

YENILE CRIME IN GERMANY

Current extent, distribution, and development

OUR TEAM

Alexander Schuppe



Johanna Köpke



Julie Laur



AGENDA

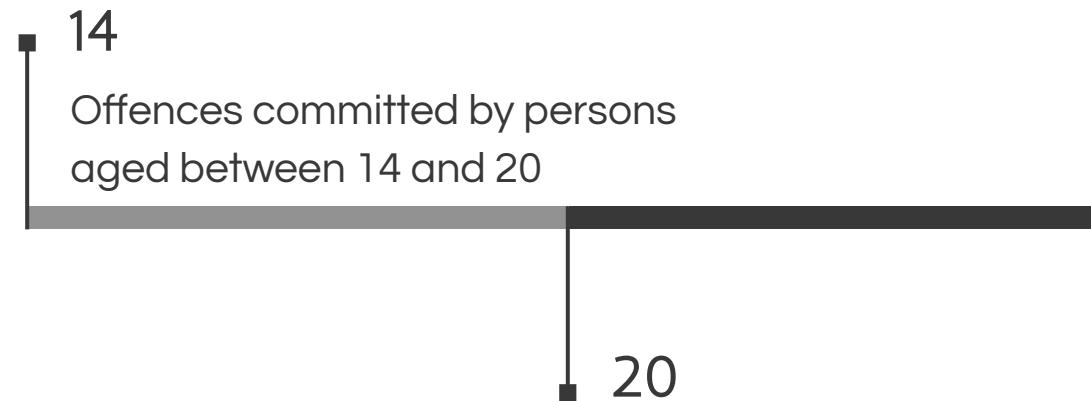
01 INTRODUCTION

02 SCOPE

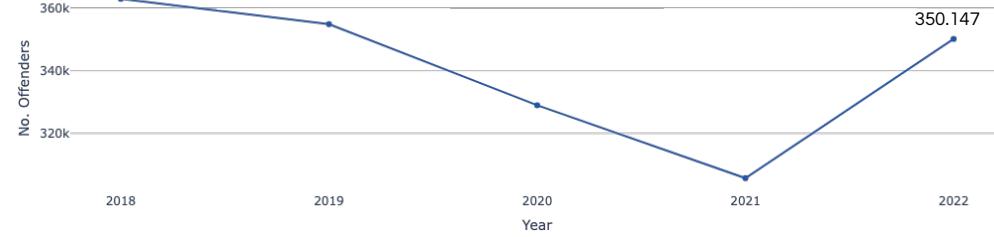
03 DELIVERABLES

Key findings & Dashboard

WHAT IS JUVENILE CRIME?



IN 2022 THERE
WERE MORE THAN
350,000 JUVENILE
OFFENDERS



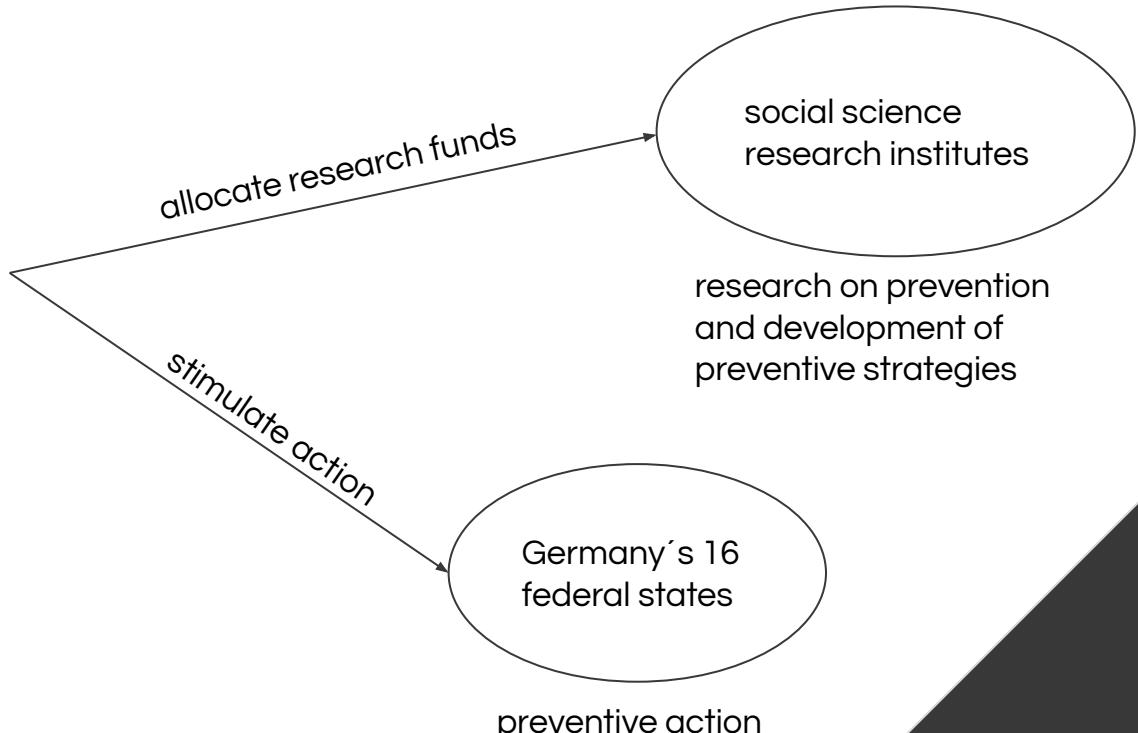
WHY IT IS IMPORTANT TO ANALYZE JUVENILE CRIME

- ensuring public safety
- identify risk factors
- develop effective prevention and intervention strategies
- design targeted programs to address underlying issues

