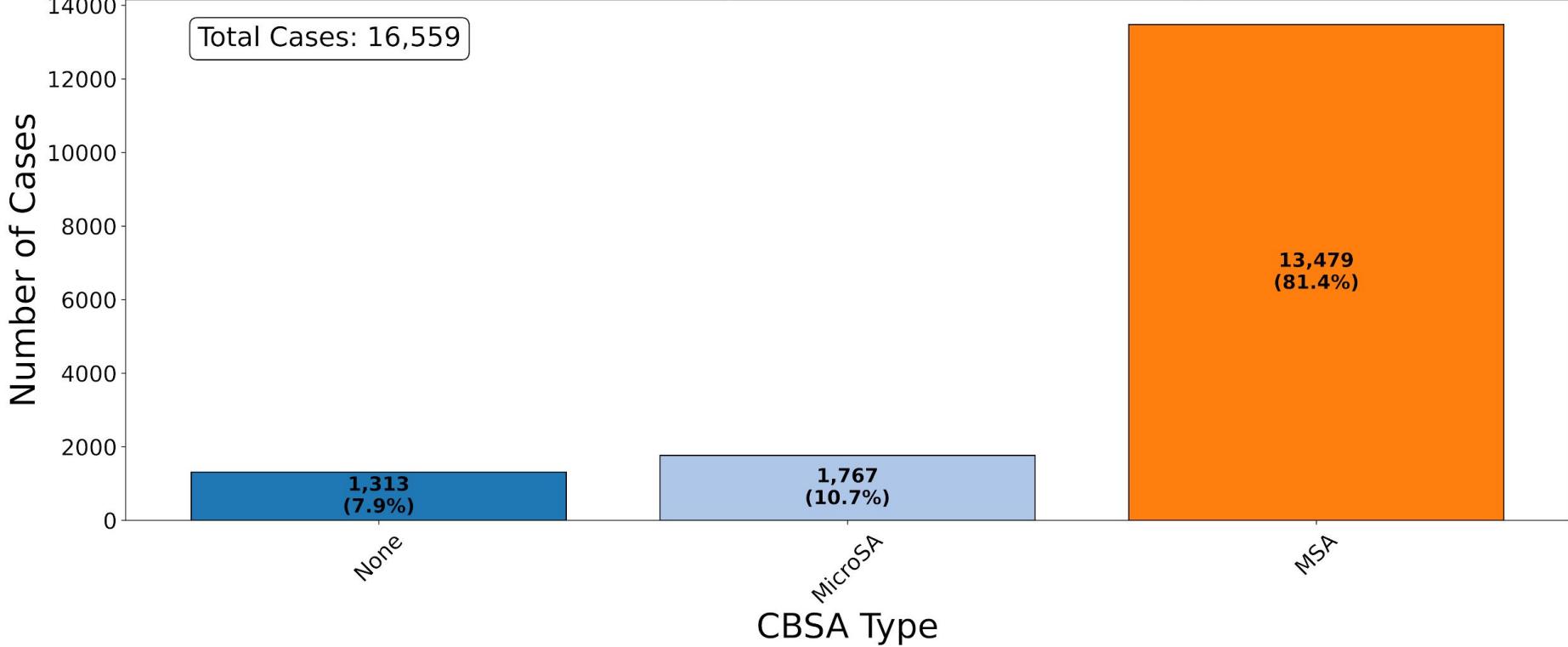


**Sex Distribution of Cumulative NamUs Missing Persons[1969-2024] Cases
(N = 23,674 cases)**

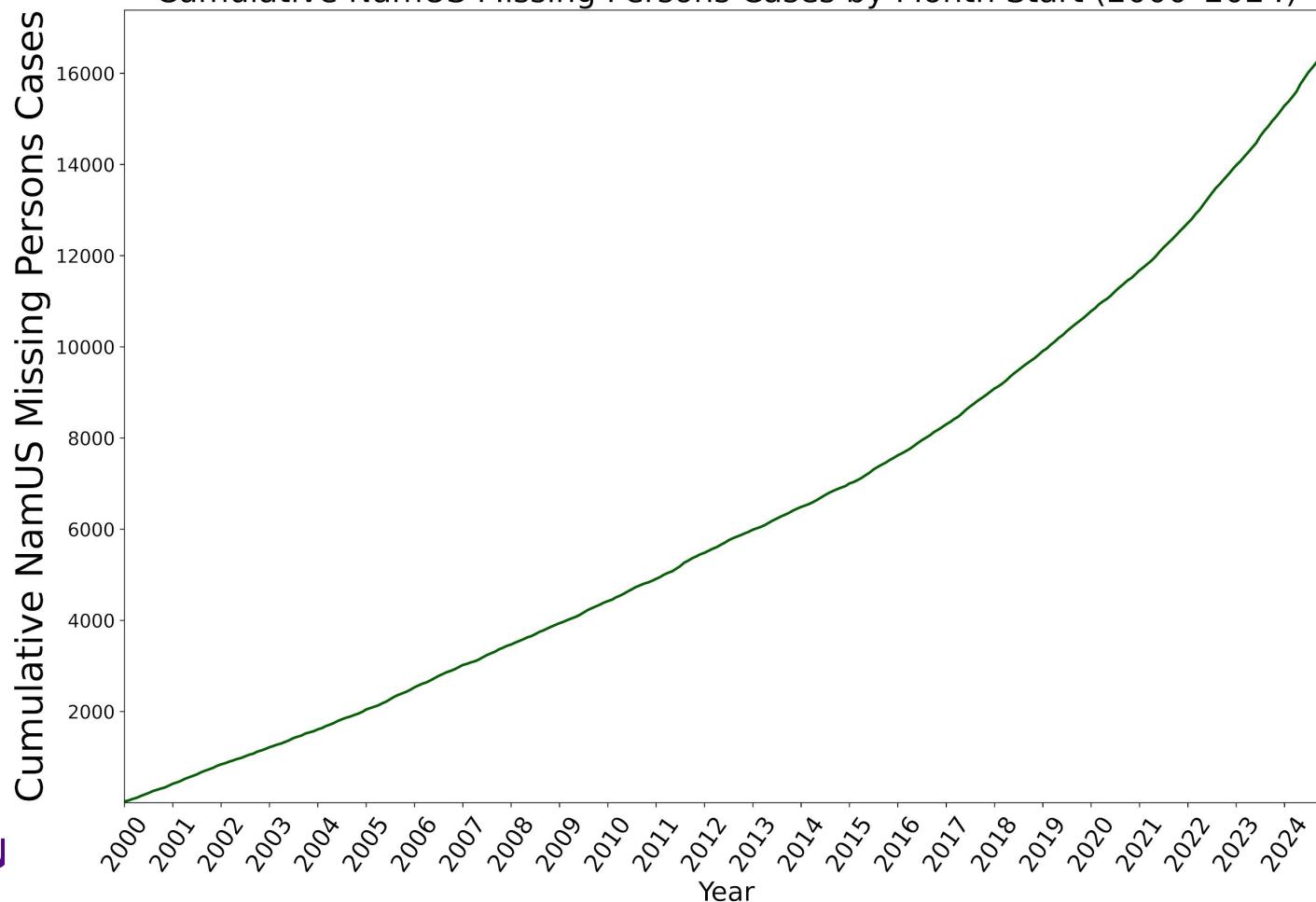


NamUs Cases [2000-2024]

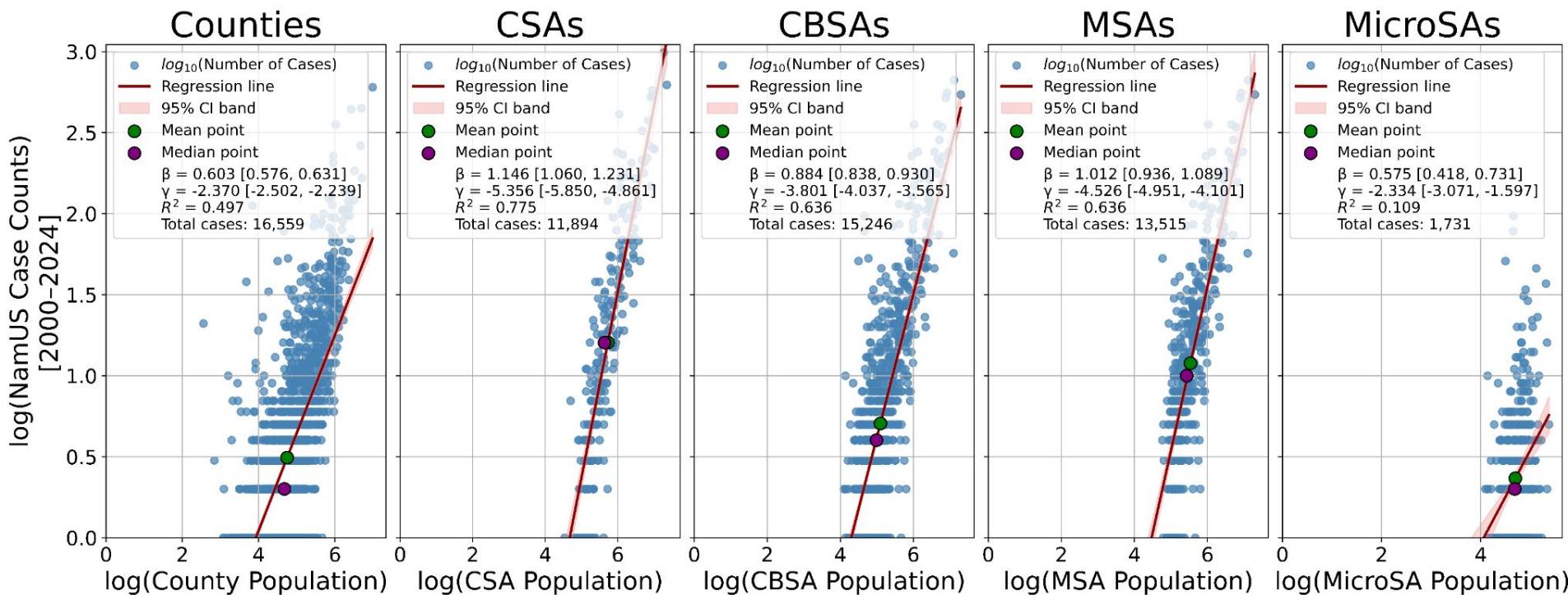
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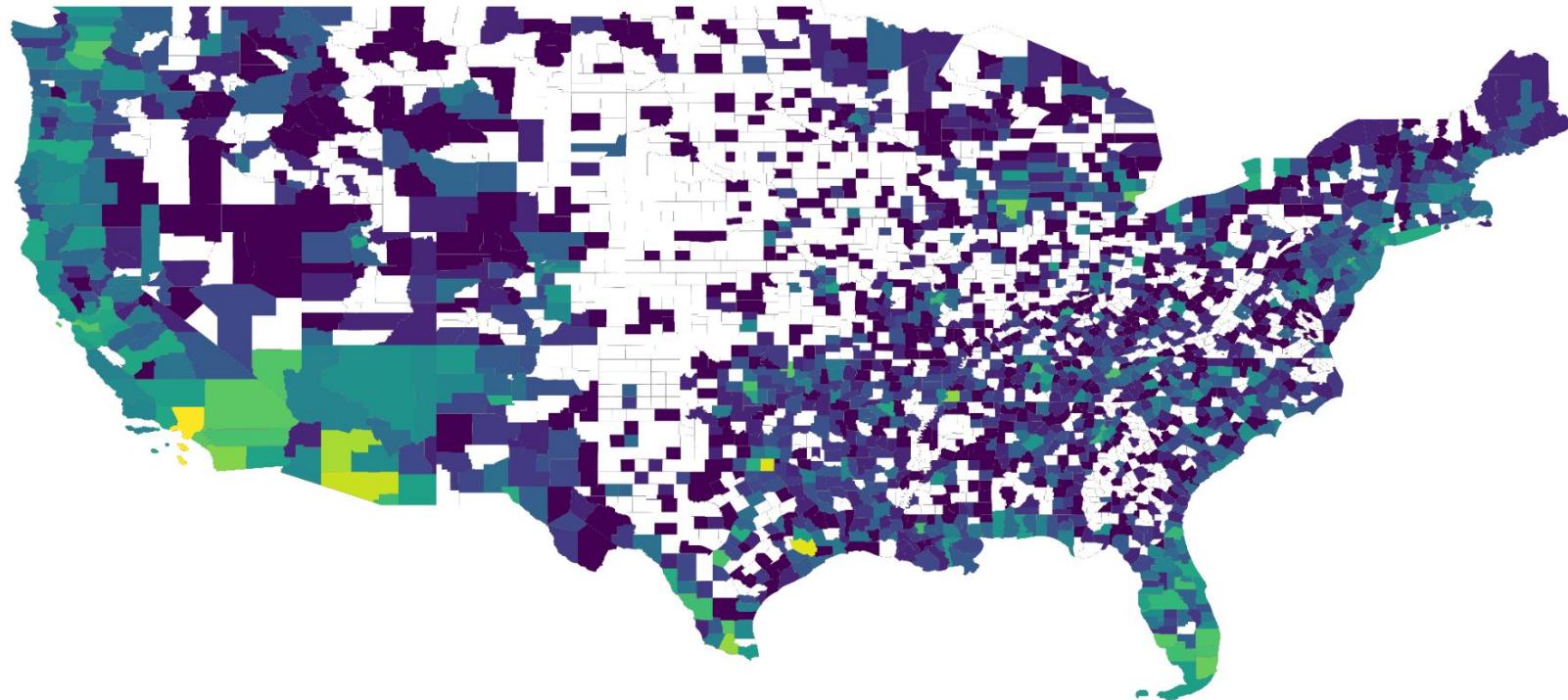
Cumulative NamUS Missing Persons Cases by Month Start (2000-2024)



Scaling Exponent (β) of NamUs Missing Persons Cases vs GEOID Population [2000–2024]



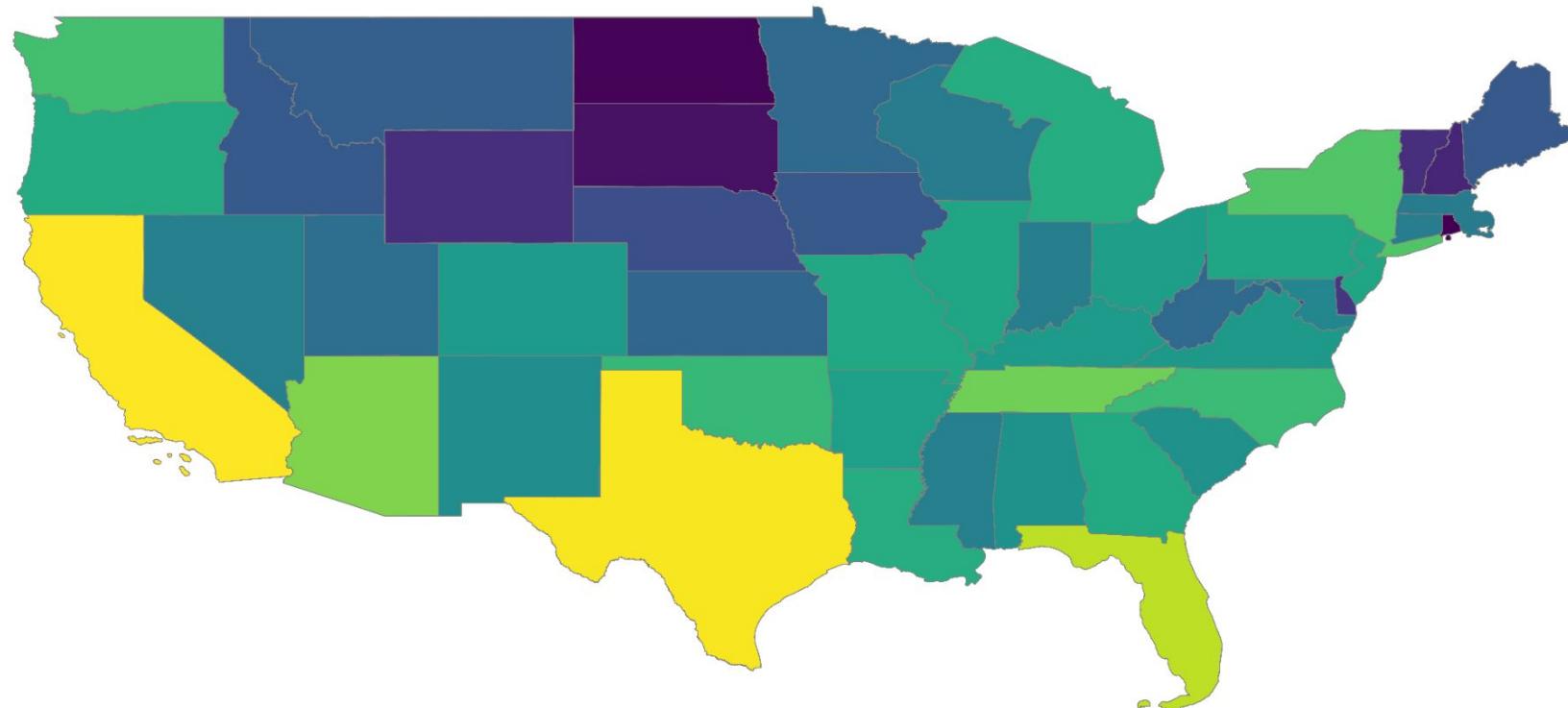
Cumulative NamUs Missing Person Cases by County (Continental U.S., 2000-2024)



