Drug deaths and crimes per year
In Washington State

Created by:
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George Garcia
UW INFO 201 FALL 2023

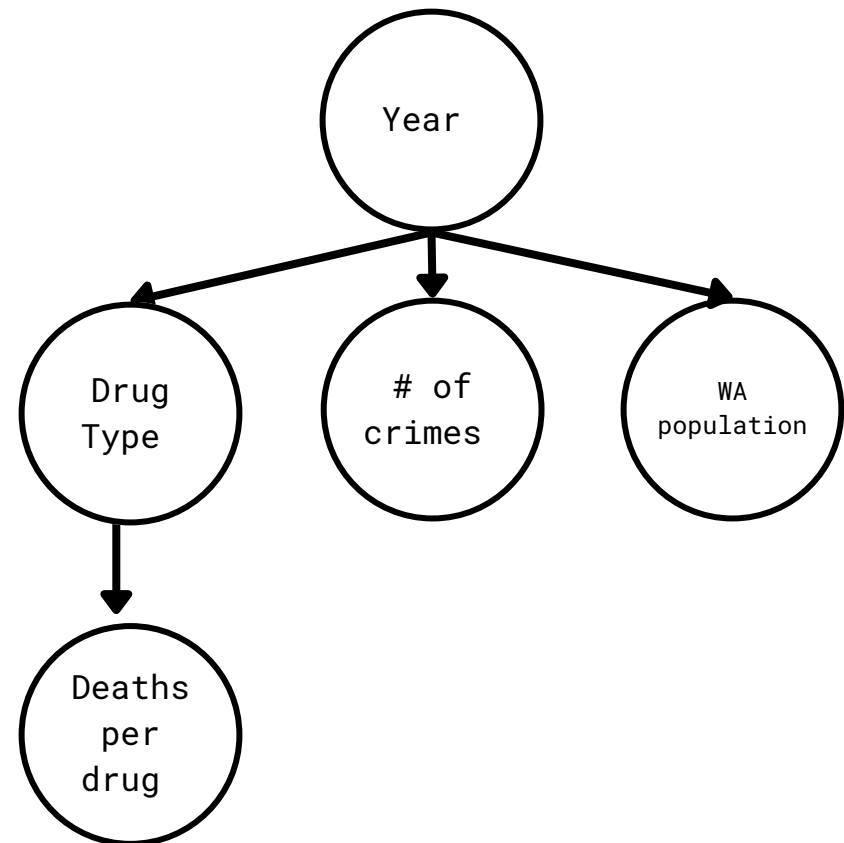## About

This dataset is a conjoined data set marking out the drug crimes and drug deaths per drug in Washington State.

Use Cases

Potential real-world applications

- How many people have had a drug overdose in a given year?
- How many crimes have been committed in a given year?
- Is there a specific correlation between crimes committed and drug overdoses or vice versa?
- Did the legalization of cannabis in 2012 have any affect on the rate of overdoses and the crime rate?
- What narcotics have people overdosed to the most each year?

Who is here?

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Dataset Composition

- What do the instances that comprise the dataset represent
  - Each instance represents the drug type, overdoses, crimes and population per year in the State of Washington.
- How many instances are there in total?
  - There are 130 instances in total
- Does the dataset contain all possible instances?
  - The dataset does not contain all possible instances, as there were instances of one dataset that did not have a corresponding instance in the other when we merged. Or the dataset had data pertaining to crimes that are irrelevant to the questions being asked.
- What data does each instance consist of?
  - Year, Crimes, Drug Type, Number of Overdoses, Age ASdjusted Rate, Population
- Is there a label or target associated with each instance?
  - Our label is the year and drug type.
- Is any information missing from individual instances?
  - We're missing specific types of crime types (possession, intent to distribute, manufacturing, etc.)
- Are relationships between individual instances made explicit?
  - Yes
- Are there recommended data splits?
  -

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Dataset Composition cont.