RESPONSIBILITIES OF BMFSFJ



Bundesministerium
für Familie, Senioren, Frauen
und Jugend
BMFSFJ



* Fictive Case

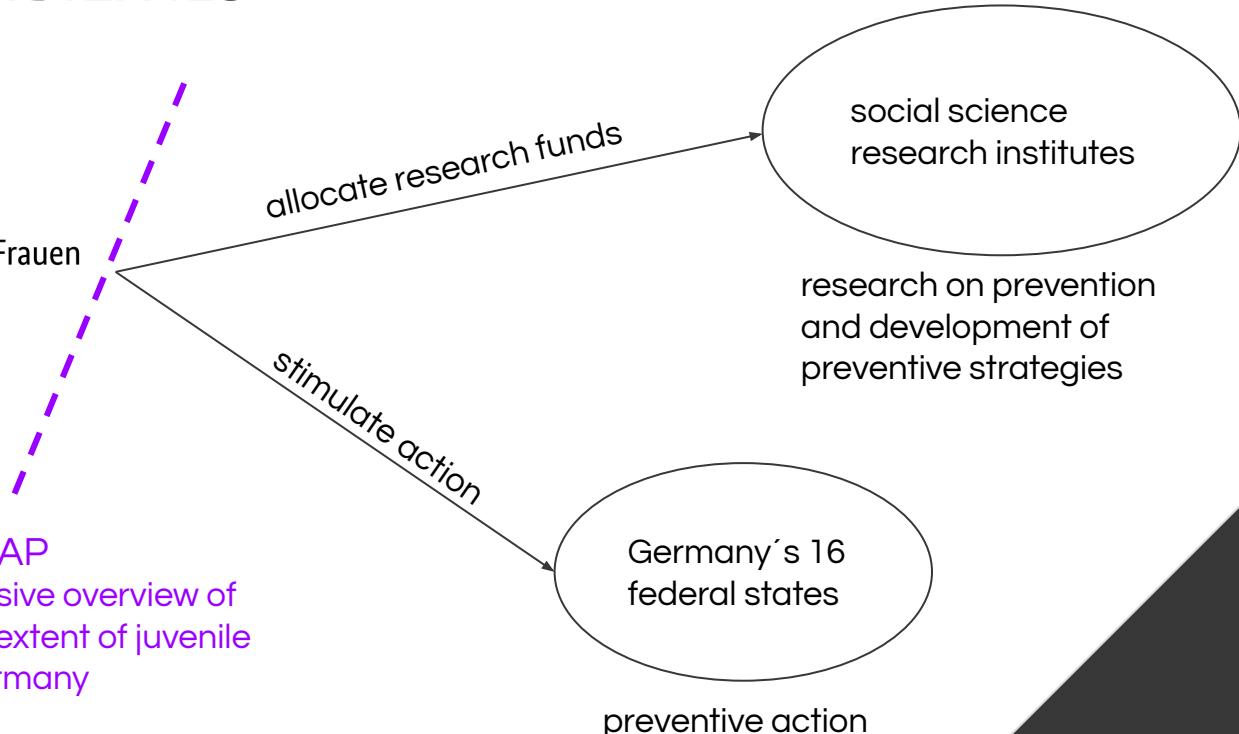
BMFSFJ IS MISSING INFORMATION TO FULFILL ITS RESPONSIBILITIES



Bundesministerium
für Familie, Senioren, Frauen
und Jugend

BMFSFJ

GAP
comprehensive overview
of the current extent of juvenile
crime in Germany



* Fictive Case

BMFSFJ REQUIRES INFORMATION ON JUVENILE CRIME

- current level
- development over the recent years
- offenses that account for the majority of juvenile crime
- distribution of the most common offenses

02

SCOPE

Juvenile crime in
Germany

SCOPE

TIME FRAME

Last five years
(2018 - 2022)

AREA

Germany
16 federal states

AGE GROUPS

14 < 16
16 < 18
18 < 21

SELECTED CRIMES *

* listed in Appendix

DATA SOURCES

- Police crime statistics*, German federal criminal police office (Bundeskriminalamt - BKA)
- German federal statistical office (Statistisches Bundesamt - Destatis)

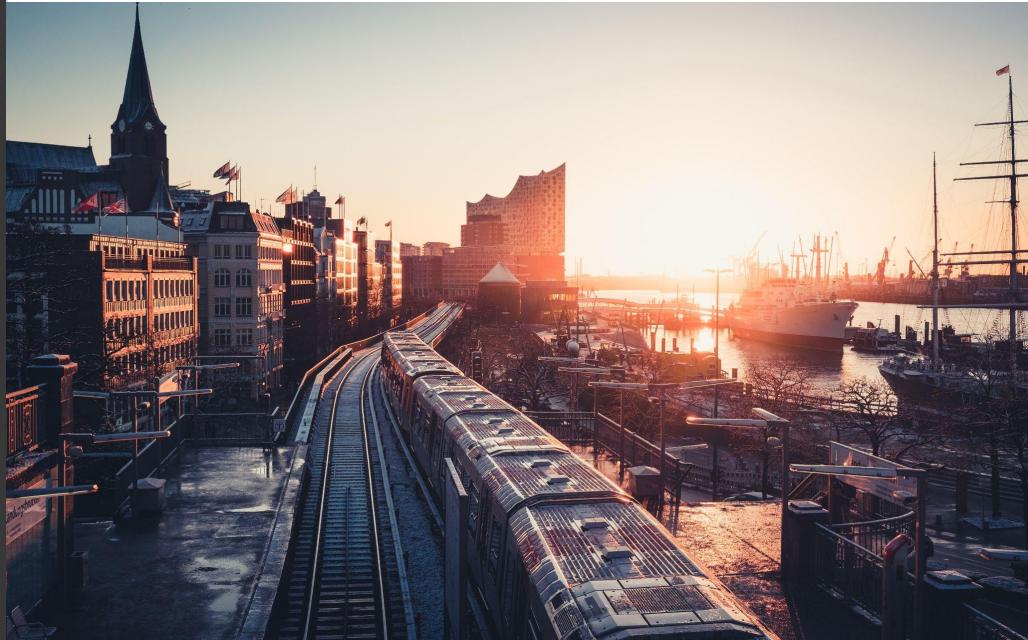
* PKS Bundeskriminalamt, 2018 - 2022, Version 2.0