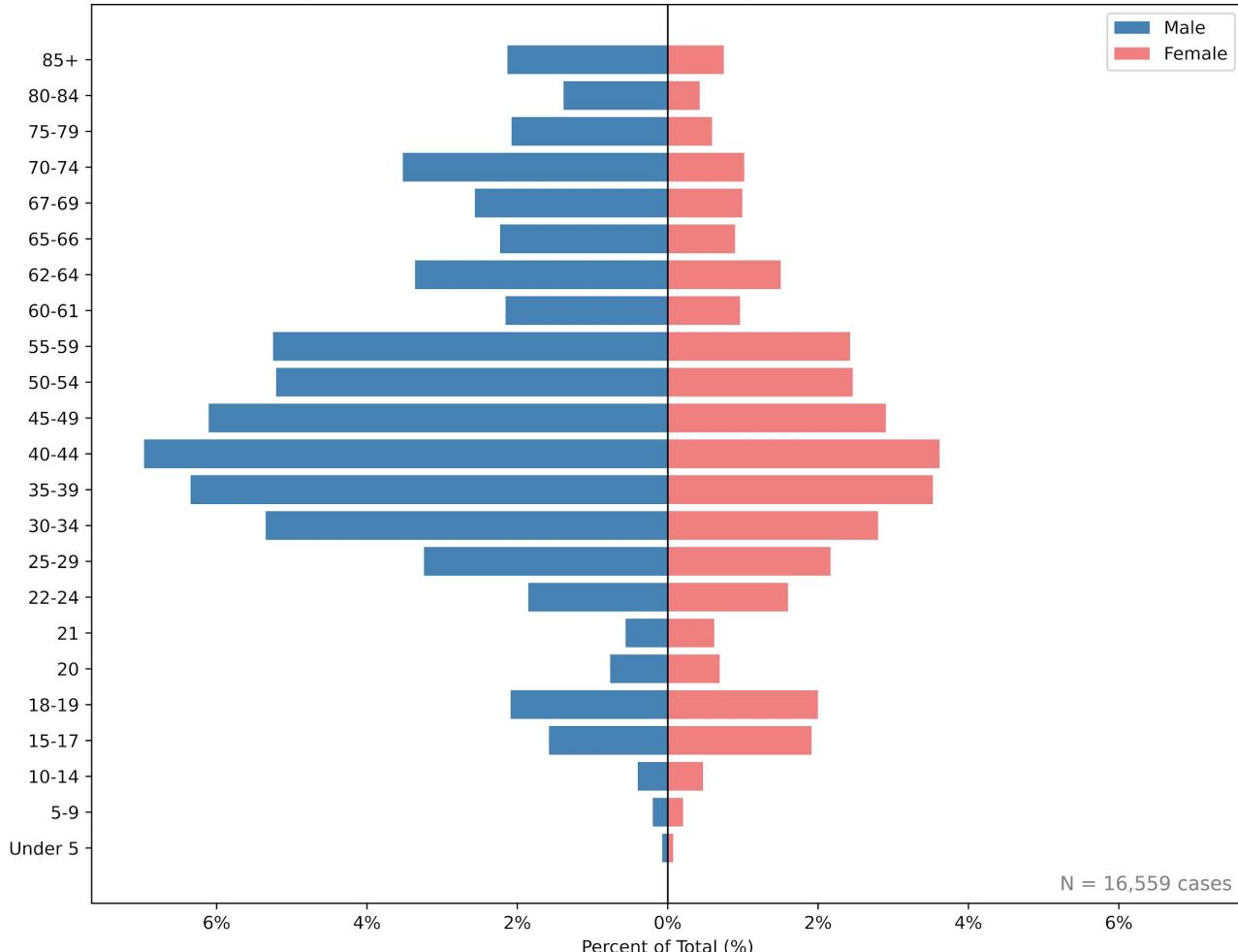
$\log_{10}(\text{Cumulative Missing Person Cases})$ (2000-2024)



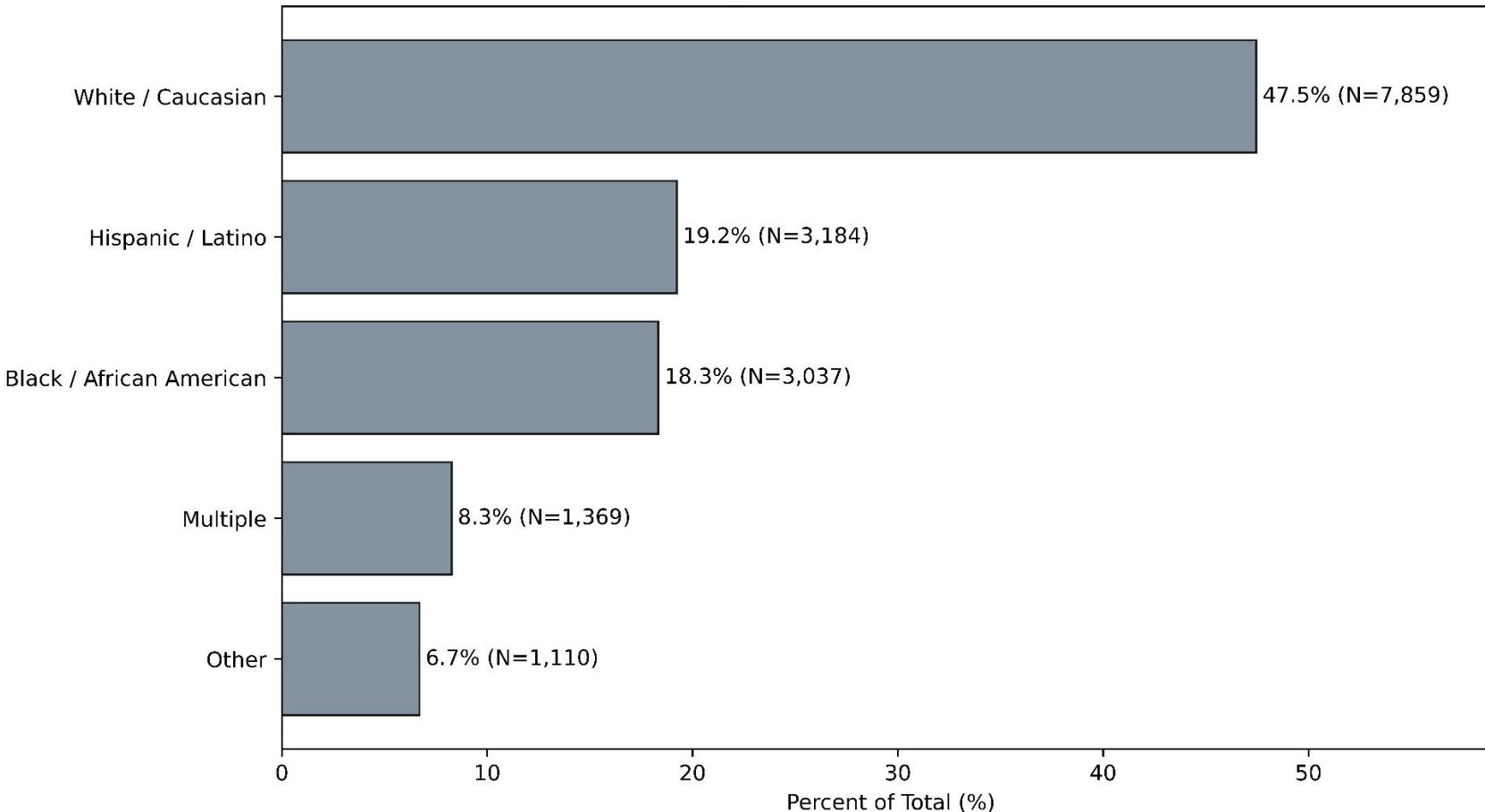
Cumulative NamUs Missing Person Cases by State (Continental U.S., 2000-2024)



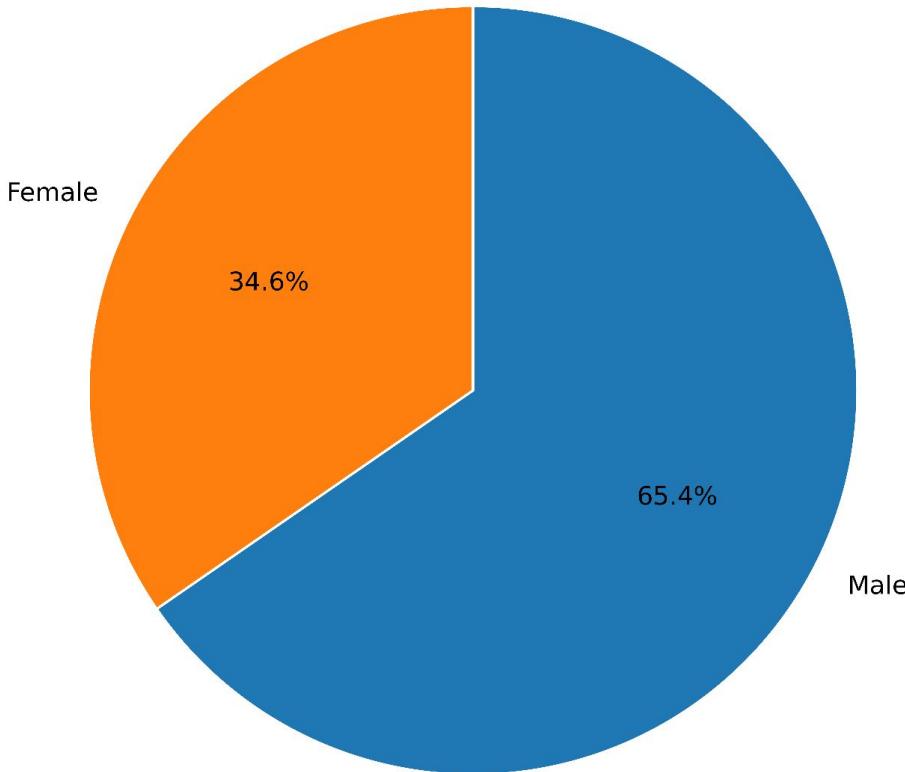
Age / Sex Distribution of Cumulative Missing Persons Cases [2000-2024]



Ethnicity Distribution of Cumulative NamUs Missing Persons [2000-2024] Cases (N = 16,559 cases)

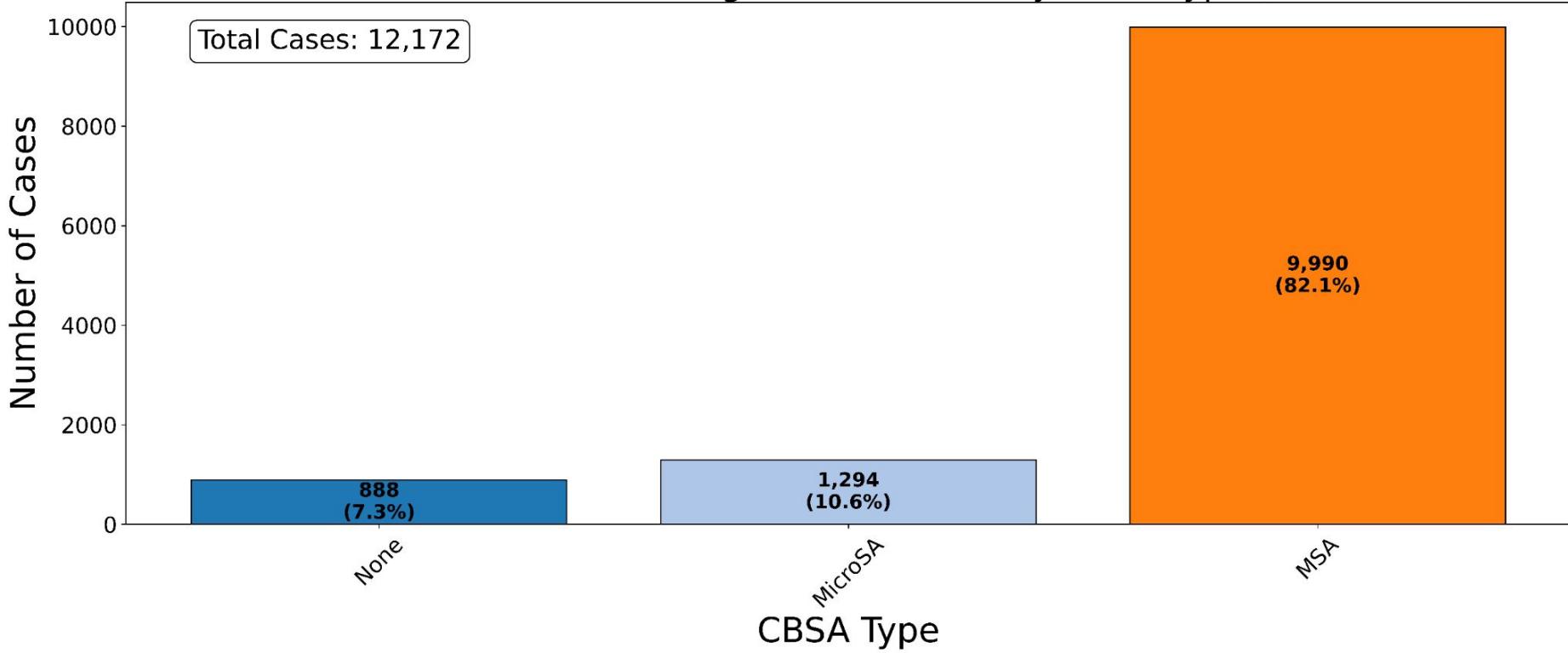


Sex Distribution of Cumulative NamUs Missing Persons [2000-2024] Cases (N = 16,559 cases)

