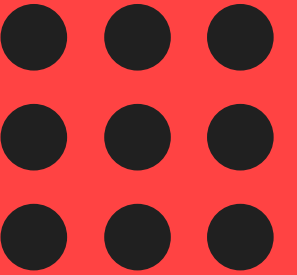


SEPTEMBER 13, 2019

DECRIMINALIZATION IN EUROPE

Statistics about the effects of decriminalization and outlook to
facettes of partial legalization





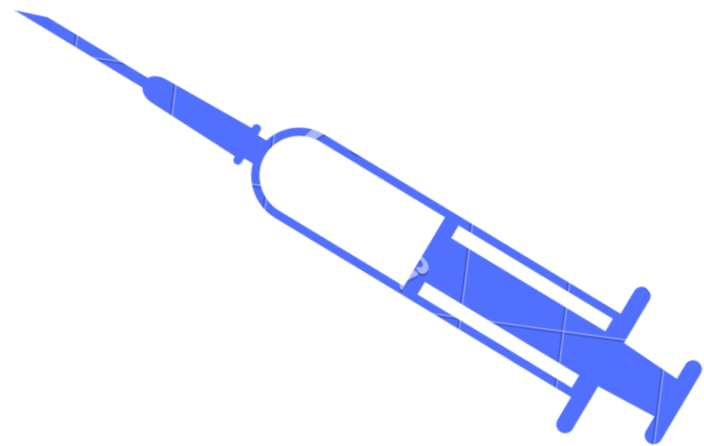
Main Questions

**How do decriminalization policies
affect drug related deaths and
crime?**



Main Questions

**How do decriminalization policies
affect drug related deaths and
crime?**



**How much tax revenue could
European states make via
legalization of cannabis?**





Datasets and Sources

Used in the analysis



EUROSTATS ON DEATH RATES

2 Datasets including alcohol and drug related deaths

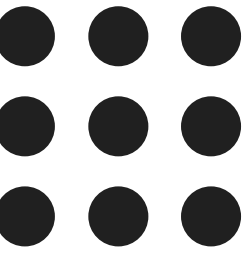
EUROSTATS ON CRIMES

Dataset including drug crimes

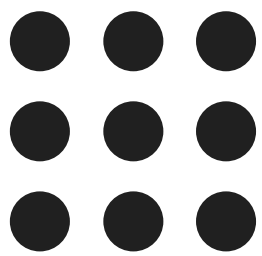
RESEARCH ON CANNABIS TAX REVENUE

Colorado Tax return website and others

How do decriminalization policies affect drug related deaths and crime?