03

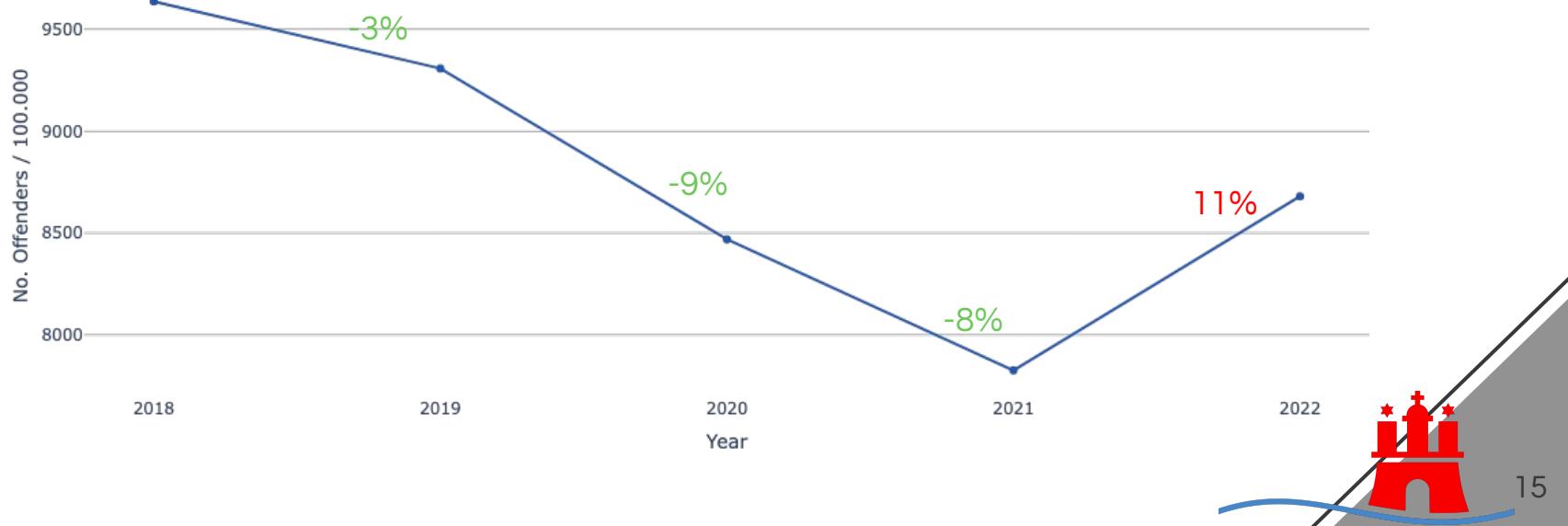
DELIVERABLES

Juvenile crime in
Germany

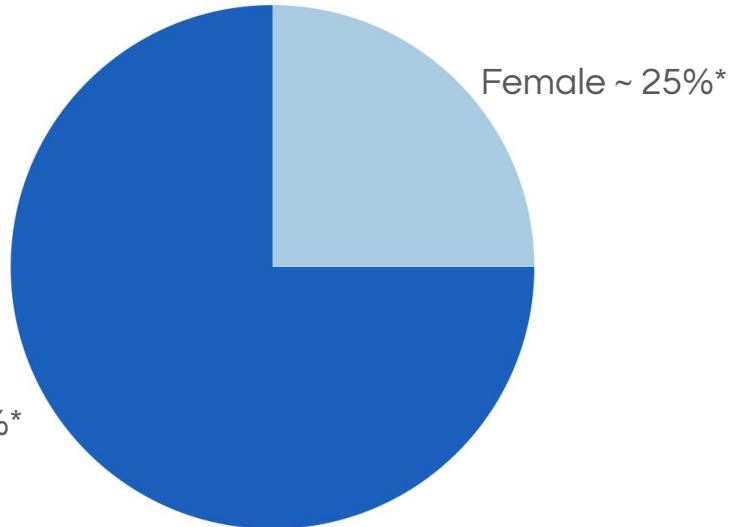
KEY FINDINGS



AFTER SEVERAL YEARS OF DECREASE, JUVENILE CRIME INCREASED BY 11% FROM 2021 TO 2022



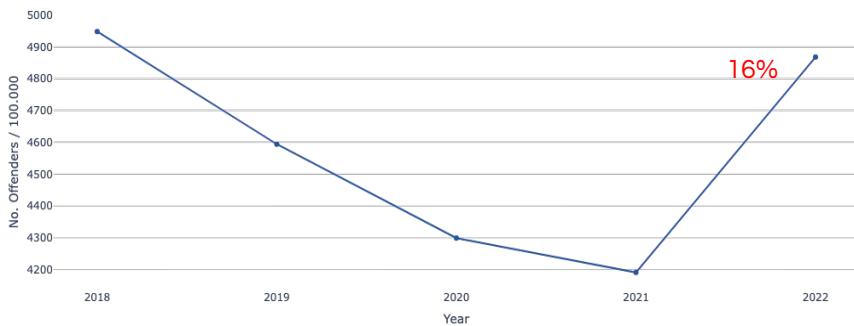
ABOUT 75% OF JUVENILE OFFENDERS ARE MALE