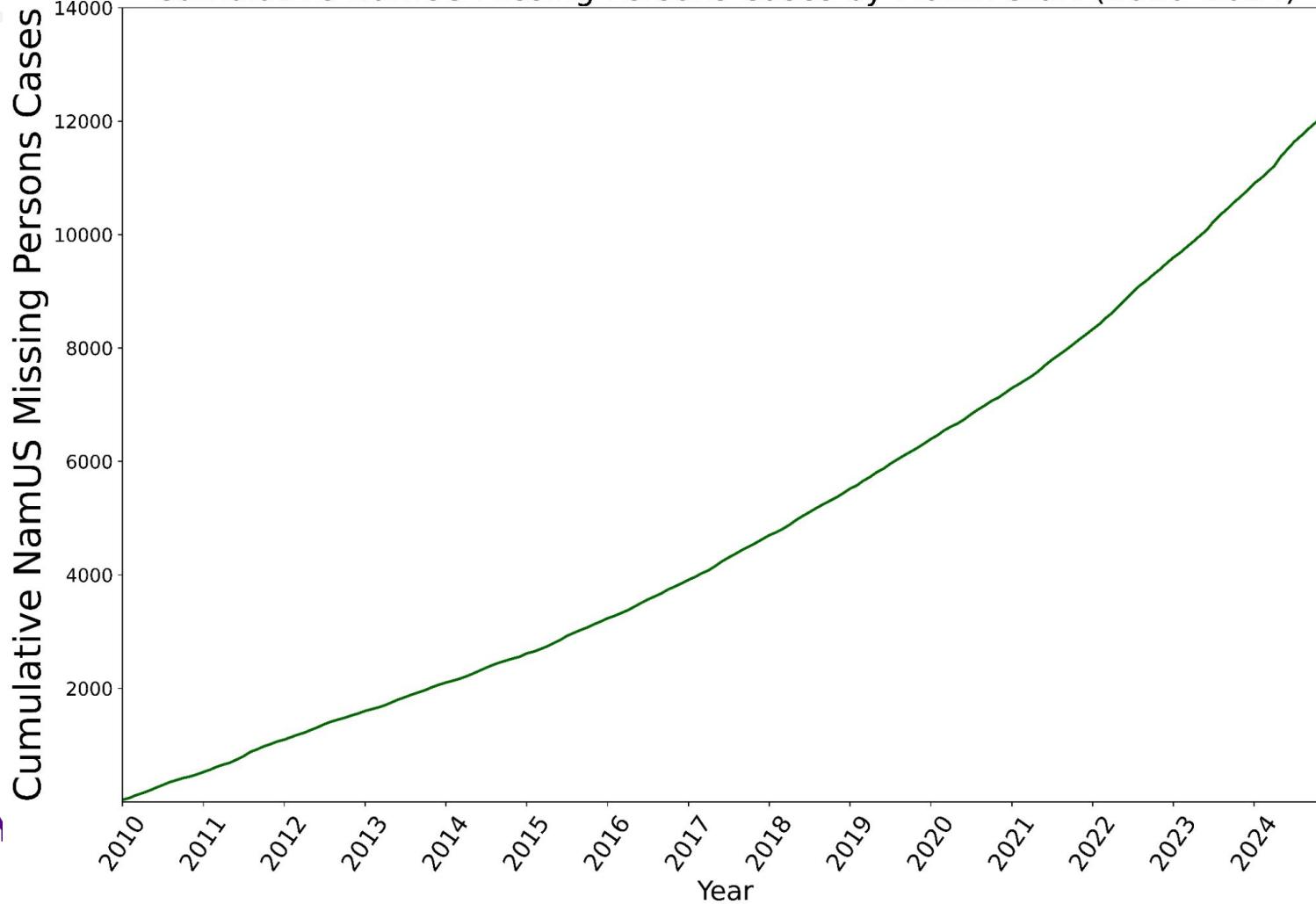


NamUs Cases [2010-2024]

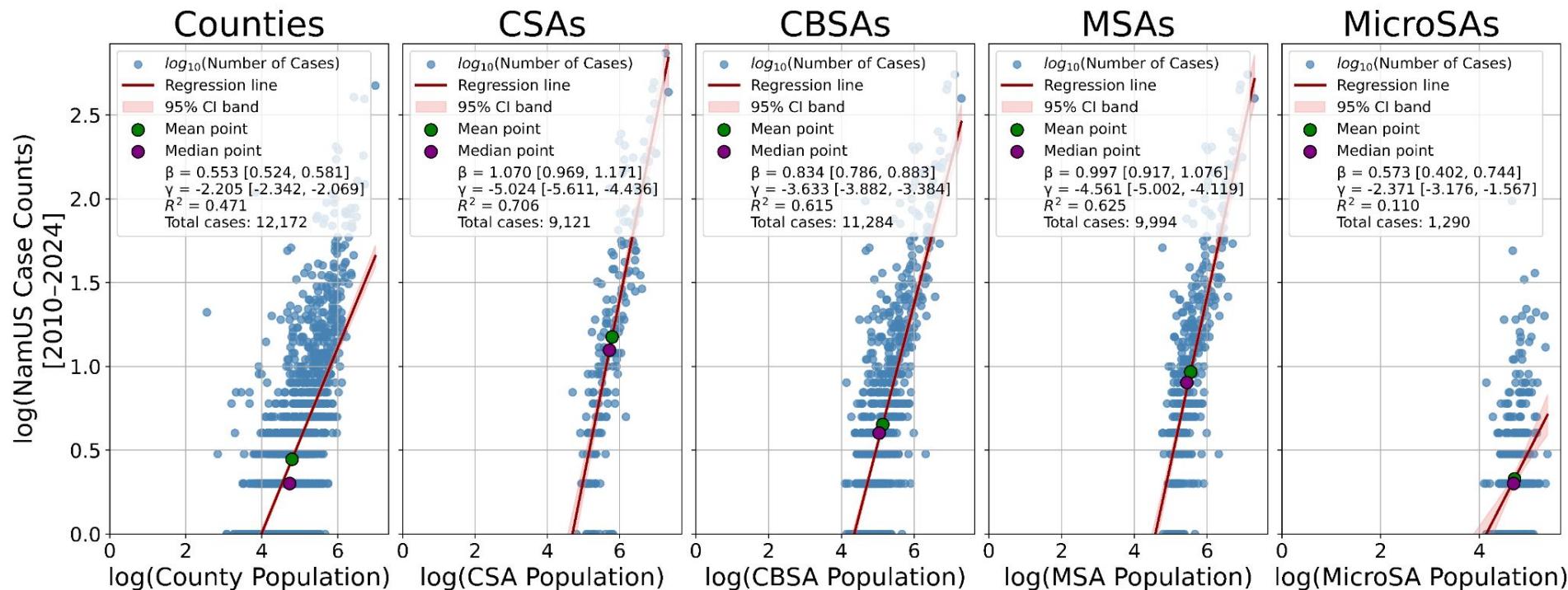
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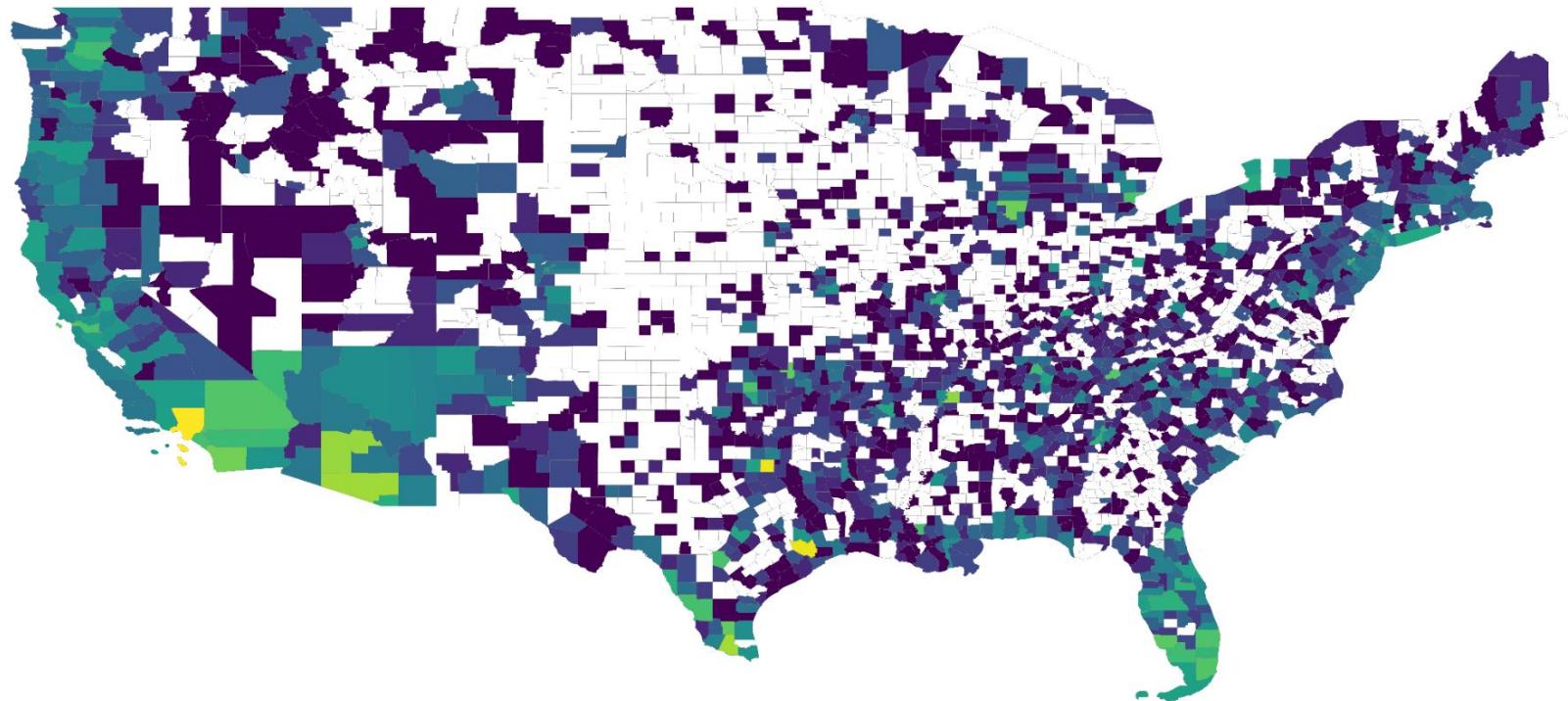
Cumulative NamUS Missing Persons Cases by Month Start (2010–2024)



Scaling Exponent (β) of NamUs Missing Persons Cases vs GEOID Population [2010–2024]



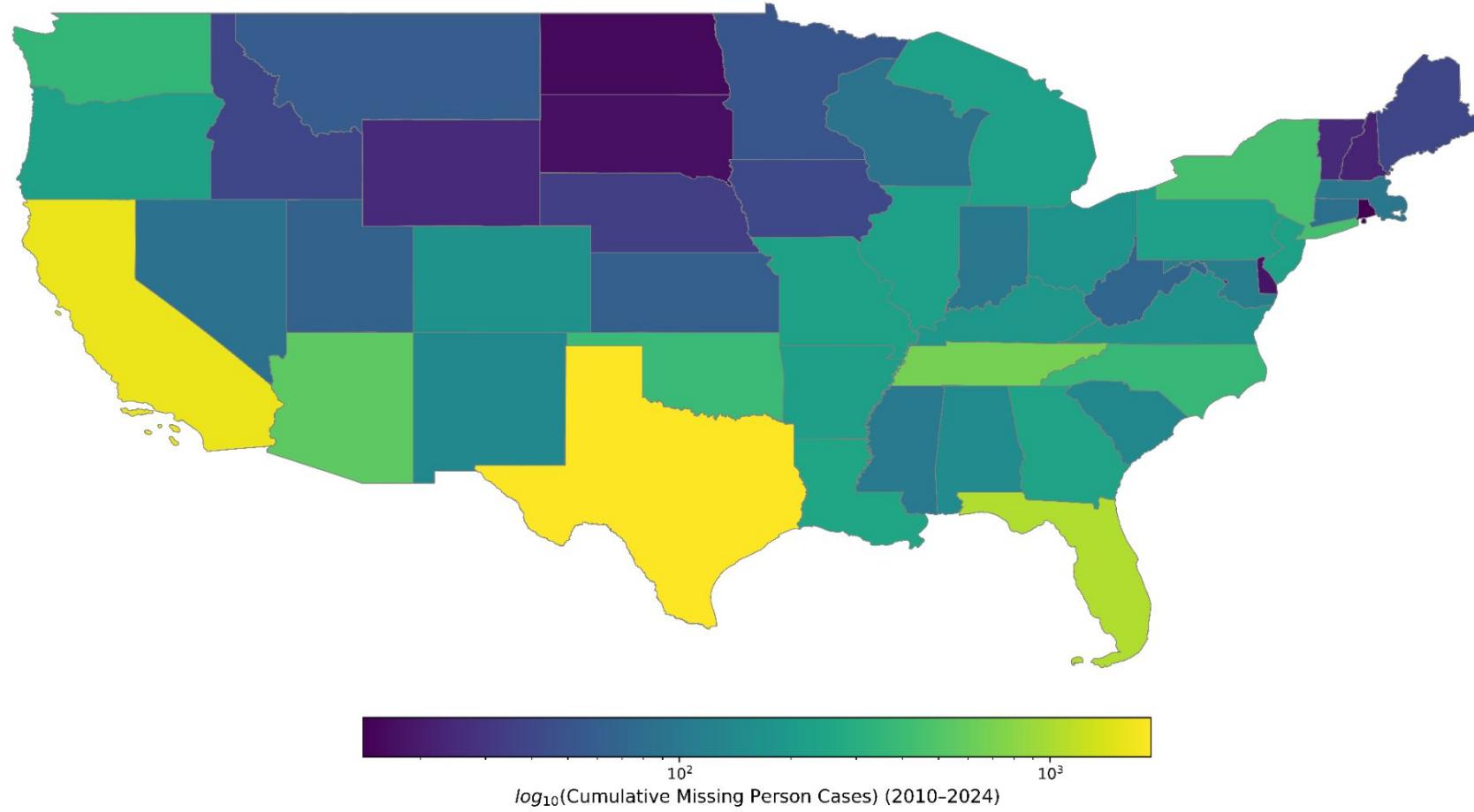
Cumulative NamUs Missing Person Cases by County (Continental U.S., 2010-2024)



