

# Price of Drugs Across The United States of America

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# Outline

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# Introduction

## Aim of the Study

- Building the model
- Searching for data
- What we should consider?
- Why cocaine?

# Introduction

## Aim of the Study



- The Price of Drugs in The US varies between regions
- Major Factors - Social, Economic, Political, Environmental and Judicial

# Data Description

## The Factors

- Age
- Gender (Sex Ratio)
- Race
- Population
- Per Capita Income

# Data Description

## The Factors

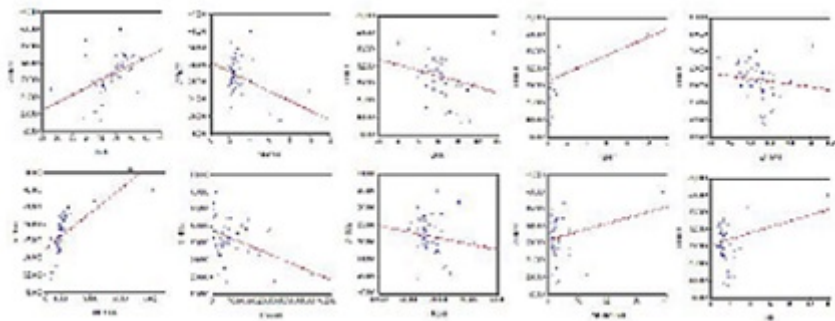
- Climate
- Immigration
- Prostitution
- Police Presence
- Cigarette Consumption
- Alcohol Consumption

# Data Sources

- Governmental Sources
- High disponibility
- High reliability

# Data Analysis

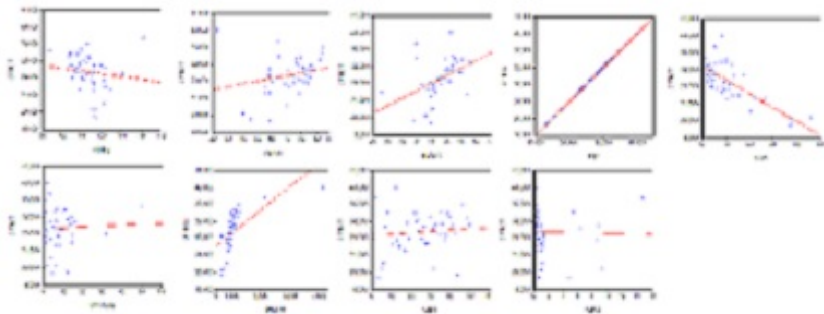
## Graphs





# Data Analysis

## Graphs



# Conclusions

## PRICE INCREASE

- Age
- Alcohol
- Temperature
- Marijuana
- Immigration
- African American
- Hispanic

# Conclusions

## PRICE DECREASE

- Cigarette
- Police Presence
- Prostitution
- Population
- Hawaiian

# Conclusions

Variables that do not affect the model:

- Race - Native American
- Race - Mixed Race
- Race - Asian
- Race - Non Hispanic White  $Y =$   
 $B_1X_1 + B_2X_2 + B_3X_3 + B_4X_4 + B_5X_5 + B_6X_6 + B_7X_7 +$   
 $+ B_8X_8 + B_9X_9 + B_{10}X_{10} + B_{11}X_{11} + B_{12}X_{12} + U$

## Further Studies

- Expand and improve the model with other variables
- Understand validity including time dimension
- Submodels for certain categories of states
- State classification/sorting model
- Extend the model to Europe

Thank you for your attention! Questions?