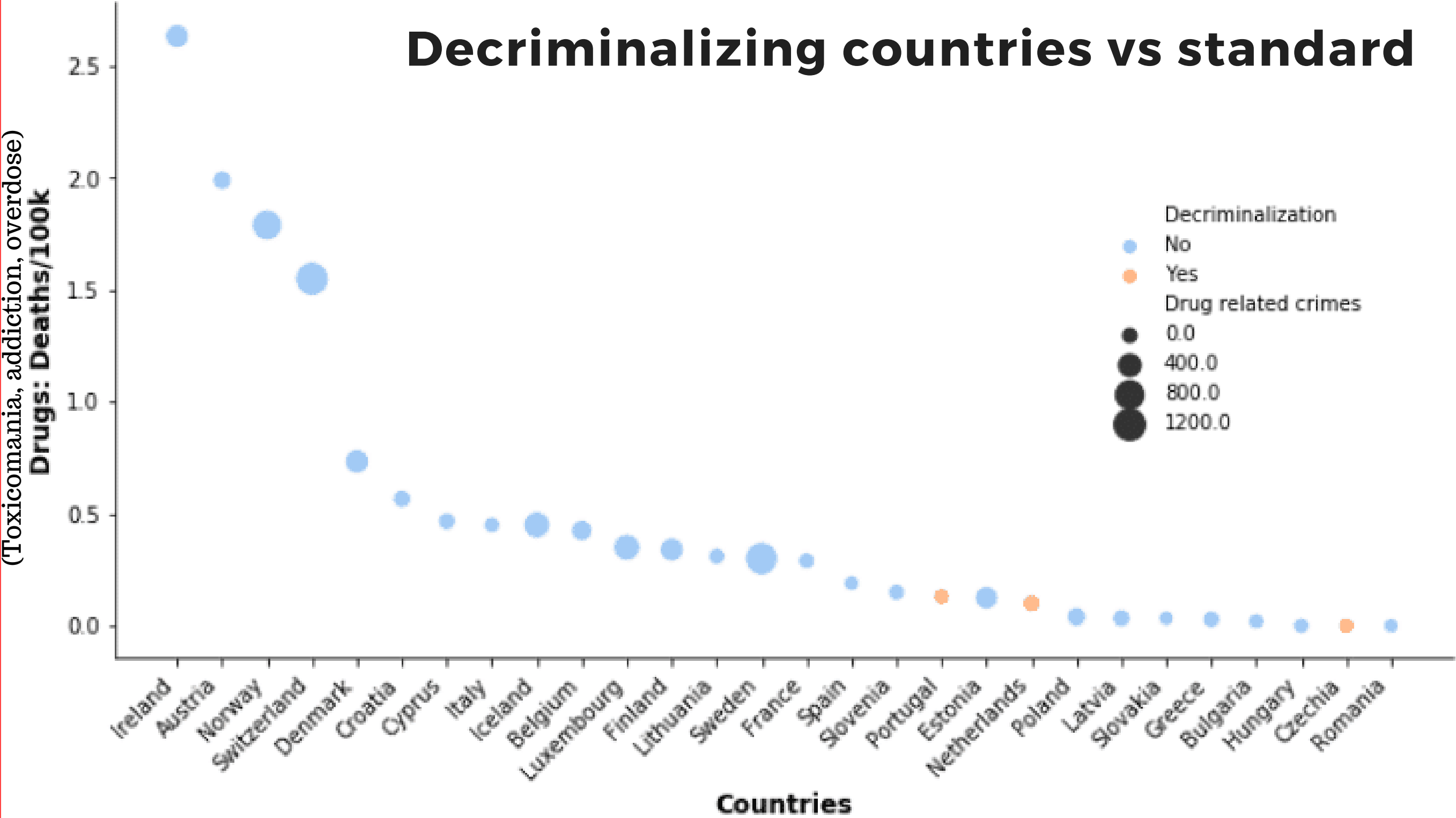


How do decriminalization policies affect drug related deaths and crime?

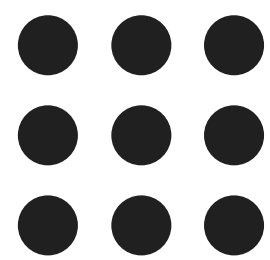


Comparison:

Decriminalizing countries vs standard



How do decriminalization policies affect drug related deaths and crime?

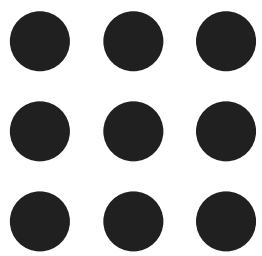


Correlation table:

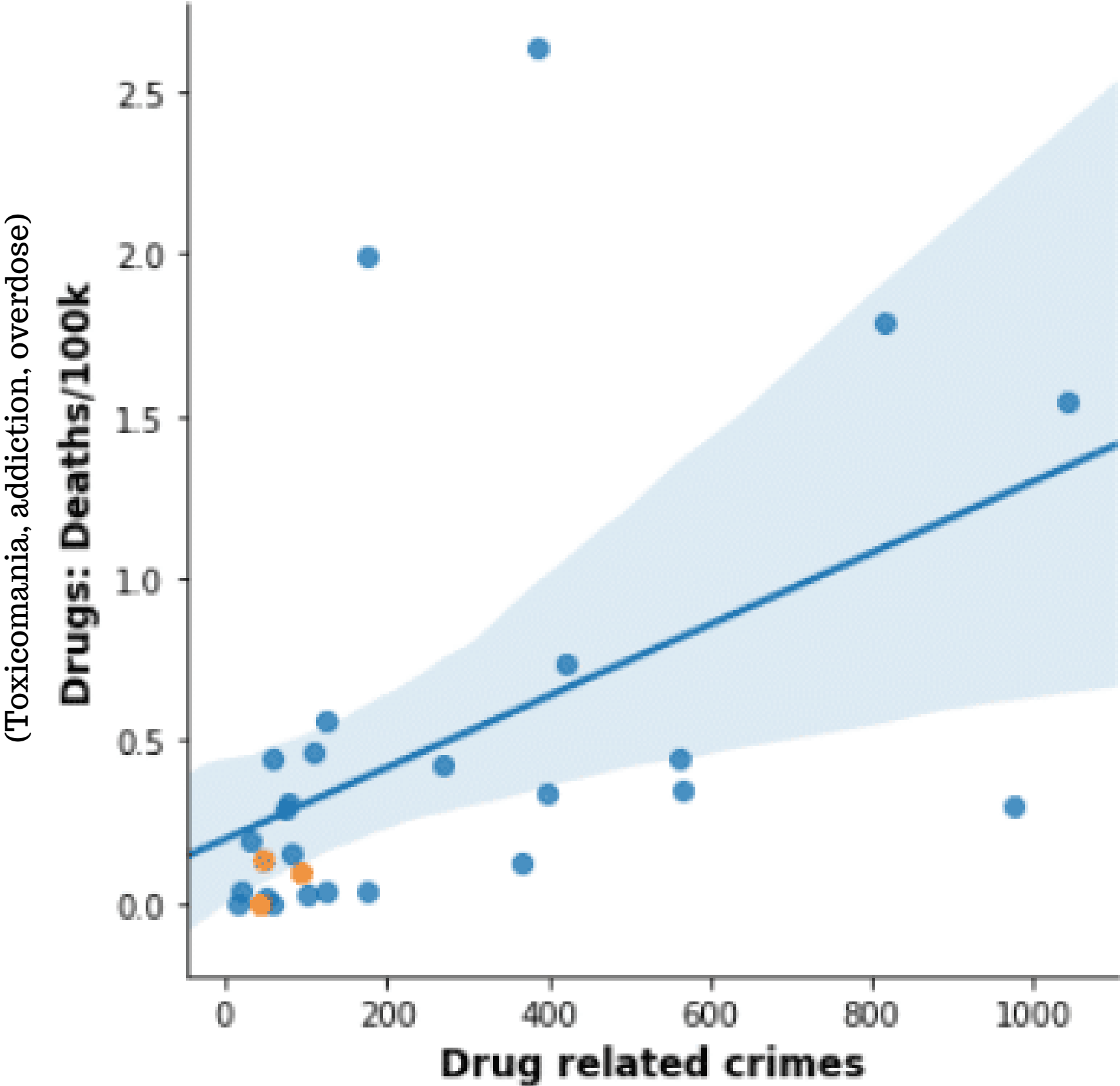
(Toxicomania, addiction, overdose)

	Drugs: Deaths/100k	Alcohol: Deaths/100k	Drug related crimes	Decr.: 0 or 1
Drugs: Deaths/100k	1	0.11	0.48	0.21
Alcohol: Deaths/100k	0.11	1	0.27	0.23
Drug related crimes	0.48	0.27	1	0.24
Decr.: 0 or 1	0.21	0.23	0.24	1

How do decriminalization policies affect drug related deaths and crime?

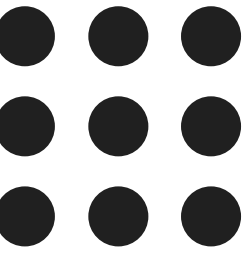


Drug crimes vs. drug deaths



	Drugs: Deaths/100k	Alcohol: Deaths/100k	Drug related crimes	Decr.: 0 or 1
Drugs: Deaths/100k	1	0.11	0.48	0.21
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Drug related crimes	0.48	0.27	1	0.24
Decr.: 0 or 1	0.21	0.23	0.24	1

How do decriminalization policies affect drug related deaths and crime?