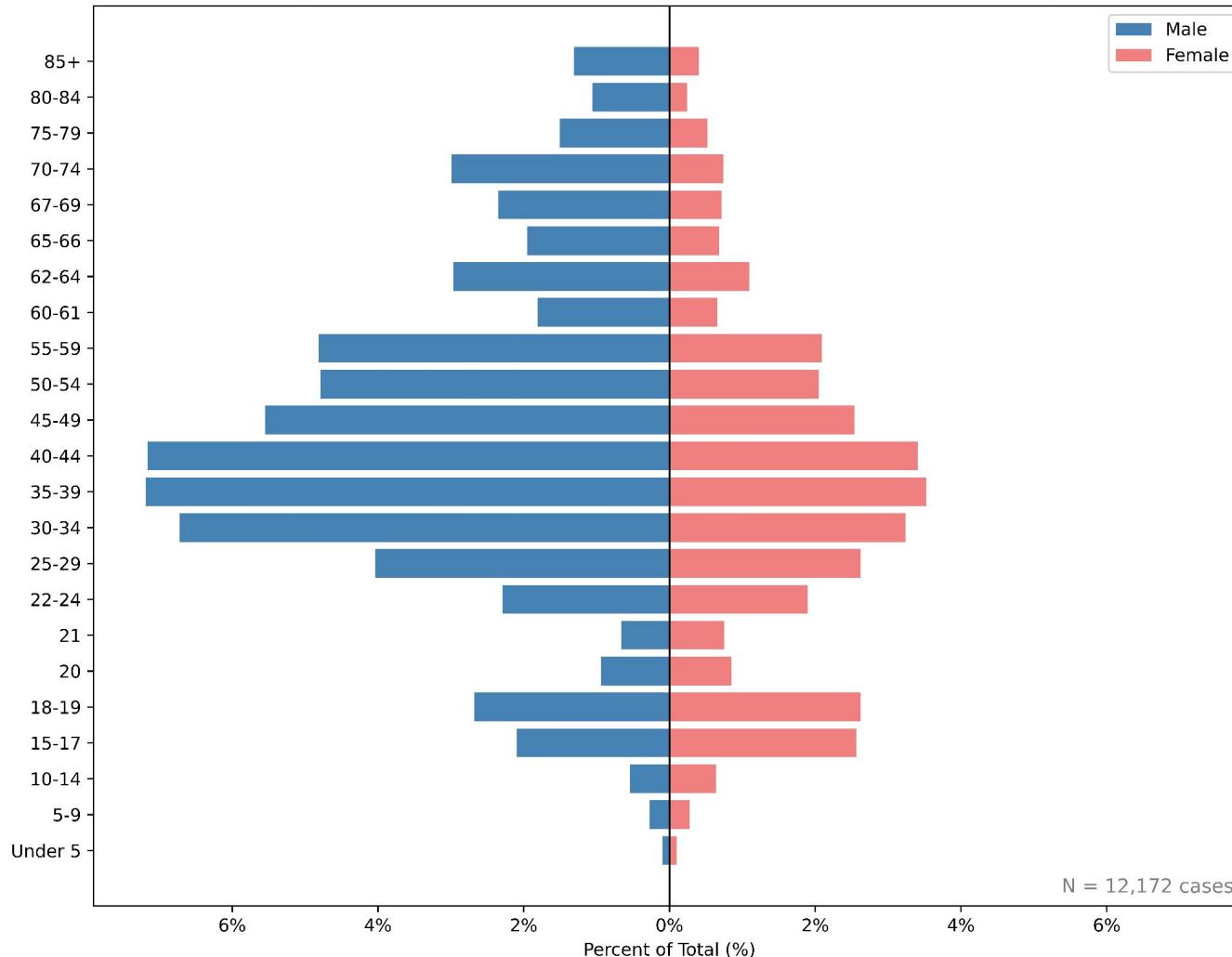
$\log_{10}(\text{Cumulative Missing Person Cases})$ (2010-2024)



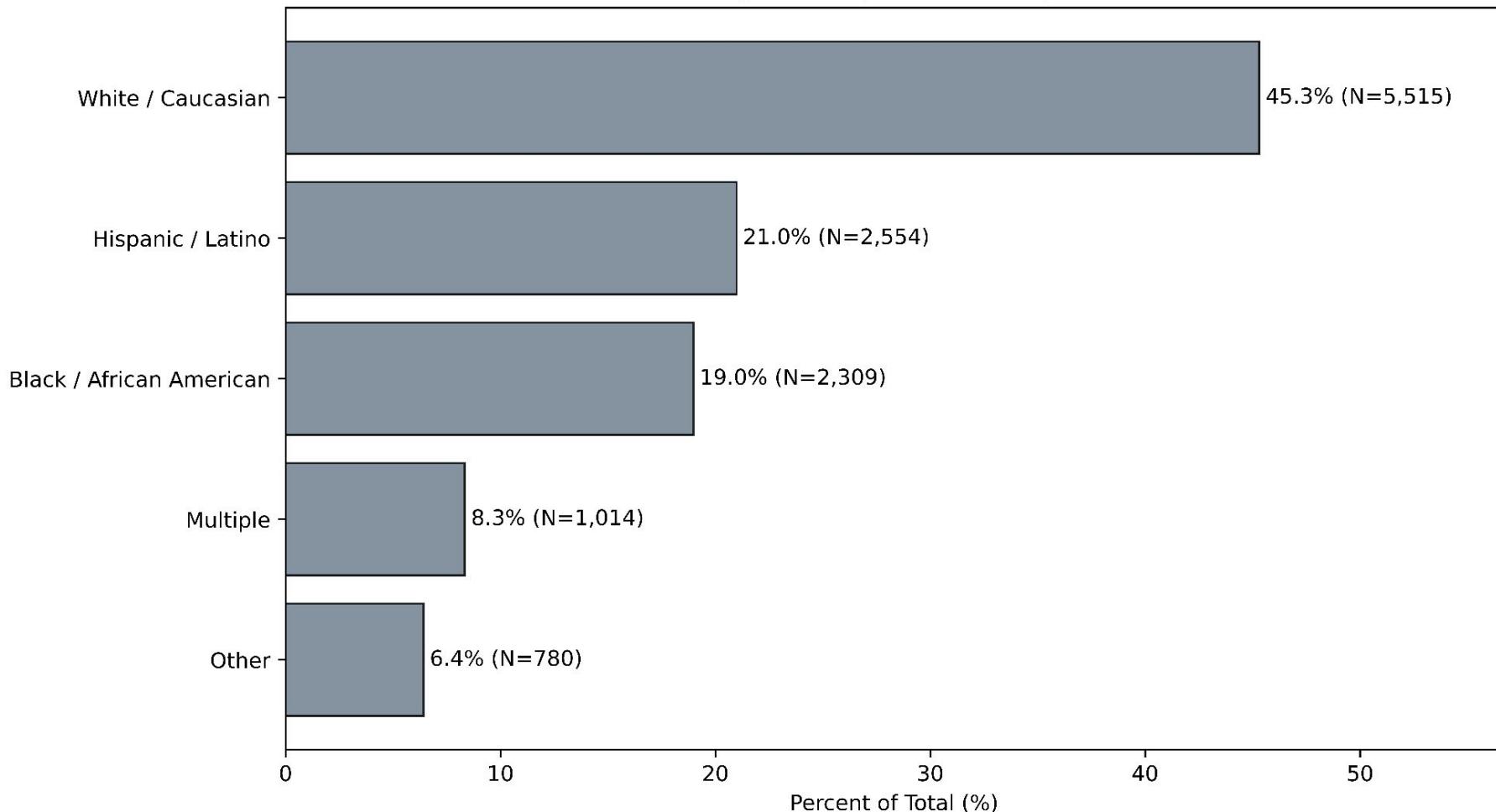
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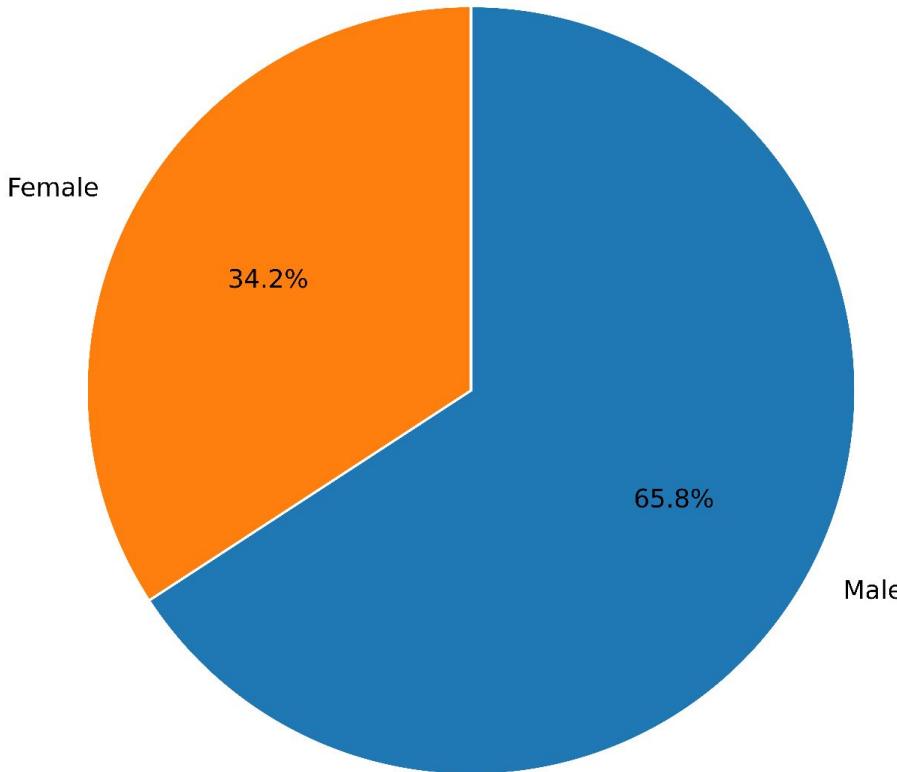
Age / Sex Distribution of Cumulative Missing Persons Cases [2010-2024]



Ethnicity Distribution of Cumulative NamUs Missing Persons [2010-2024] Cases (N = 12,172 cases)



Sex Distribution of Cumulative NamUs Missing Persons [2010-2024] Cases (N = 12,172 cases)

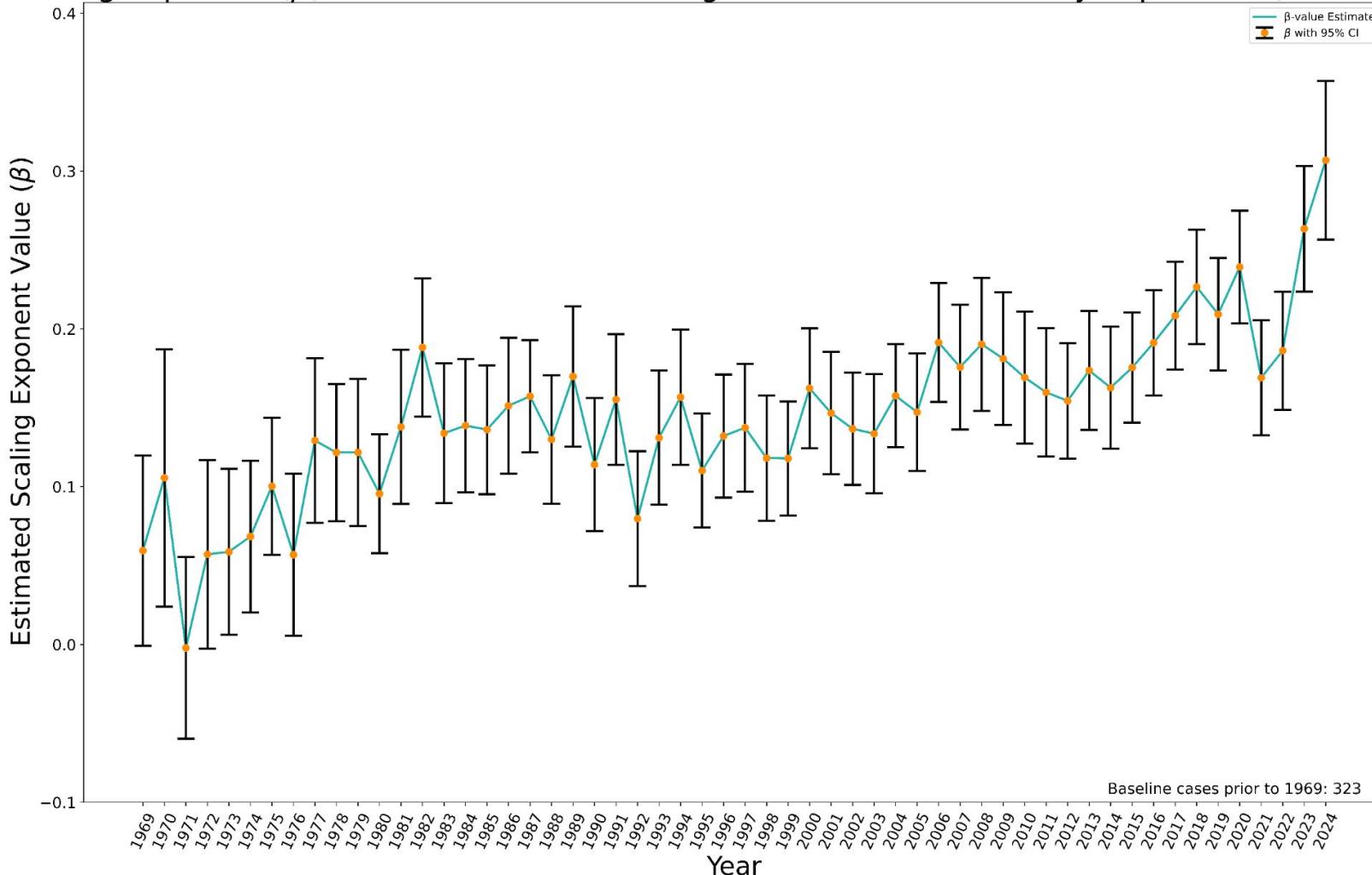


Annual NamUs Cases

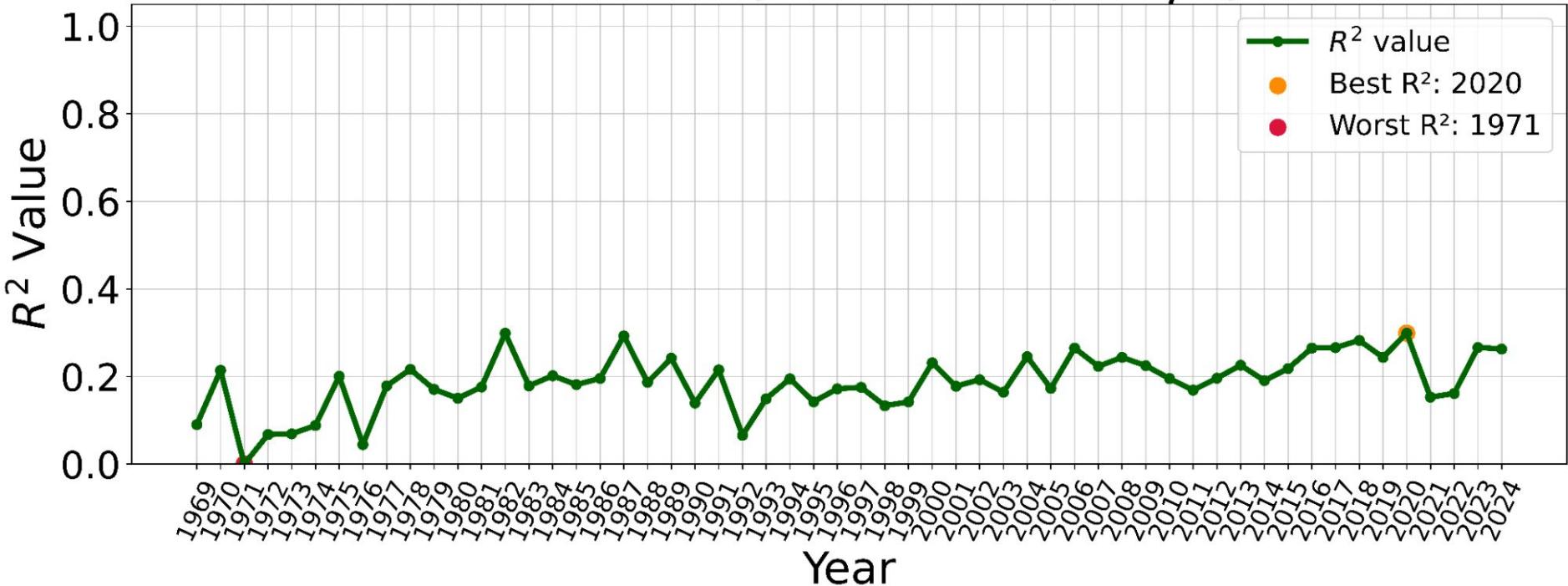
- Time-series of Scaling Exponent of Annual Cases vs GEOF Population from [1969-2024]
 - Counties
 - CSAs
 - CBSAs; MSAs and MicroSAs
- R-squared Time Series [1969-2024]
- Best and Worst Year R-squared Regression Plots