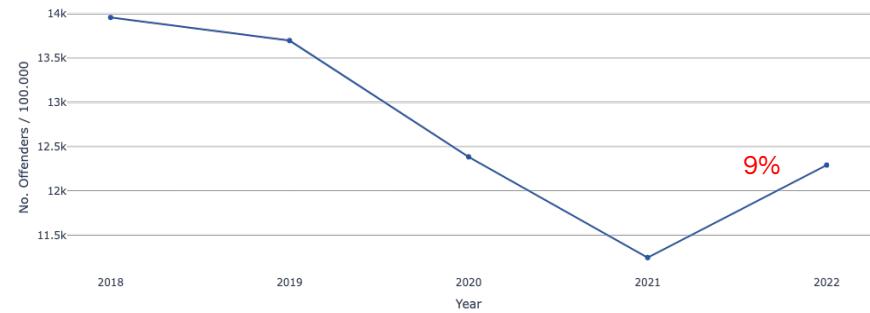
* Average 2018 - 2022

ESPECIALLY FEMALE JUVENILE OFFENDERS INCREASED CLEARLY

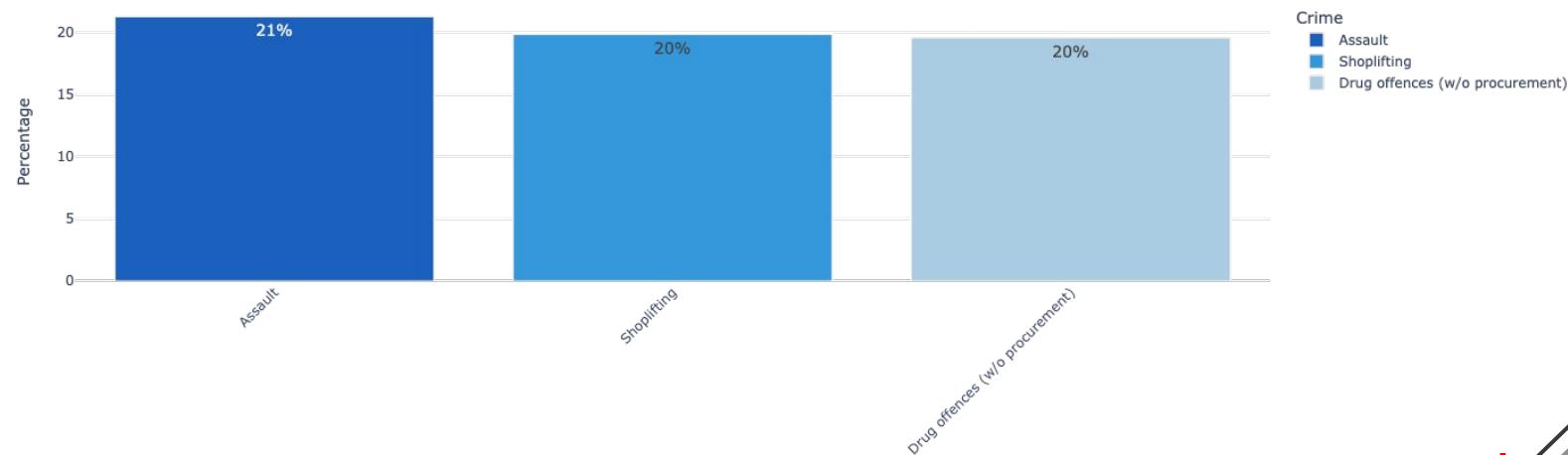
Female



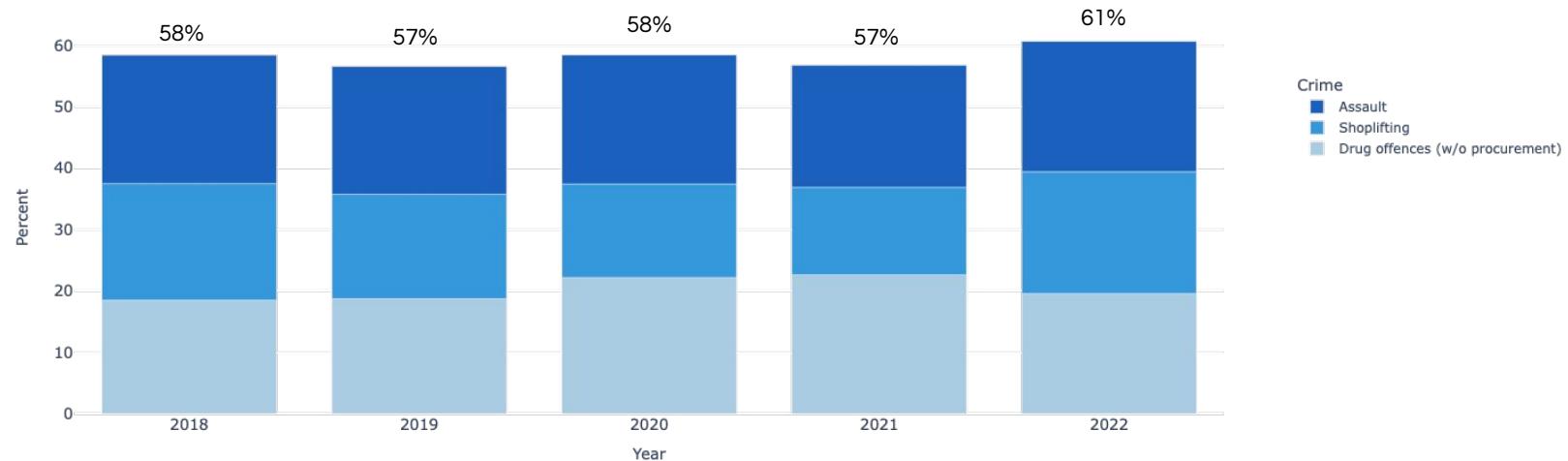
Male



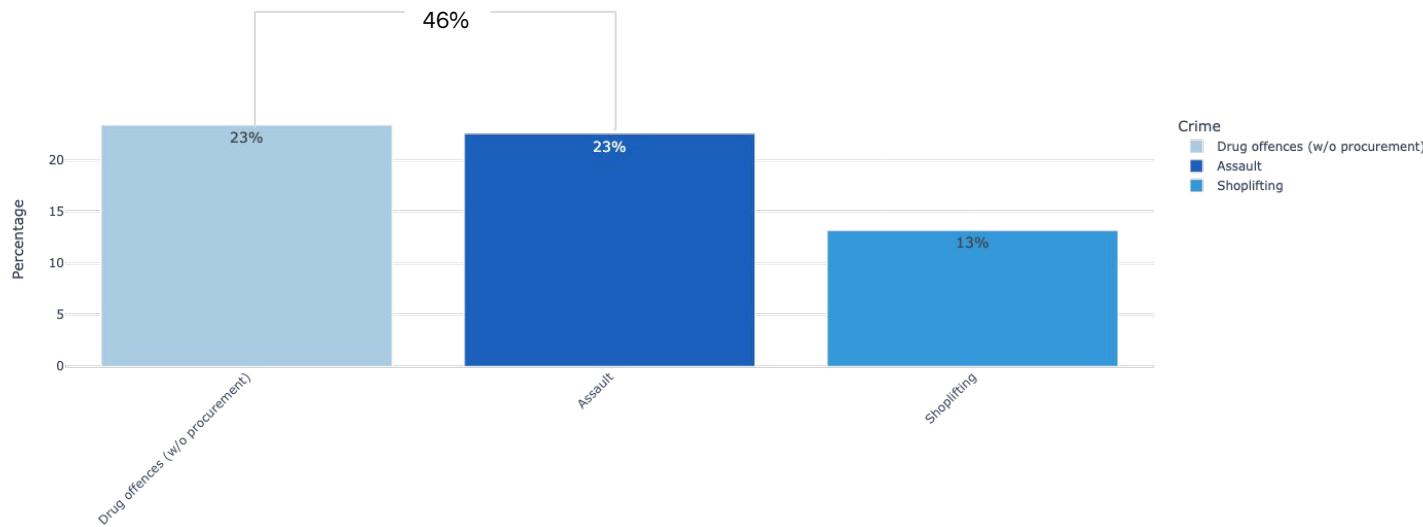
IN 2022 THE TOP THREE CRIMES ASSAULT, SHOPLIFTING, AND DRUG OFFENCES (W/O PROCUREMENT) ACCOUNT FOR 61% OF JUVENILE CRIME



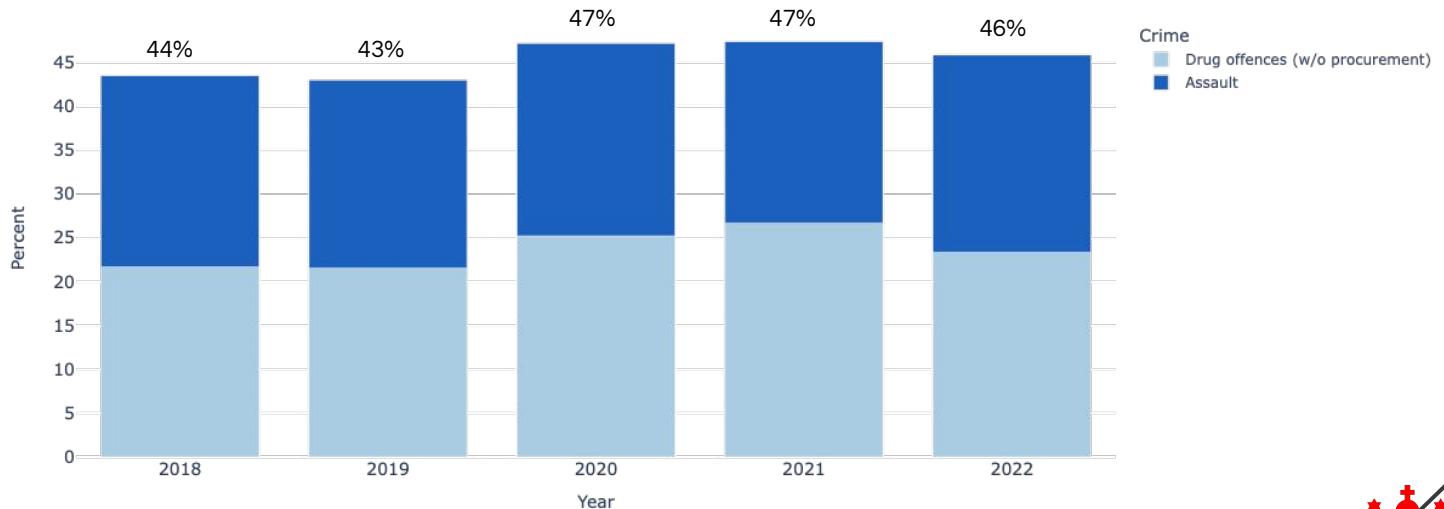
THE TOP THREE CRIMES REMAINED THE SAME OVER THE LAST FIVE YEARS,
ACCOUNTING FOR MORE THAN 55% OF JUVENILE CRIME



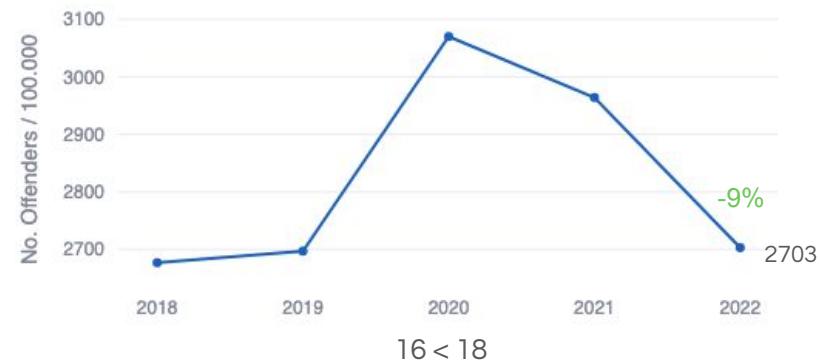
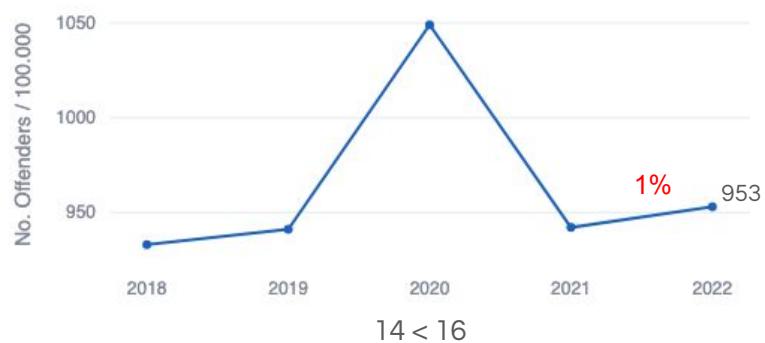
IN 2022 MALE OFFENDERS MOSTLY COMMITTED DRUG OFFENCES (W/O PROCUREMENT) AND ASSAULT