Conclusion:

- **Drug deaths and drug crimes correlate (Who would have thought?)**
- **Countries with decriminalization policies have lower drug deaths and crimes than European mean**
- **But this only shows a tendency because the stats are not that much better to be representative with only 3 countries**

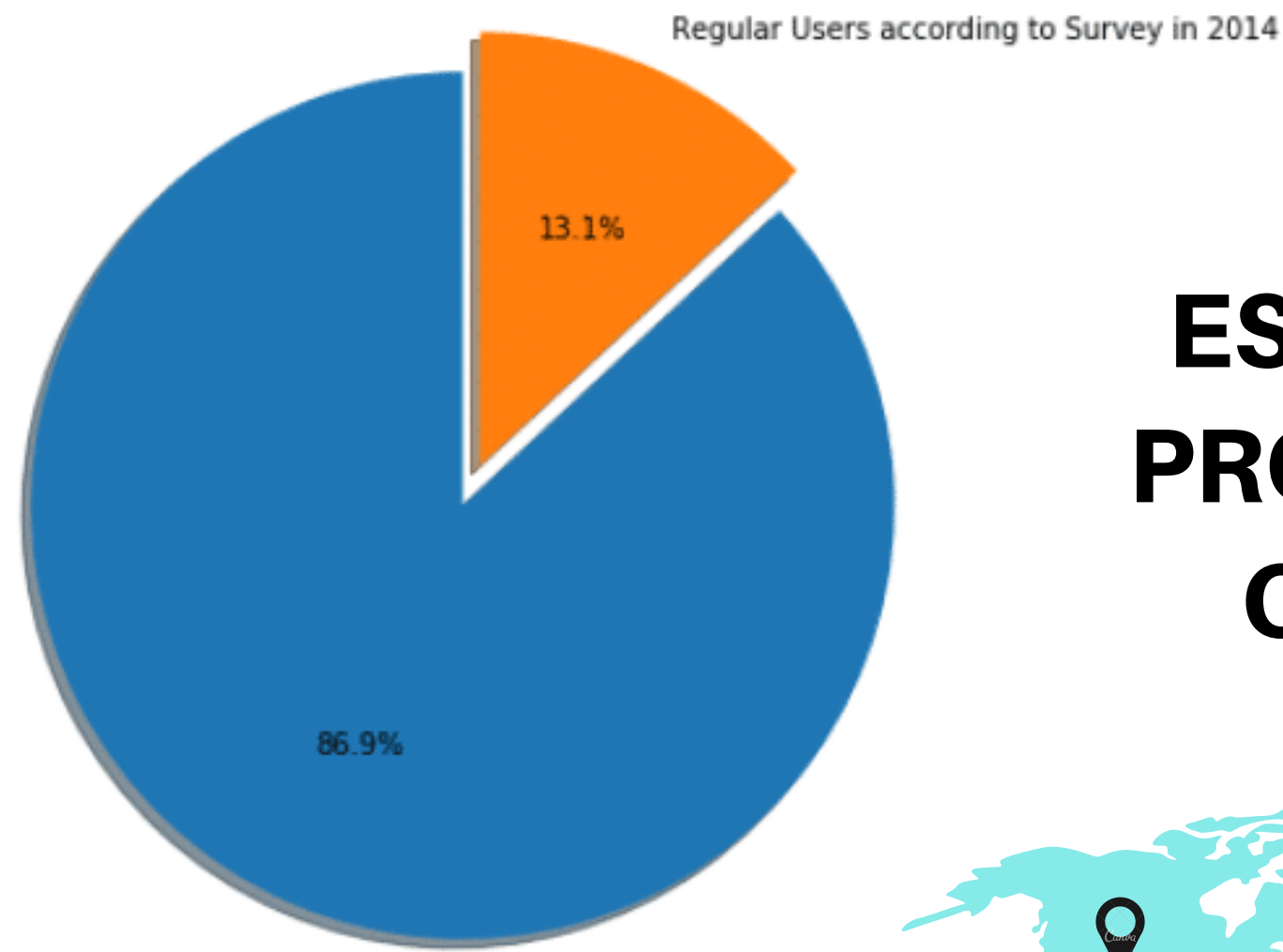
How much tax revenue could **Germany** make via legalization of cannabis?