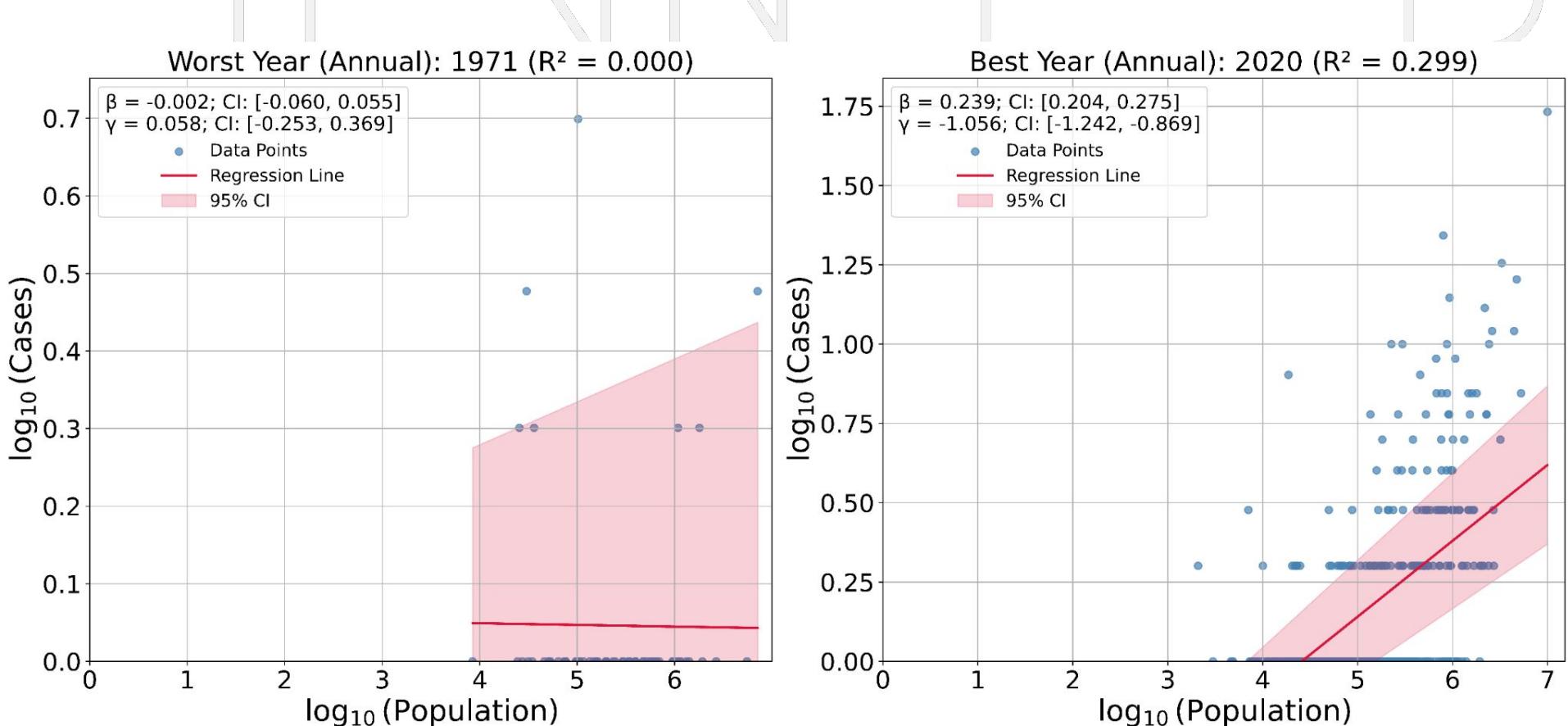
County-level

Scaling Exponent (β) of Annual NamUS Missing Person Cases vs County Population (1969-2024)



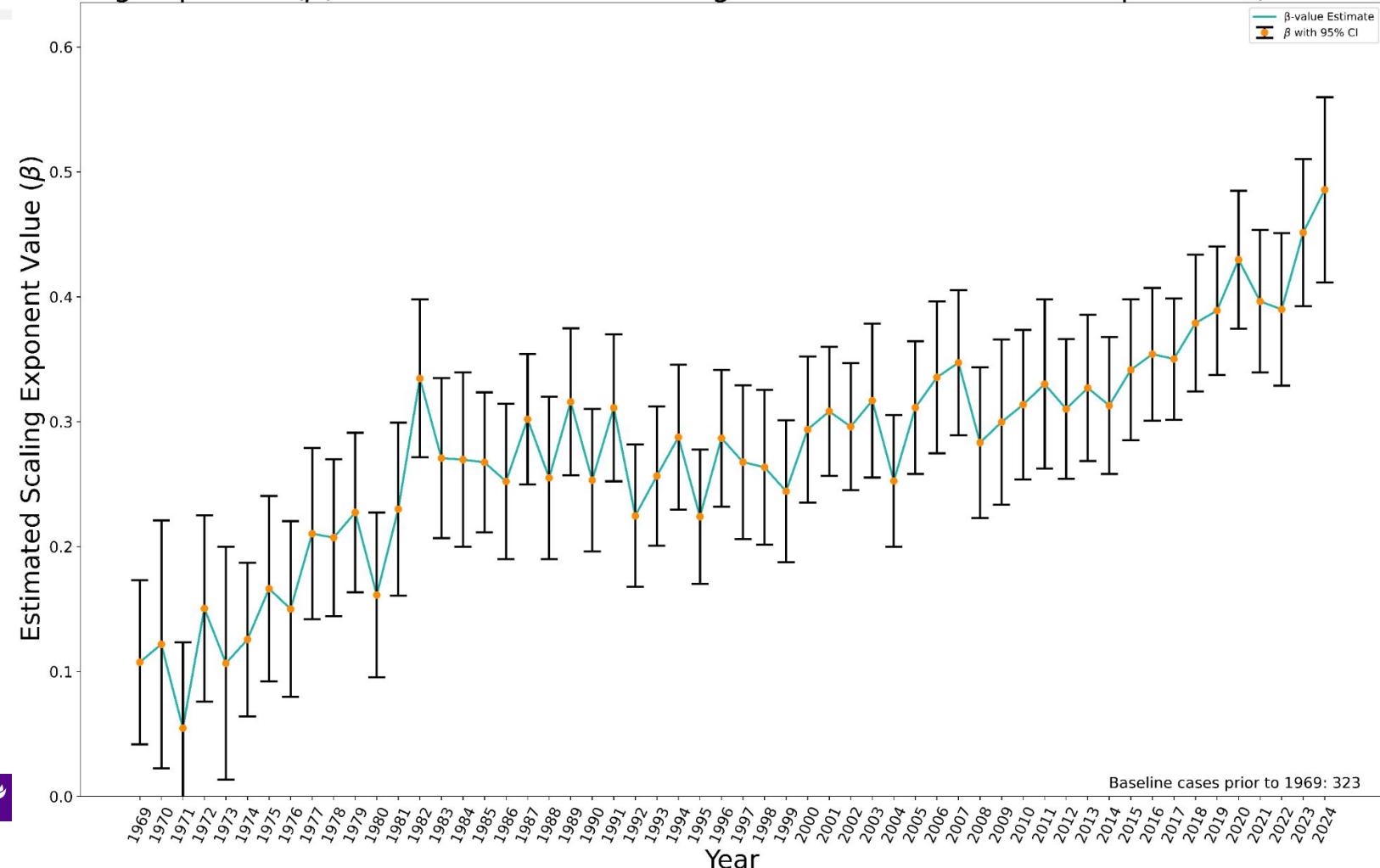
Time Series of R^2 Values (1969–2024) for β (Annual Cases)





CBSA-level

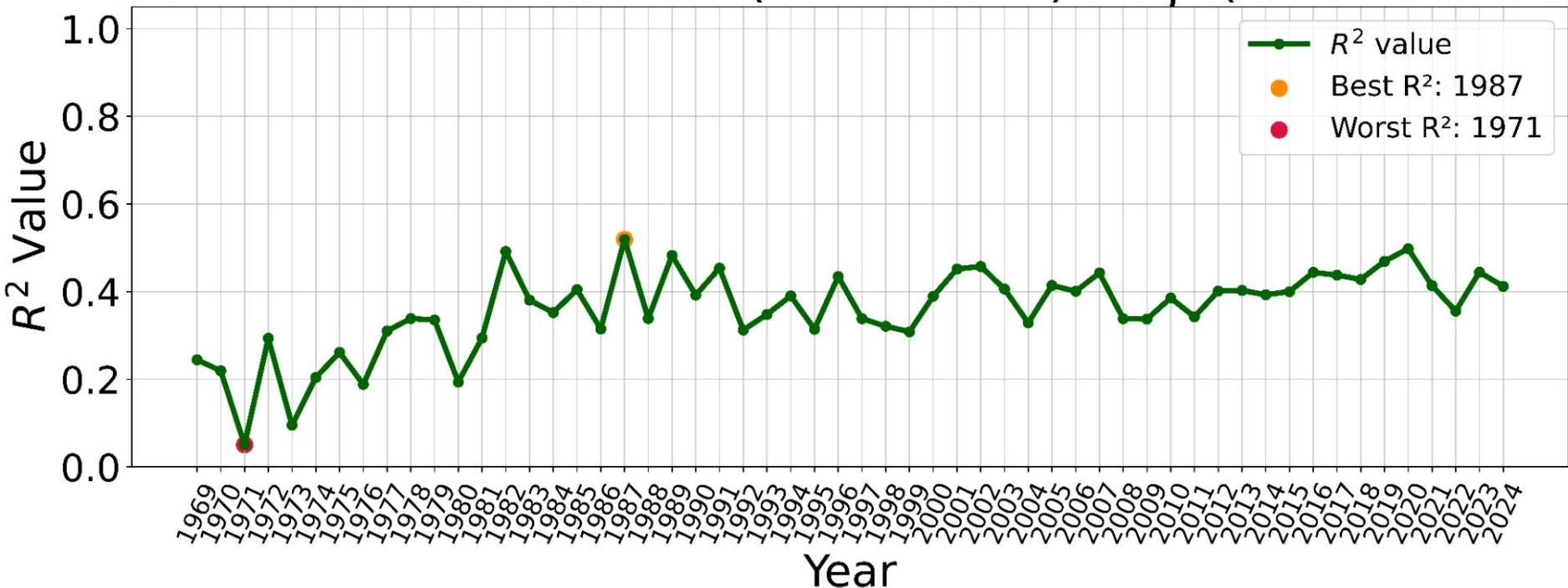
Scaling Exponent (β) of Annual NamUS Missing Person Cases vs CBSA Population (1969–2024)



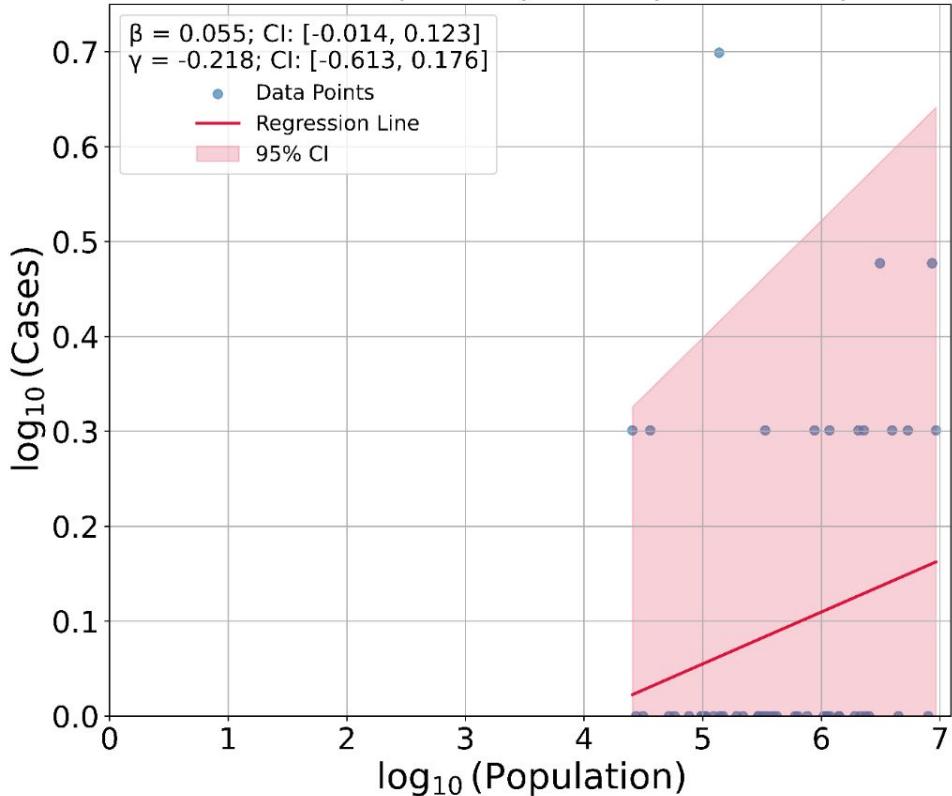
Baseline cases prior to 1969: 323



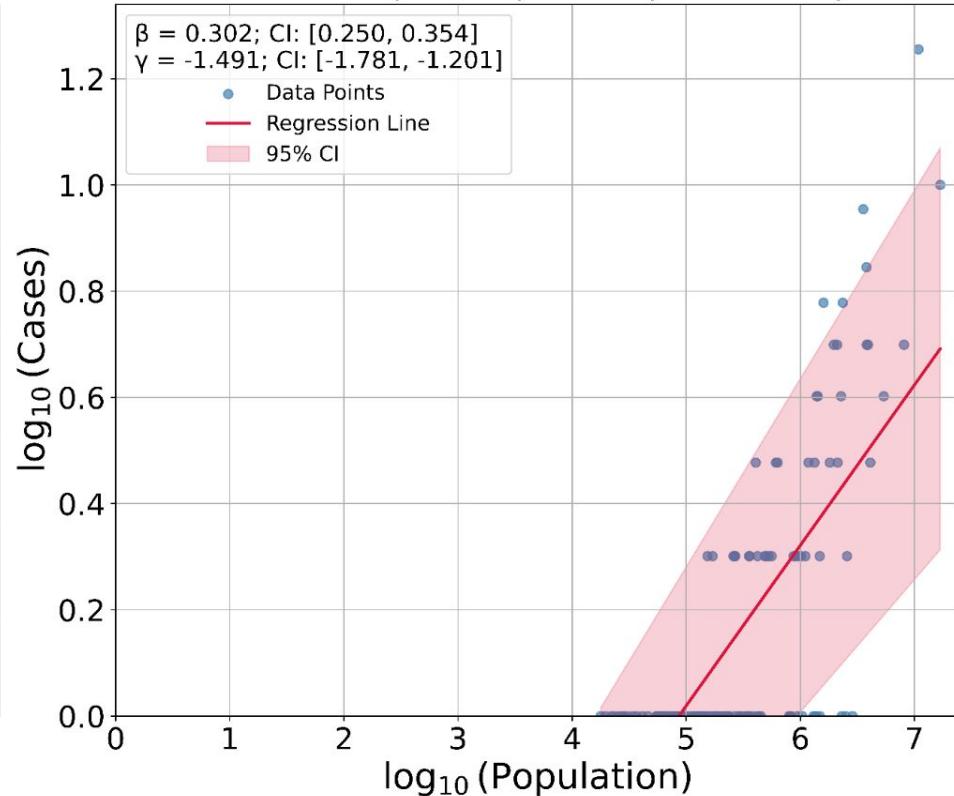
Time Series of R^2 Values (1969–2024) for β (Annual Cases)



Worst Year (Annual): 1971 ($R^2 = 0.051$)