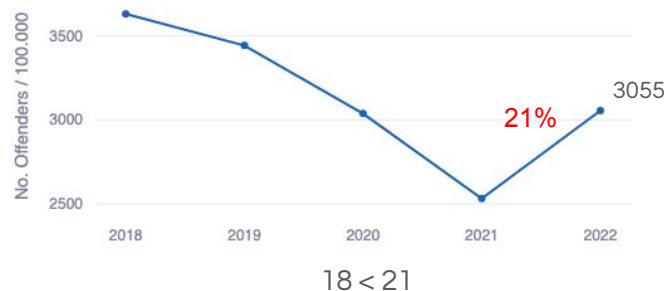
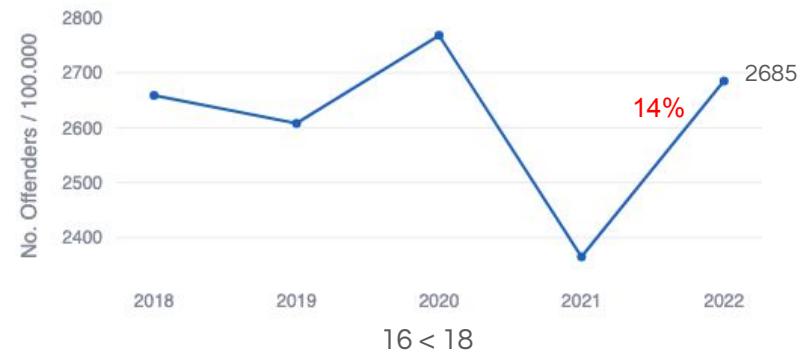
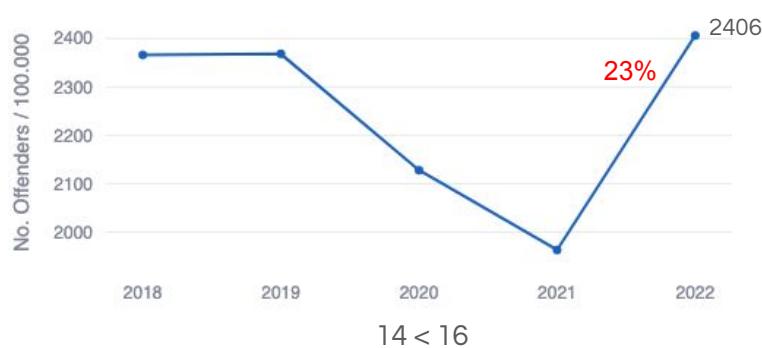
STABLE TREND OF MALE OFFENDERS MOSTLY COMMITTING DRUG OFFENCES (W/O PROCUREMENT) AND ASSAULT



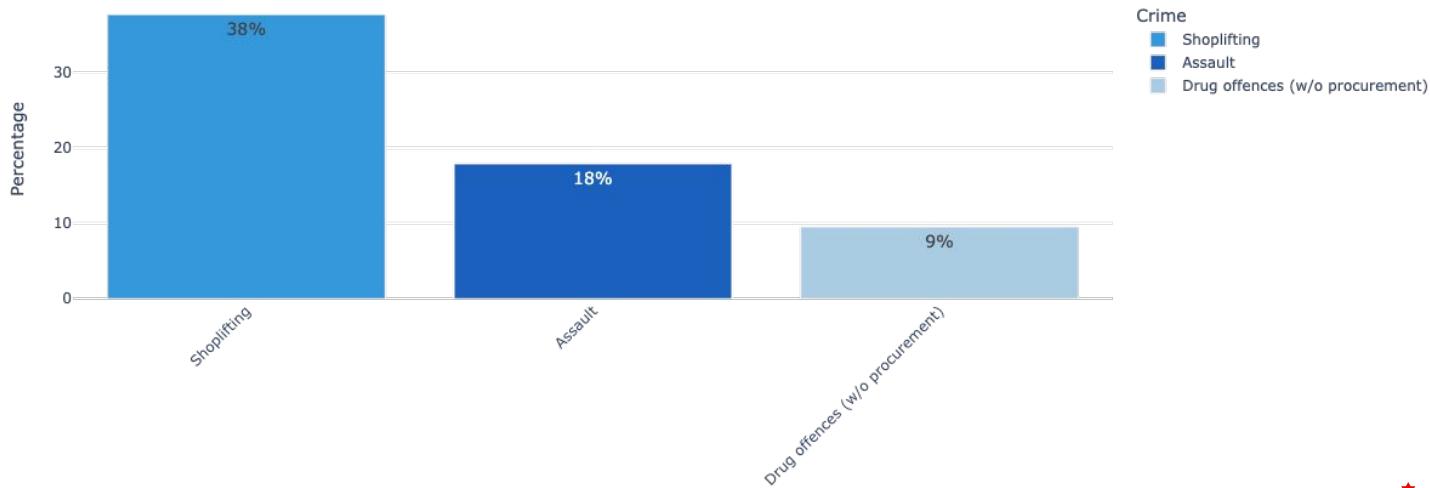
MORE DRUG OFFENCES (W/O PROCUREMENT) BY MALE OFFENDERS IN THE OLDER AGE GROUP; SLIGHT INCREASE IN THE YOUNGEST



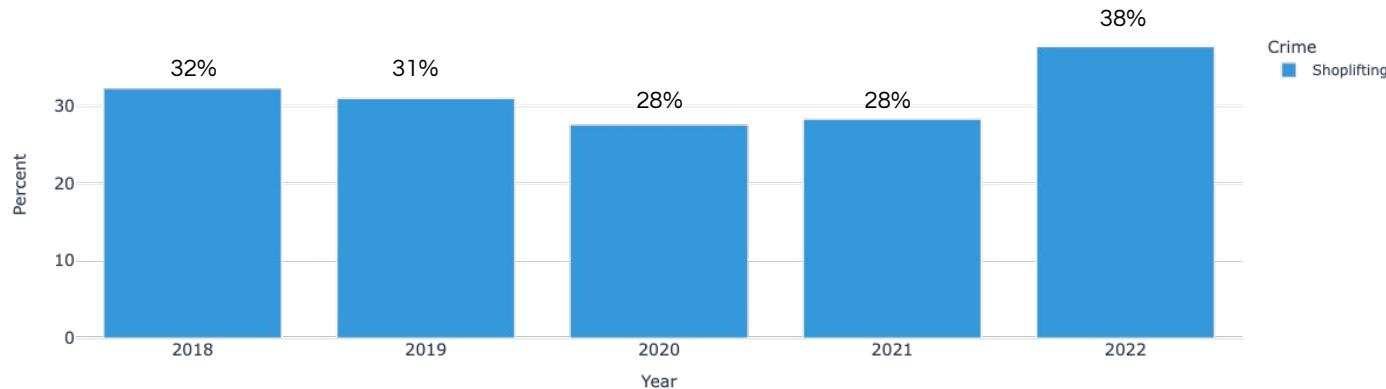
ASSAULT BY MALE OFFENDERS INCREASES WITH AGE; HOWEVER, THE NUMBERS ARE ALREADY REMARKABLE IN YOUNGER YEARS