- Are there any errors, sources of noise, or redundancies in the dataset?
  - The age_adj_rate is unnecessary noise and was accidentally kept. There's a lot of redundancies with the population and crimes per year being kept as we separated the drug overdoses by drug type.
- Is the dataset self-contained, or does it link to or otherwise rely on external resources?
  - Between the years of 2008-2020 the data is self-contained.
- Does the dataset contain data that might be considered confidential?
  - No, everything is publicly sourced.
- Does the dataset contain data that, if viewed directly, might be offensive, insulting, threatening, or might otherwise cause anxiety?
  - Yes, our data has to do with crimes and deaths related to drugs and other narcotics, which may induce anxiety depending on the person viewing it.
- Does the dataset identify any subpopulations?
  - No
- Is it possible to identify individuals?
  - No
- Does the dataset contain data that might be considered sensitive in any way?
  - No

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Dataset Collection

- How was the data associated with each instance acquired?
  - The data associated with the drug-related crimes committed each year was acquired from the Seattle Police Department's yearly reports.
  - The data associated with drug-related deaths was acquired from the Washington State Department of Health.
- What mechanisms or procedures were used to collect the data?
  - We navigated to their respective websites and downloaded the data as csv.
- If the dataset is a sample from a larger set, what was the sampling strategy?
  - We took the respective datasets and determined what data could be combined between the two (As some years were not collected for one dataset), we then sampled our data by grabbing only the crimes committed related to drugs.
- Who was involved in the data collection process and how were they compensated?
  - Nobody was involved.
- Over what timeframe was the data collected?
  - 1-2 weeks?
- Were any ethical review processes conducted?
  - No
- Did you collect the data from the individuals in question directly, or obtain it via third parties or other sources?
  - Collected straight from the government
- Were the individuals in question notified about the data collection?
  - No

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Dataset Collection cont.

- Were the individuals in question notified about the data collection?
  - No
- Did the individuals in question consent to the collection and use of their data?
  - It's publicly available
- If consent was obtained, were the consenting individuals provided with a mechanism to revoke their consent in the future or for certain uses?
  - N/A
- Has an analysis of the potential impact of the dataset and its use on data subjects been conducted?
  - No

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Dataset processing

- Was any preprocessing/cleaning/labeling of the data done?
  - Yes
- Was the "raw" data saved in addition to the preprocessed/cleaned/labeled data?
  - Yes
- Is the software that was used to preprocess/clean/label the data available?
  - Yes

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Dataset Use

- Has the dataset been used for any tasks already?
  - No
- Is there a repository that links to any or all papers or systems that use the dataset?
  - No
- What other tasks could the dataset be used for?
  - Identifying drug deaths per year compared to population growth
- Is there anything about the composition of the dataset or the way it was collected and preprocessed/cleaned/labeled that might impact future uses?
  - Yes, as we only managed to collect crime data for the city of Seattle and not the entire state of Washington
- Are there tasks for which the dataset should not be used?
  - Identifying general crime increase year over year (as we only sampled drug related crimes)

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Dataset Distribution

- Will the dataset be distributed to third parties outside of the entity on behalf of which the dataset was created?
    - No
- How will the dataset be distributed?
    - No
- When will the dataset be distributed?
    - No
- Will the dataset be distributed under a copyright or other intellectual property (IP) license, and/or under applicable terms of use (ToU)?
    - No
- Have any third parties imposed IP-based or other restrictions on the data associated with the instances?
    - No
- Do any export controls or other regulatory restrictions apply to the dataset or to individual instances?
    - No

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Dataset Maintenance

- Who will be supporting/hosting/maintaining the dataset?
  - George and Efrain
- How can the owner/curator/manager of the dataset be contacted?
  - emore@uw.edu
- Is there an erratum?
  - No
- When will the dataset be distributed?
  - December 2023
- Will the dataset be updated?
  - No
- If the dataset relates to people, are there applicable limits on the retention of the data associated with the instances?
  - No
- Will older versions of the dataset continue to be supported/hosted/maintained?
  - No
- If others want to extend/augment/build on/contribute to the dataset, is there a mechanism for them to do so?
  - They can download the data set