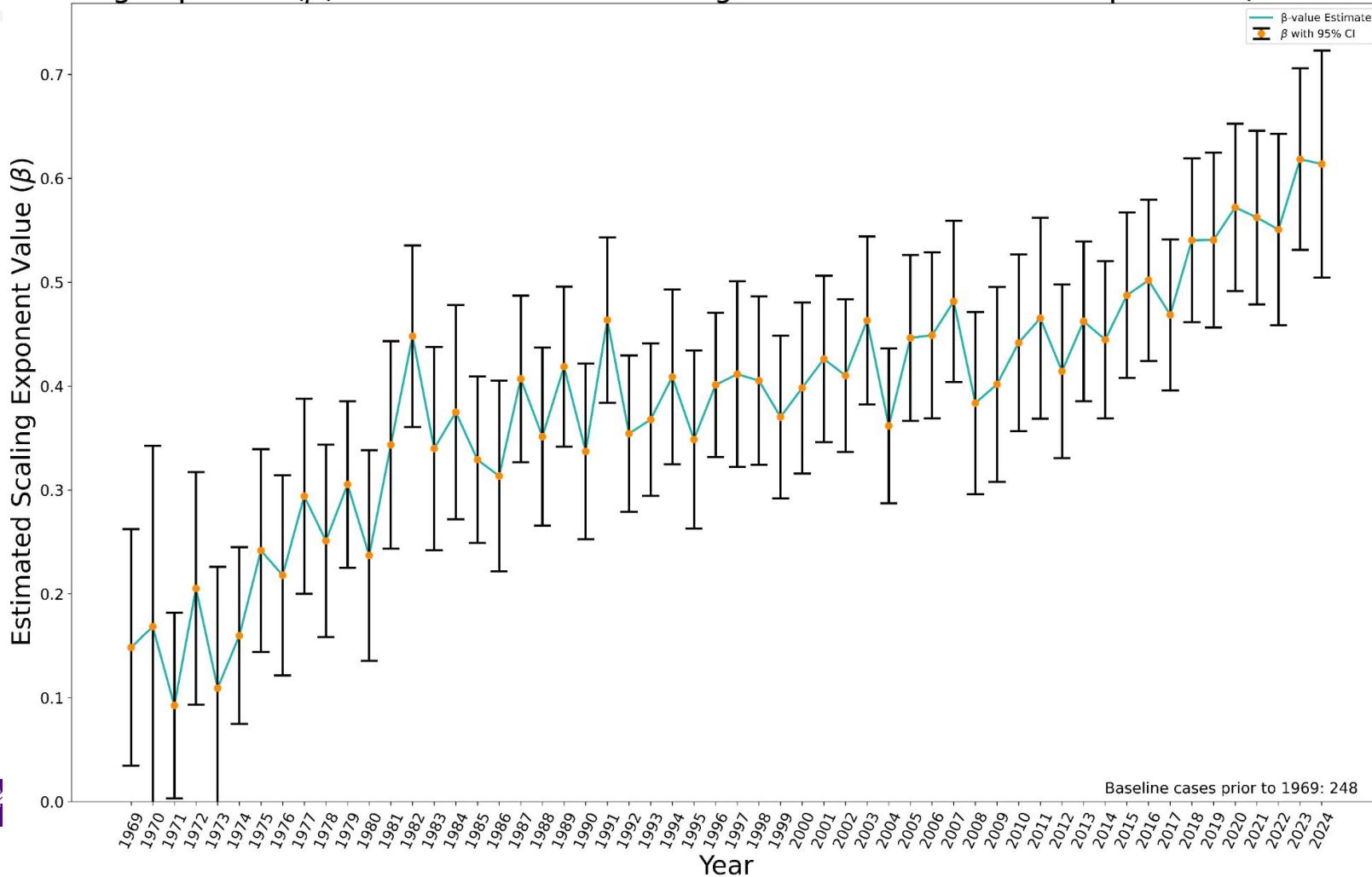


Best Year (Annual): 1987 ($R^2 = 0.519$)

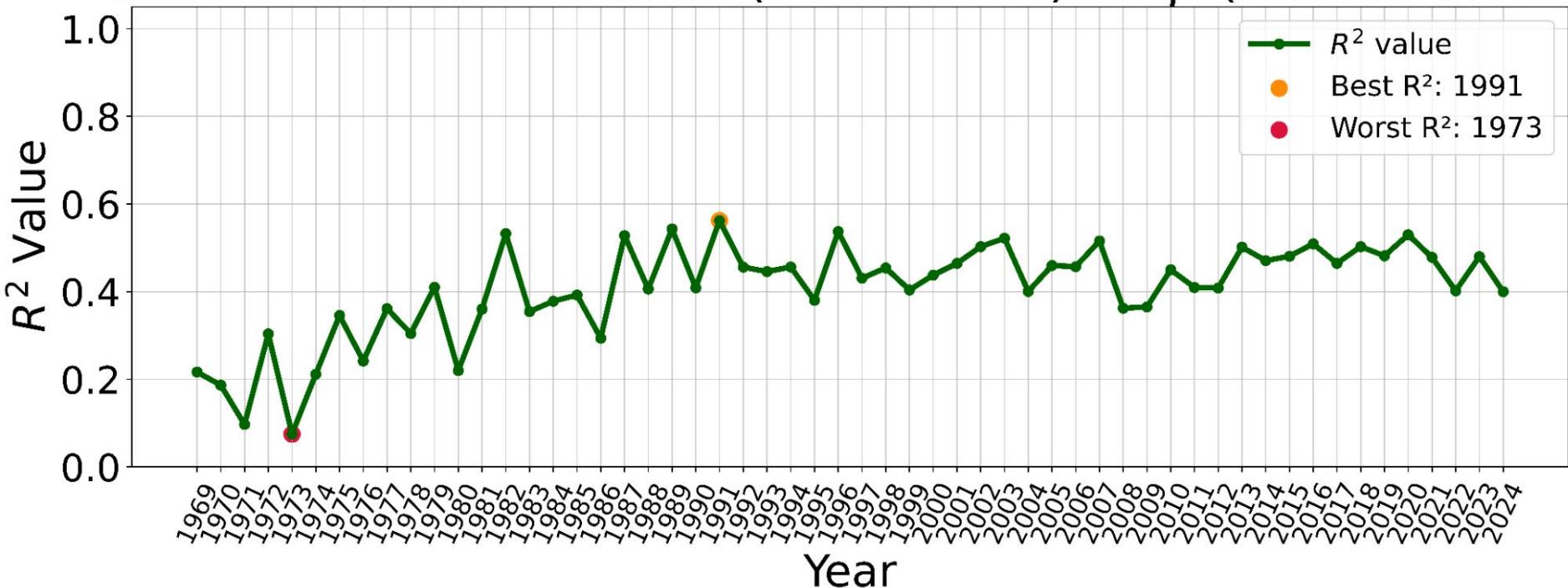


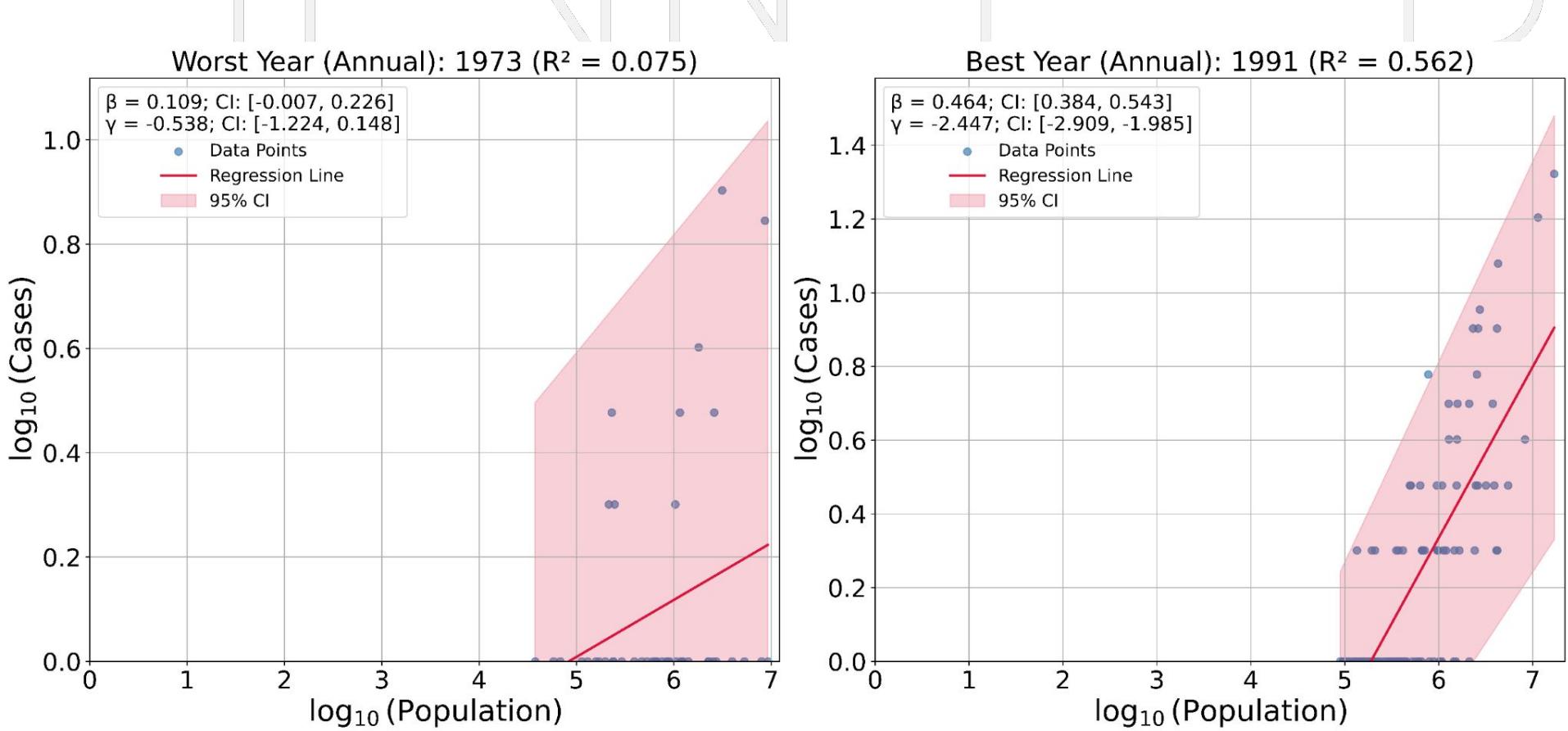
MSA-level

Scaling Exponent (β) of Annual NamUS Missing Person Cases vs MSA Population (1969–2024)



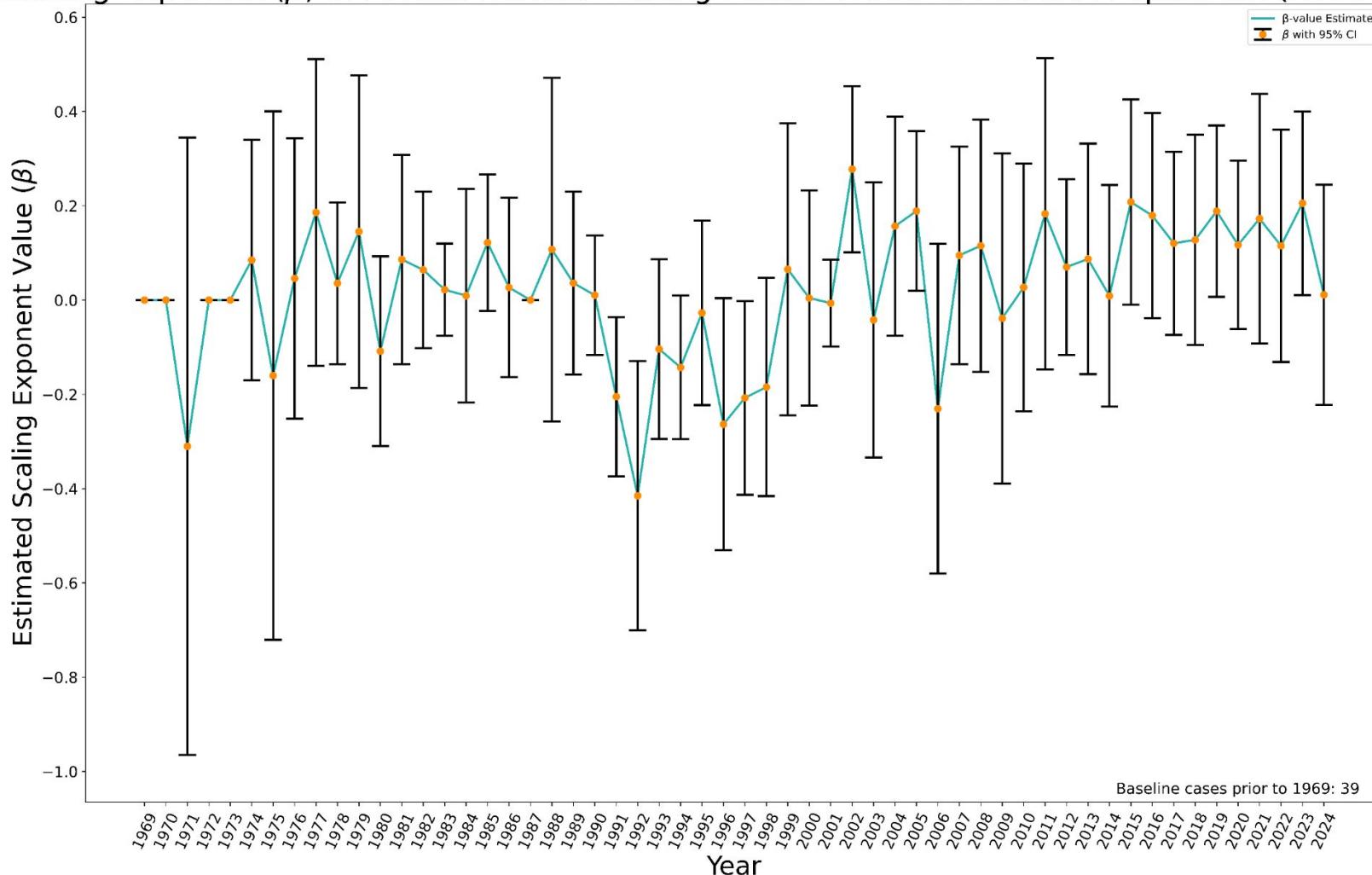
Time Series of R^2 Values (1969–2024) for β (Annual Cases)