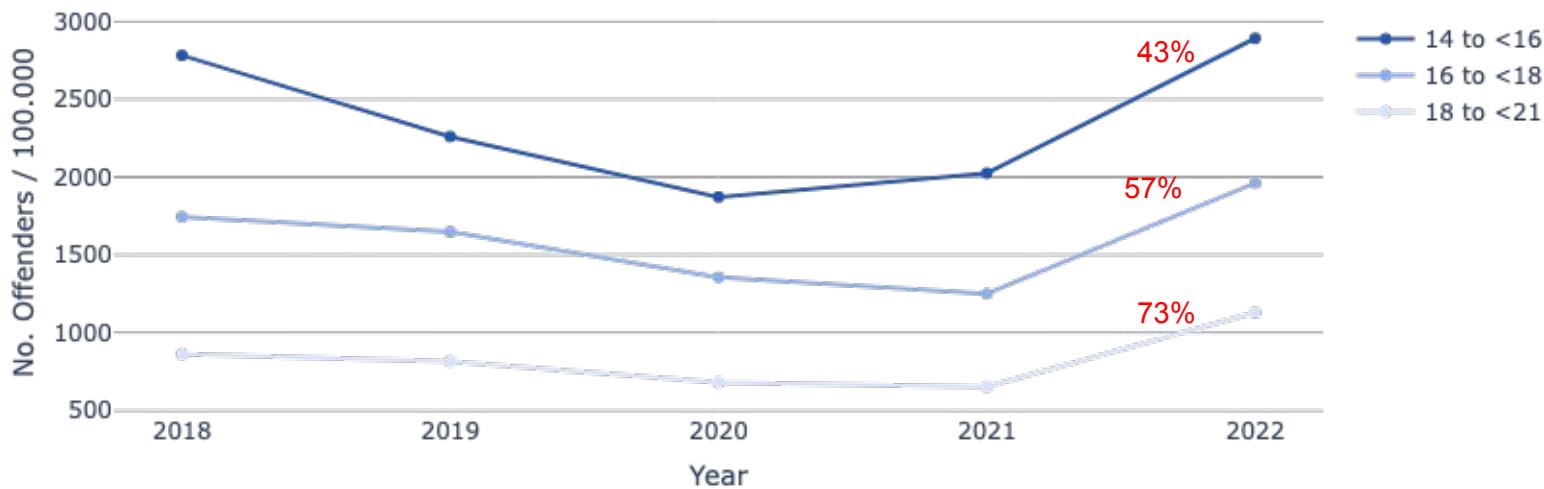
IN 2022 THE SHOPLIFTING RATE FOR FEMALE OFFENDERS IS REMARKABLY HIGH



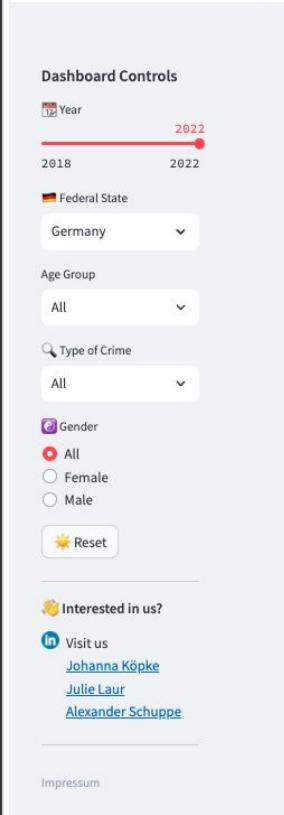
THE TREND OF FEMALE OFFENDERS PRIMARILY COMMITTING SHOPLIFTING CAN ALSO BE OBSERVED OVER THE LAST 5 YEARS



MORE FEMALE SHOPLIFTERS IN YOUNGER AGE; HOWEVER THE GROWTH RATE INCREASES IN OLDER AGE GROUPS



DASHBOARD



Offenders Relative Crime: All

Age: 14 to under 21 Gender: X Year: 2022



Choose what values to show in the map

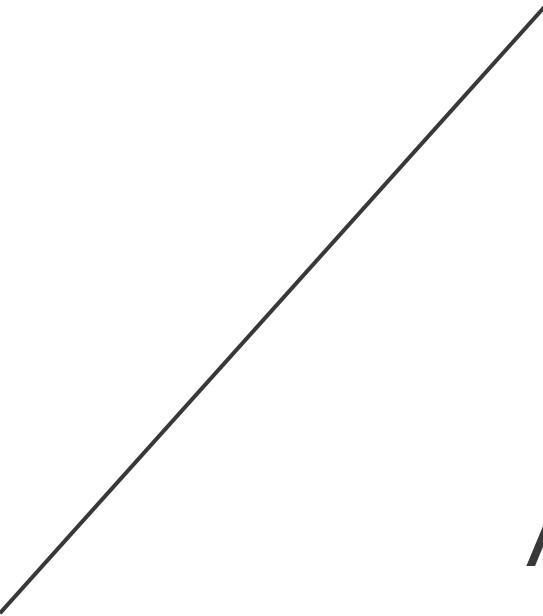
Relative Absolute

<https://crime-germany.streamlit.app/>



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APPENDIX

TOOLS AND TECHNOLOGIES

Python, esp. Pandas, SQLAlchemy, Plotly, and Streamlit

SQL, PostgreSQL, Azure



Google Docs Editors



VSCode



GitHub



SELECTED CRIMES

BKA

Schlüssel Crime German

Schlüssel	Crime German	Crime English
-----	Straftaten insgesamt	Total offences
100000	Straftaten gegen die sexuelle Selbstbestimmung insgesamt	Sexual offences
210000	Raub, räuberische Erpressung und räuberischer Angriff auf Kraftfahrer §§ 249-252, 255, 316a StGB	Robbery
220000	Körperverletzung §§ 223-227, 229, 231 StGB	Assault
232100	Freiheitsberaubung § 239 StGB	Deprivation of liberty
232200	Nötigung § 240 StGB	Coercion
435*00	Wohnungseinbruchdiebstahl §§ 244 Abs. 1 Nr. 3 und Abs. 4, 244a StGB	Residential burglary
*26*00	Ladendiebstahl insgesamt	Shoplifting
674000	Sachbeschädigung §§ 303-305a StGB	Damage to property
730000	Rauschgiftdelikte (soweit nicht bereits mit anderer Schlüsselzahl erfasst)	Drug offences (w/o procurement)
891100	direkte Beschaffungskriminalität	Drug procurement crime
010000,	Mord § 211 StGB, Totschlag § 212 StGB	Homicide
020010		

RELATIVE NUMBERS OF OFFENDERS

The relative numbers of offenders were calculated on the basis of the population figures in the respective age groups. The population figures of 31 December of the respective previous year (reporting date) were used.