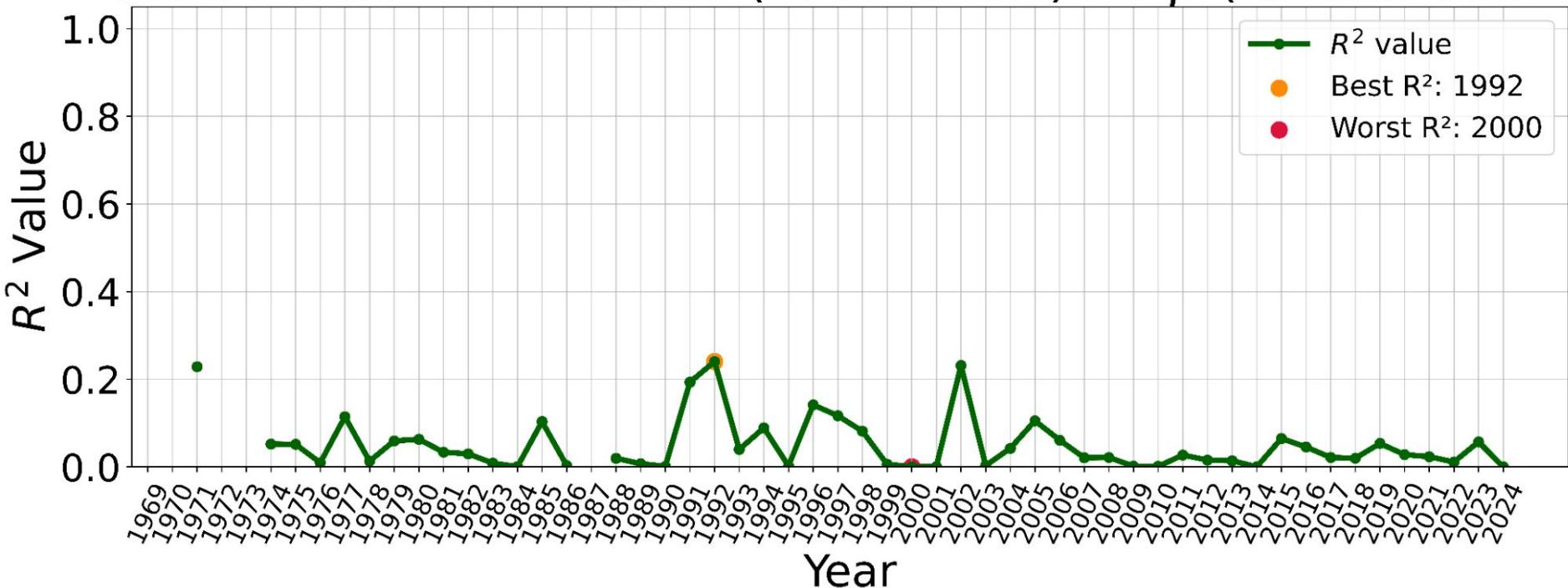


MicroSA-level

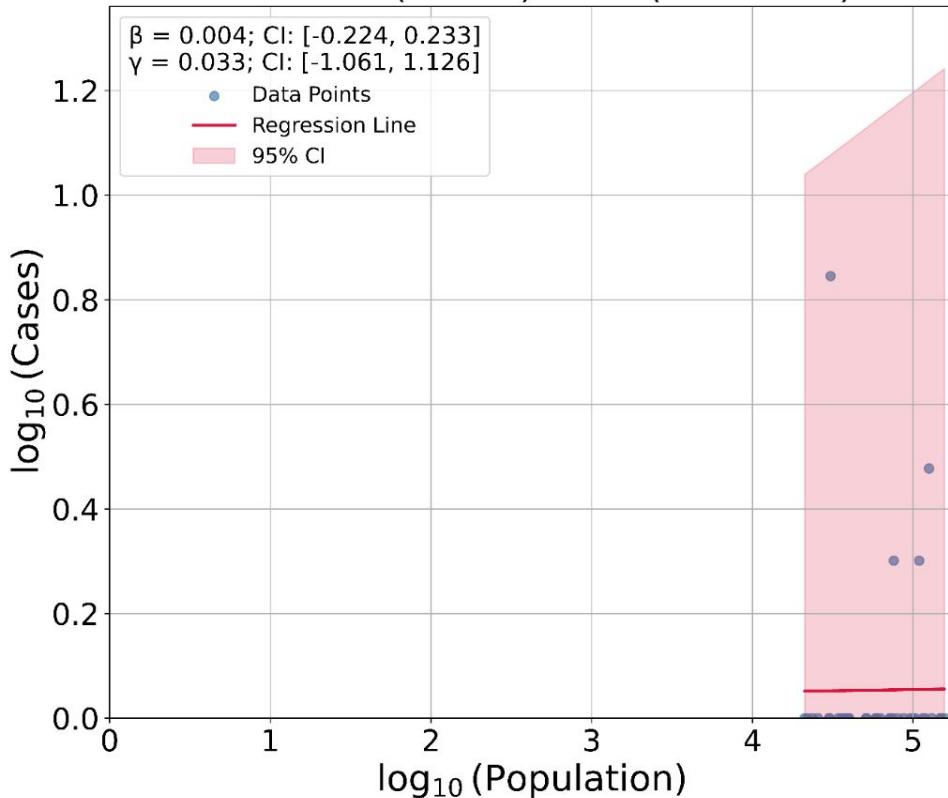
Scaling Exponent (β) of Annual NamUS Missing Person Cases vs MicroSA Population (1969-2024)



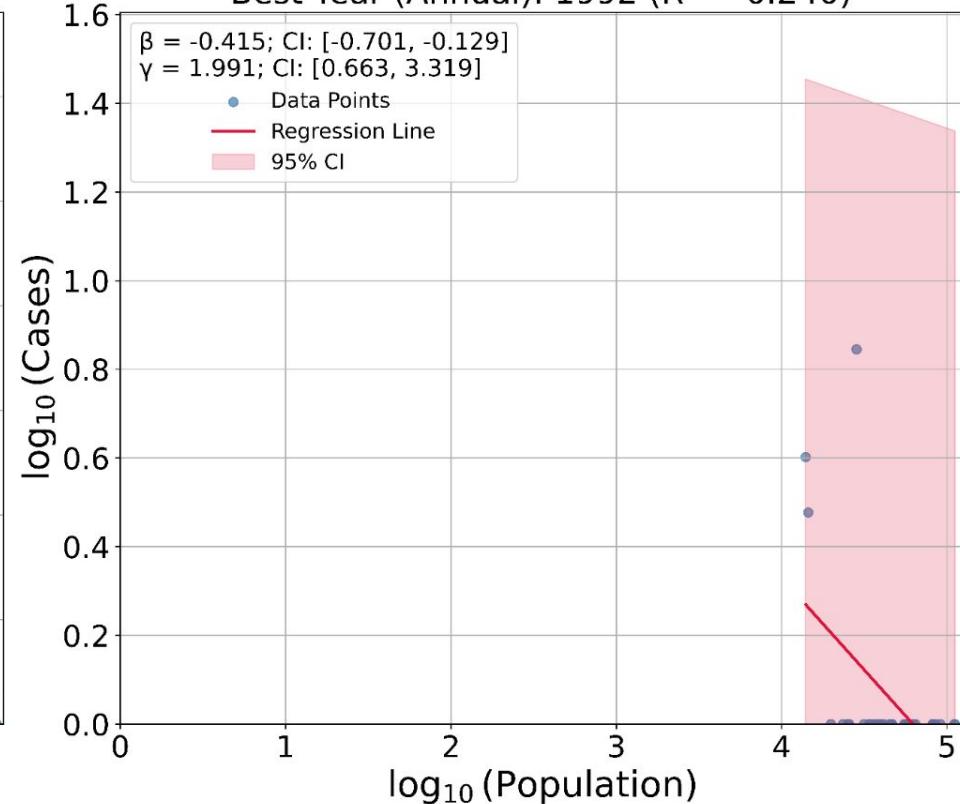
Time Series of R^2 Values (1969–2024) for β (Annual Cases)



Worst Year (Annual): 2000 ($R^2 = 0.000$)

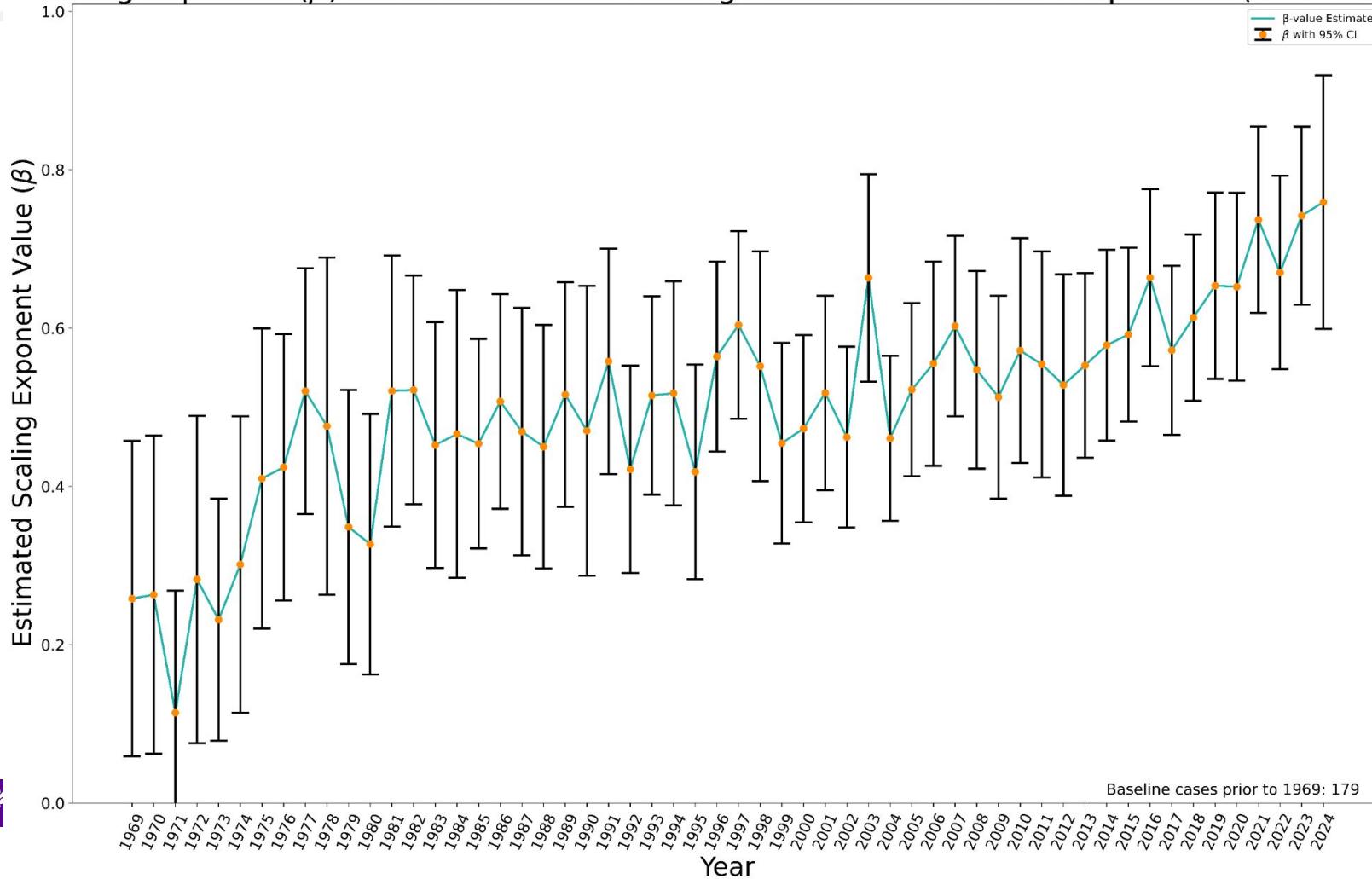


Best Year (Annual): 1992 ($R^2 = 0.240$)



CSA-level

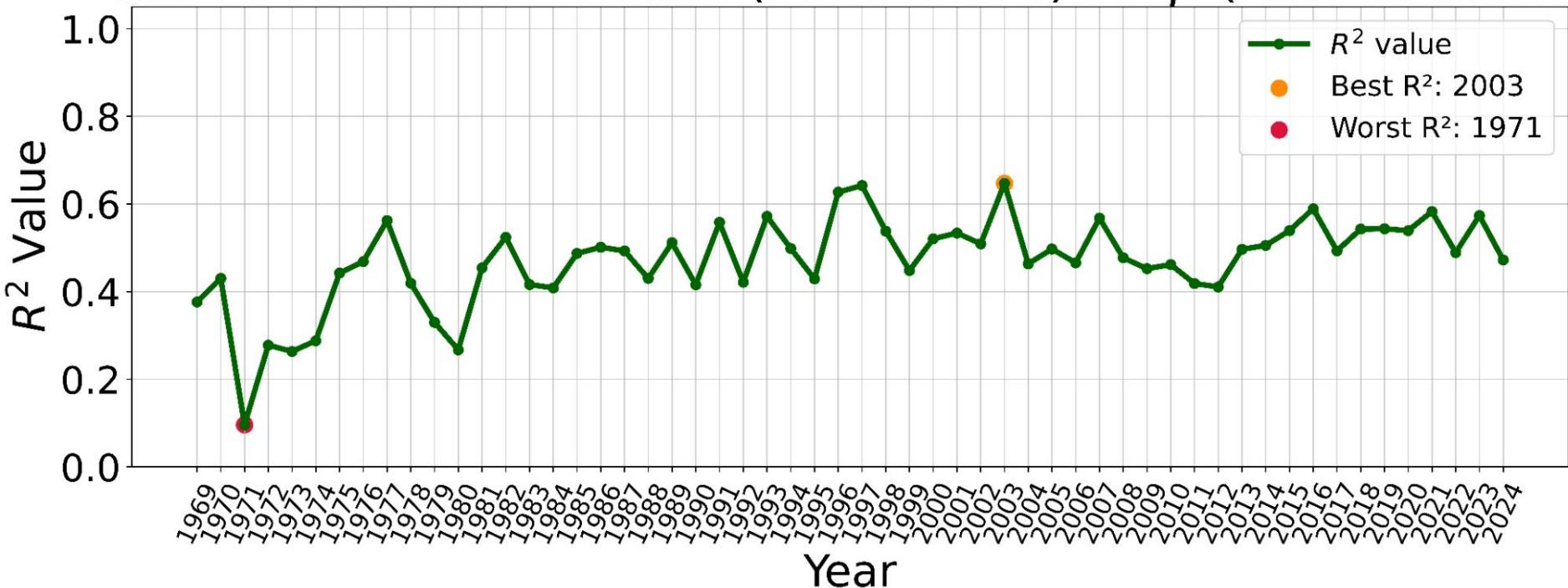
Scaling Exponent (β) of Annual NamUS Missing Person Cases vs CSA Population (1969–2024)

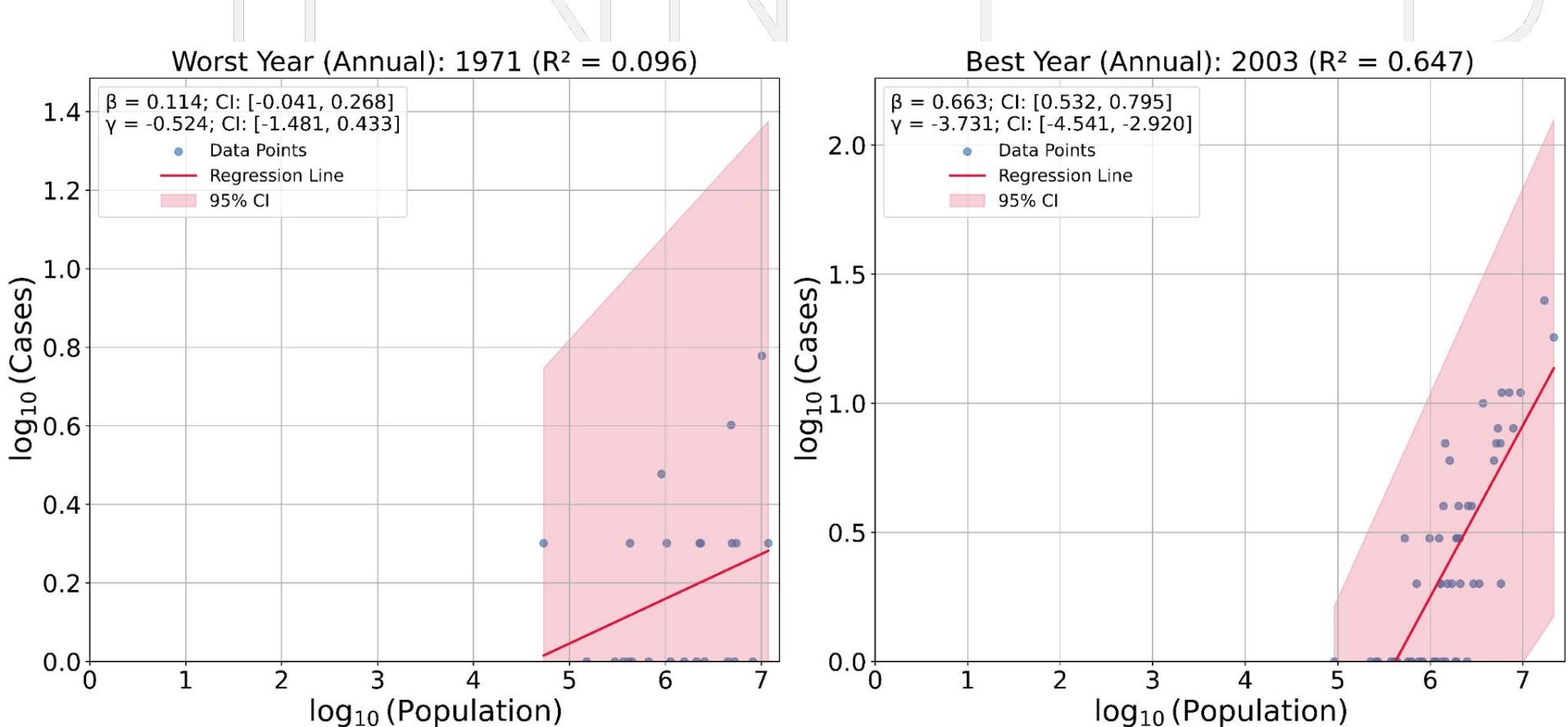


Baseline cases prior to 1969: 179



Time Series of R^2 Values (1969–2024) for β (Annual Cases)