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Dashboard Controls

Year

2022

2018 2022

Federal State

Germany

Age Group

All

Type of Crime

All

Gender

 All Female Male

Reset

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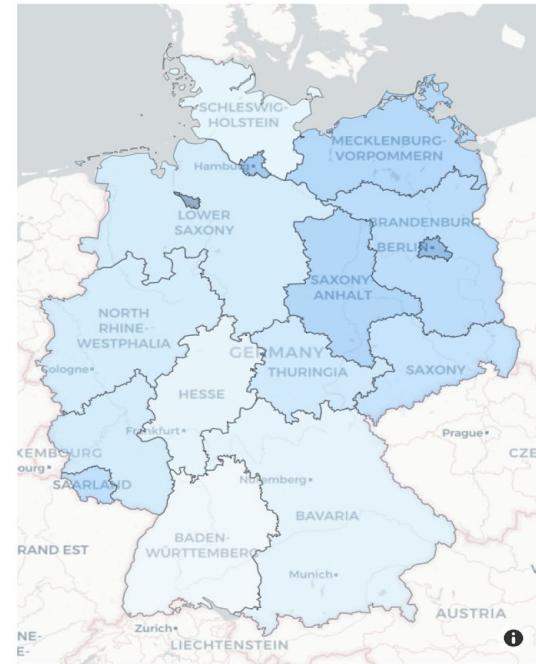
[Johanna Köpke](#)[Julie Laur](#)[Alexander Schuppe](#)

Juvenile Crime in Germany

Offenders Relative

Crime: All

Age: 14 to under 21 Gender: X Year: 2022

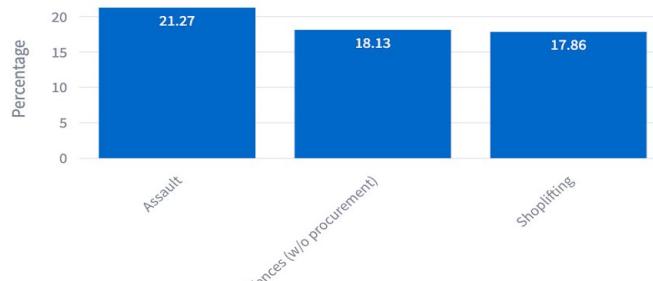


Choose what values to show in the map

 Relative Absolute

Top 3 Crimes in Germany

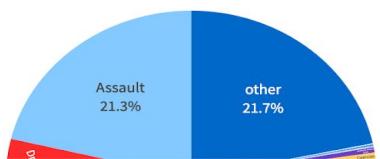
Age: 14 to under 21 Gender: X Year: 2022



Types of Crime

State: Germany

Age: 14 to under 21, Gender: X Year: 2022



- other
- Assault
- Drug offences (w/o procurement)
- Shoplifting
- Damage to property
- Sexual offences
- Robbery

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Dashboard Controls

Year

2022

2018

2022

 Federal State

Germany

Bayern

Berlin

Brander

Hamburg

Hessen

Mecklenburg V

 Reset

Juvenile Crime in Germany

Offenders Relative

Crime: Al

Age: 14 to under 21 Gender: X Year: 2022

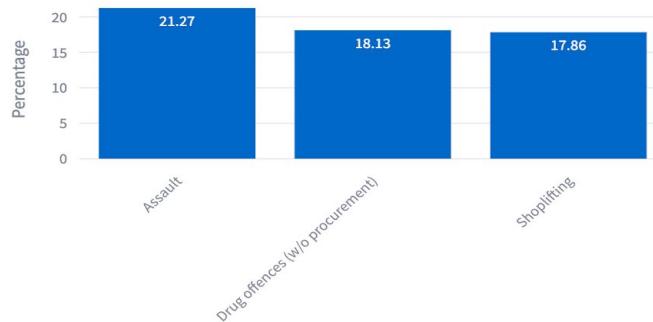


Choose what values to show in the map.

 Relative Absolute

Top 3 Crimes in Germany

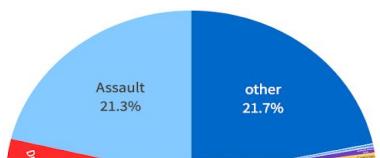
Age: 14 to under 21 Gender: X Year: 2022



Types of Crime

State: Germany

Age: 14 to under 21, Gender: X Year: 2022



- other
- Assault
- Drug offences (w/o procurement)
- Shoplifting
- Damage to property
- Sexual offences
- Robbery

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Dashboard Controls

Year

2022

2018

2022

Federal State

Hamburg

Age Group

All

Type of Crime

All

Gender

 All Female Male

Reset

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Juvenile Crime in Germany

Offenders Relative

Crime: All

Age: 14 to under 21 Gender: X Year: 2022

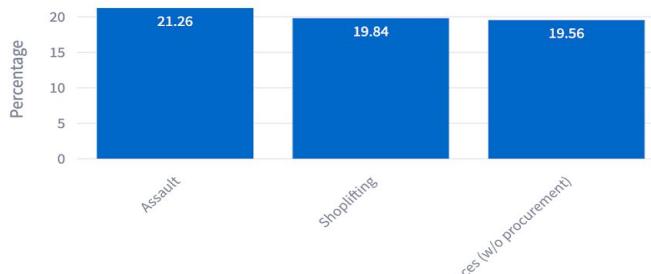


Choose what values to show in the map

 Relative Absolute

Top 3 Crimes in Hamburg

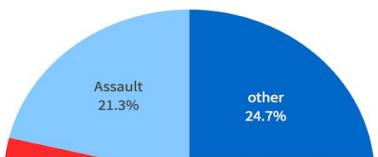
Age: 14 to under 21 Gender: X Year: 2022



Types of Crime

State: Hamburg

Age: 14 to under 21, Gender: X Year: 2022



- other
- Assault
- Shoplifting
- Drug offences (w/o procurement)
- Damage to property
- Sexual offences
- Robbery

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown menu)

Age Group: All (Dropdown menu)

Type of Crime: All (Dropdown menu)

Gender: All (Radio button)

Female (Radio button)

Male (Radio button)

Reset (Button)

Overview of Years

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: All
Age: 14 to under 21, Gender: X

Year	Growth Rate (%)
2018	n.a.
2019	-4.84
2020	-9.13
2021	-7.81
2022	11.03

Growth Rates in %

Relative

State: Hamburg, Year: 2022, Crime: All
Age: 14 to under 21, Gender: X

Year	Growth Rate (%)
2018	n.a.
2019	-3.4
2020	-9.0
2021	-7.58
2022	10.91

No. Offenders

Year	No. Offenders
2018	11k
2019	10.8k
2020	9.8k
2021	9.2k
2022	10k

No. Offenders / 100,000

Year	No. Offenders / 100,000
2018	9.5k
2019	9.2k
2020	8.5k
2021	8k
2022	8.6k

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown)

Age Group: All (Dropdown)

Type of Crime: All (Dropdown)

Gender: Male (Radio button)

Reset

Juvenile Crime in Germany

Offenders Relative

Crime: All
Age: 14 to under 21 Gender: M Year: 2022

Map of Germany showing juvenile crime offenders relative by state. A color scale bar on the right indicates values from 9k to 15k.

Choose what values to show in the map
 Relative Absolute

Crime Type	Percentage
Drug offences (w/o procurement)	23.35
Assault	22.53
Shoplifting	13.15

Top 3 Crimes in Hamburg

Age: 14 to under 21 Gender: M Year: 2022

Types of Crime

State: Hamburg
Age: 14 to under 21, Gender: M Year: 2022

Donut chart showing the distribution of crime types in Hamburg:

Crime Type	Percentage
Drug offences (w/o procurement)	23.4%
other	22.8%

Legend:

- Drug offences (w/o procurement)
- other
- Assault
- Shoplifting
- Damage to property
- Sexual offences
- Robbery

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Dashboard Controls



2022

2018

2022



Hamburg

Age Group

All



Type of Crime

All



All

Female

Male



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Juvenile Crime in Germany

Offenders Relative

Crime: All

Age: 14 to under 21 Gender: F Year: 2022

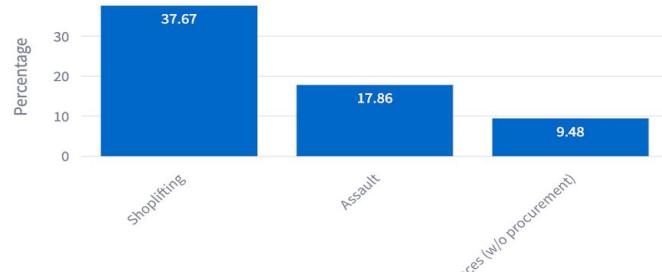


Choose what values to show in the map

 Relative Absolute

Top 3 Crimes in Hamburg

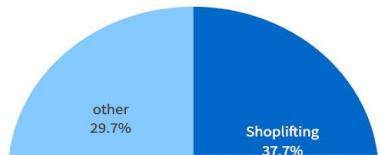
Age: 14 to under 21 Gender: F Year: 2022



Types of Crime

State: Hamburg

Age: 14 to under 21, Gender: F Year: 2022



- Shoplifting
- other
- Assault
- Drug offences (w/o procurement)
- Damage to property
- Sexual offences
- Robbery

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown)

Age Group: All (Dropdown)

Type of Crime: All (Dropdown)

Deprivation of liberty

Coercion

Residential burglary

Shoplifting

Robbery

Drug offences (w/o procurement)

Drug procurement

Damage to property

Damage to persons

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Juvenile Crime in Germany

Offenders Relative

Crime: All

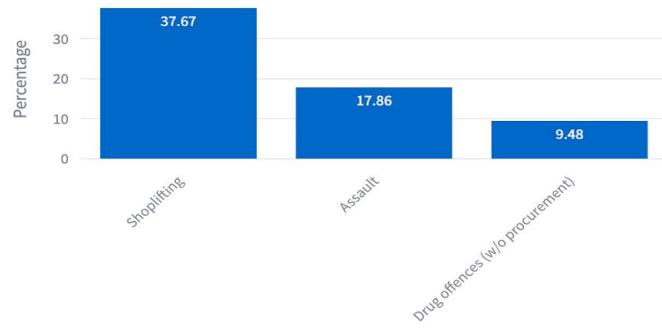
Age: 14 to under 21 Gender: F Year: 2022

Map of Germany showing juvenile crime counts by state. A color scale bar on the right indicates values from 3000 to 5500.

Choose what values to show in the map
 Relative Absolute

Top 3 Crimes in Hamburg

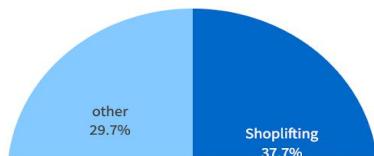
Age: 14 to under 21 Gender: F Year: 2022



Types of Crime

State: Hamburg

Age: 14 to under 21, Gender: F Year: 2022



- Shoplifting
- other
- Assault
- Drug offences (w/o procurement)
- Damage to property
- Sexual offences
- Robbery

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown: Hamburg, Berlin, Brandenburg, etc.)

Age Group: All (Dropdown: All, 14 to under 21, 14 to under 18, 14 to under 14)

Type of Crime: Shoplifting (Search input: Shoplifting, Burglary, etc.)

Gender: Female (Radio button)

Reset

Overview of Years

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 21, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-11.72
2020	-16.57
2021	0
2022	55.54

Growth Rates in %

Relative

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 21, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-10.84
2020	-16.8
2021	0.17
2022	54.77

Year	No. Offenders
2018	900
2019	800
2020	650
2021	650
2022	1050

Year	No. Offenders / 100,000
2018	1600
2019	1450
2020	1200
2021	1200
2022	1800

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown: All, Hamburg, 14 to <16, 16 to <18, 18 to <21, Female, Male)

Age Group: All (Selected), 14 to <16, 16 to <18, 18 to <21, Female, Male

Reset

Overview of Years

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 21, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-11.72
2020	-16.57
2021	0
2022	55.54

Growth Rates in %

Relative

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 21, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-10.84
2020	-16.8
2021	0.17
2022	54.77

Year	No. Offenders
2018	900
2019	800
2020	650
2021	650
2022	1050

Year	No. Offenders / 100,000
2018	1600
2019	1450
2020	1200
2021	1200
2022	1800

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown)

Age Group: 14 to <16 (Dropdown)

Type of Crime: Shoplifting (Dropdown)

Gender: Female (Radio button)

Reset

Overview of Years

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 16, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-17.61
2020	-15.35
2021	8.19
2022	43.75

Growth Rates in %

Relative

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 16, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-18.75
2020	-17.16
2021	8.17
2022	42.77

Year	No. Offenders
2018	405
2019	330
2020	285
2021	300
2022	440

Year	No. Offenders / 100,000
2018	2650
2019	2200
2020	1950
2021	2050
2022	2750

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown menu: Hamburg, All, 14 to <16, 16 to <18, 18 to <21, Female, Male)

Age Group: 14 to <16 (Selected in dropdown menu)

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 16, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-17.61
2020	-15.35
2021	8.19
2022	43.75

Relative

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 14 to under 16, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-18.75
2020	-17.16
2021	8.17
2022	42.77

No. Offenders

Year	No. Offenders
2018	400
2019	330
2020	280
2021	300
2022	440

No. Offenders / 100,000

Year	No. Offenders / 100,000
2018	2700
2019	2200
2020	1900
2021	2000
2022	3400

Overview of Years

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown)

Age Group: 16 to <18 (Dropdown)

Type of Crime: Shoplifting (Dropdown)

Gender: Female (Radio button)

Reset

Overview of Years

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 16 to under 18, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-6.45
2020	-17.88
2021	-6.92
2022	59.57

Growth Rates in %

Relative

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 16 to under 18, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-5.55
2020	-17.71
2021	-7.73
2022	56.83

No. Offenders

Year

No. Offenders / 100,000

Year

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown menu)

Age Group: 16 to <18 (Selected) (Dropdown menu: All, 14 to <16, 16 to <18, 18 to <21, Female, Male)

Gender: Female (Radio button)

Male (Radio button)

Reset (Button)

Overview of Years

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 16 to under 18, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-6.45
2020	-17.88
2021	-6.92
2022	59.57

Growth Rates in %

Relative

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 16 to under 18, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-5.55
2020	-17.71
2021	-7.73
2022	56.83

Year	No. Offenders
2018	260
2019	245
2020	200
2021	195
2022	300

Year	No. Offenders / 100,000
2018	1750
2019	1650
2020	1350
2021	1250
2022	1950

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Dashboard Controls

Year: 2022 (Slider from 2018 to 2022)

Federal State: Hamburg (Dropdown)

Age Group: 18 to <21 (Dropdown)

Type of Crime: Shoplifting (Dropdown)

Gender: Female (Radio button)

Reset

Overview of Years

Growth Rates in %

Absolute

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 18 to under 21, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-7.41
2020	-16.97
2021	-5.1
2022	72.46

Growth Rates in %

Relative

State: Hamburg, Year: 2022, Crime: Shoplifting
Age: 18 to under 21, Gender: F

Year	Growth Rate (%)
2018	n.a.
2019	-5.32
2020	-16.51
2021	-4.24
2022	73.05

No. Offenders

Year

No. Offenders / 100,000

Year

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