Mexico INEGI Cases

Mexico Missing Persons Cases Data Characteristics

- We have **129,830** available records, with % *incomplete* by column:
 - Victim ID: **0.00%**
 - Origin Agency: **0.00%**
 - Date of Birth: **59.31%**
 - Sex: **37.05%**
 - Date of Incidence: **43.13%**
 - Date of Report: **41.52%**
 - Victim Status: **96.13%**
 - State: **2.26%**
 - State ID: **0.00%****
 - Municipality: **40.92%**
 - Municipality ID: **0.00%****
- Guide to Mexican Administrative Divisions
- The Mexico-American GEOFID equivalencies by average population size seem to follow:
 - Mexican 'States' == American 'States'
 - Mexican 'Municipalities' == American 'Counties?' & American 'MSAs/CBSAs'
 - Extremely wide range of population values
 - Includes:
 - 'Ciudades'
 - 'Villas'
 - 'Pueblos'
 - ...
 - Mexican 'Localities' == American 'Blocks?'
 - Mexico City 'Boroughs' == American 'Counties'

incomplete entries are 'MISSING', 'UNKNOWN', or 'CENSORED'*

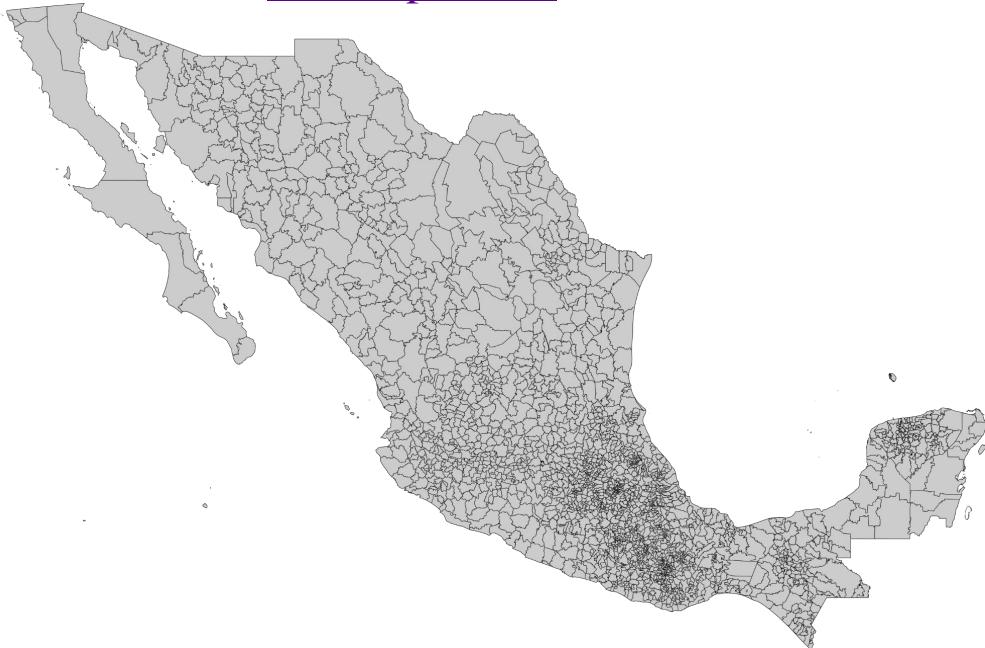
GEOFID IDs that are incomplete have a specific code

Mexico by GEOIDS

States:



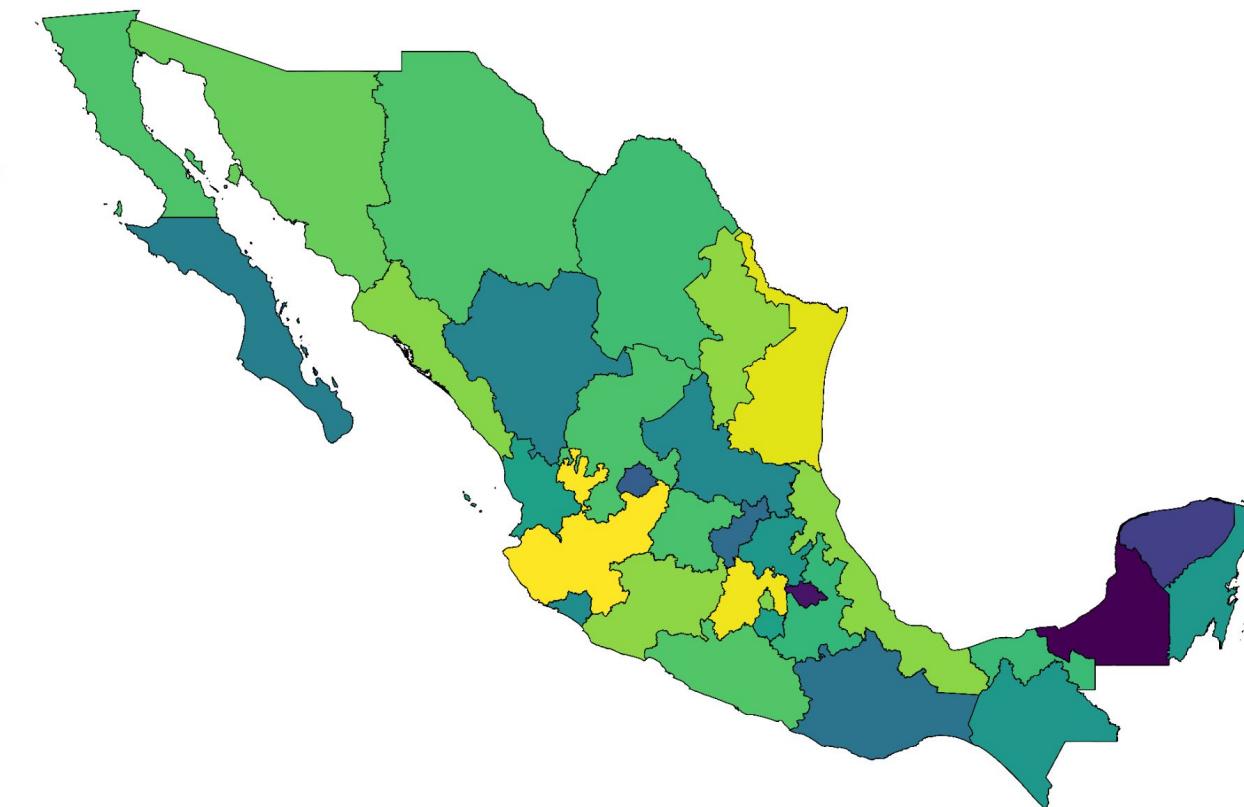
Municipalities:



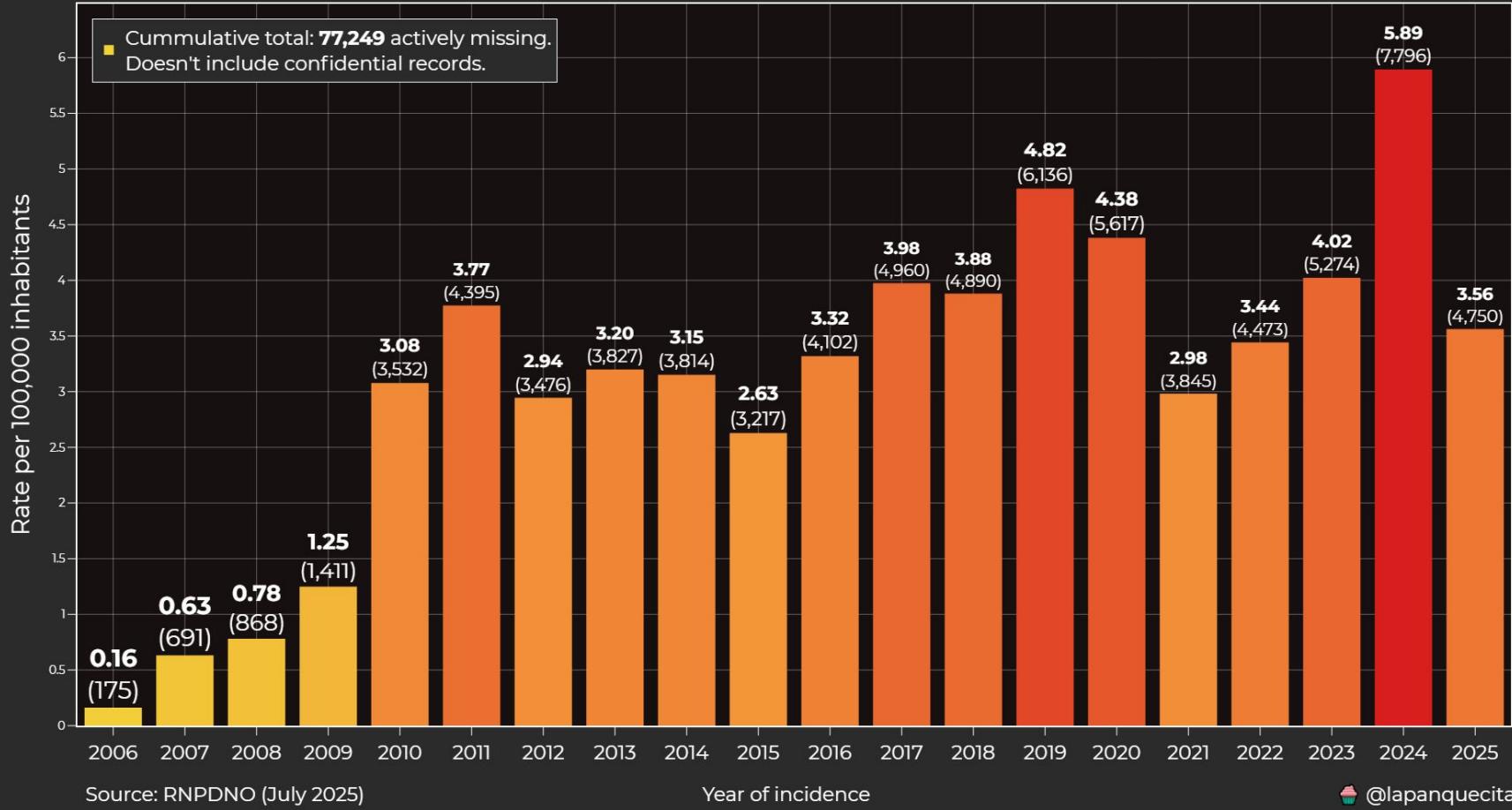
By Eddo - This W3C-unspecified vector image was created with Adobe Illustrator., CC BY-SA 3.0,
<https://commons.wikimedia.org/w/index.php?curid=14581939>

By Goran tek-en, CC BY-SA 4.0,
<https://commons.wikimedia.org/w/index.php?curid=96160260>

Valid INEGI Missing Persons Cases by Mexican State (Log Scaled)



Evolution of the rate of missing and unaccounted-for people in **Mexico** (2006-2025)

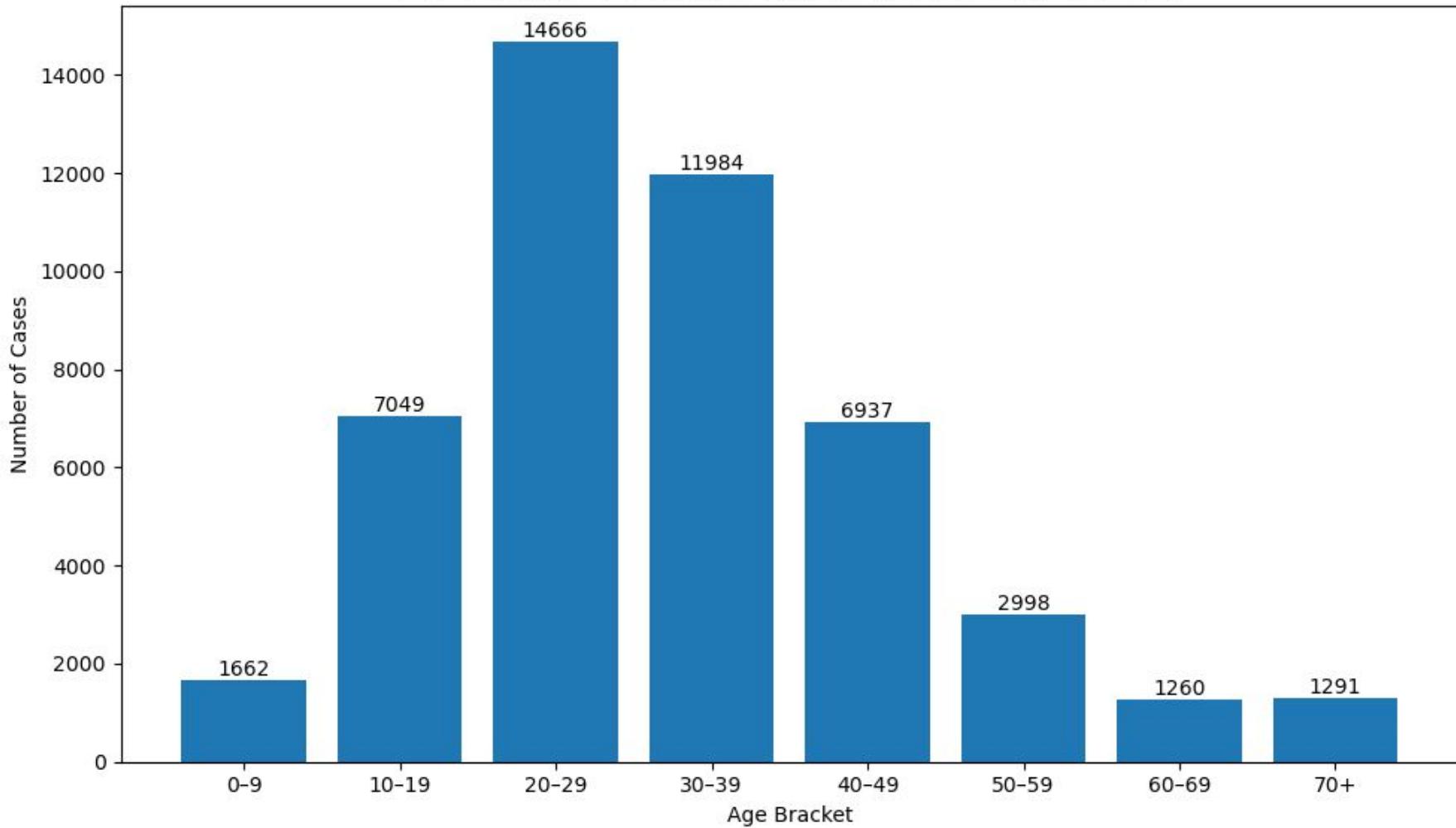


Source: RNPDO (July 2025)

Year of incidence

cupcake icon @lapanquecita

Distribution of INEGI Missing Persons Cases: Ages at Incidence



Sex Distribution of INEGI Missing Persons Cases