Based on the tax rates and tax revenues of Colorado (Recreational legalization 2014)



ESTIMATE FOR PROPORTION OF CONSUMERS



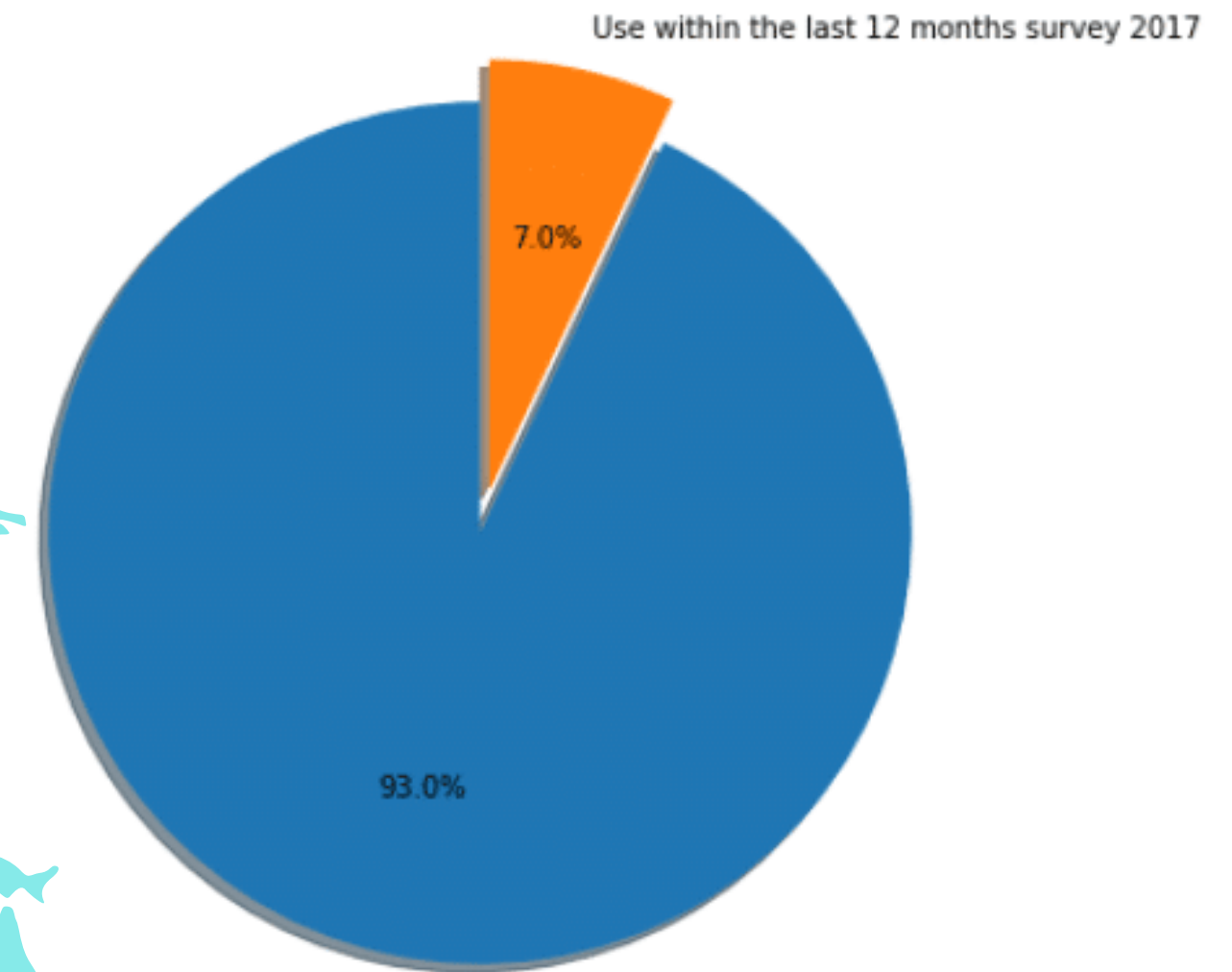


**SURVEY:
MARIJUANA USERS IN
COLORADO 2014**

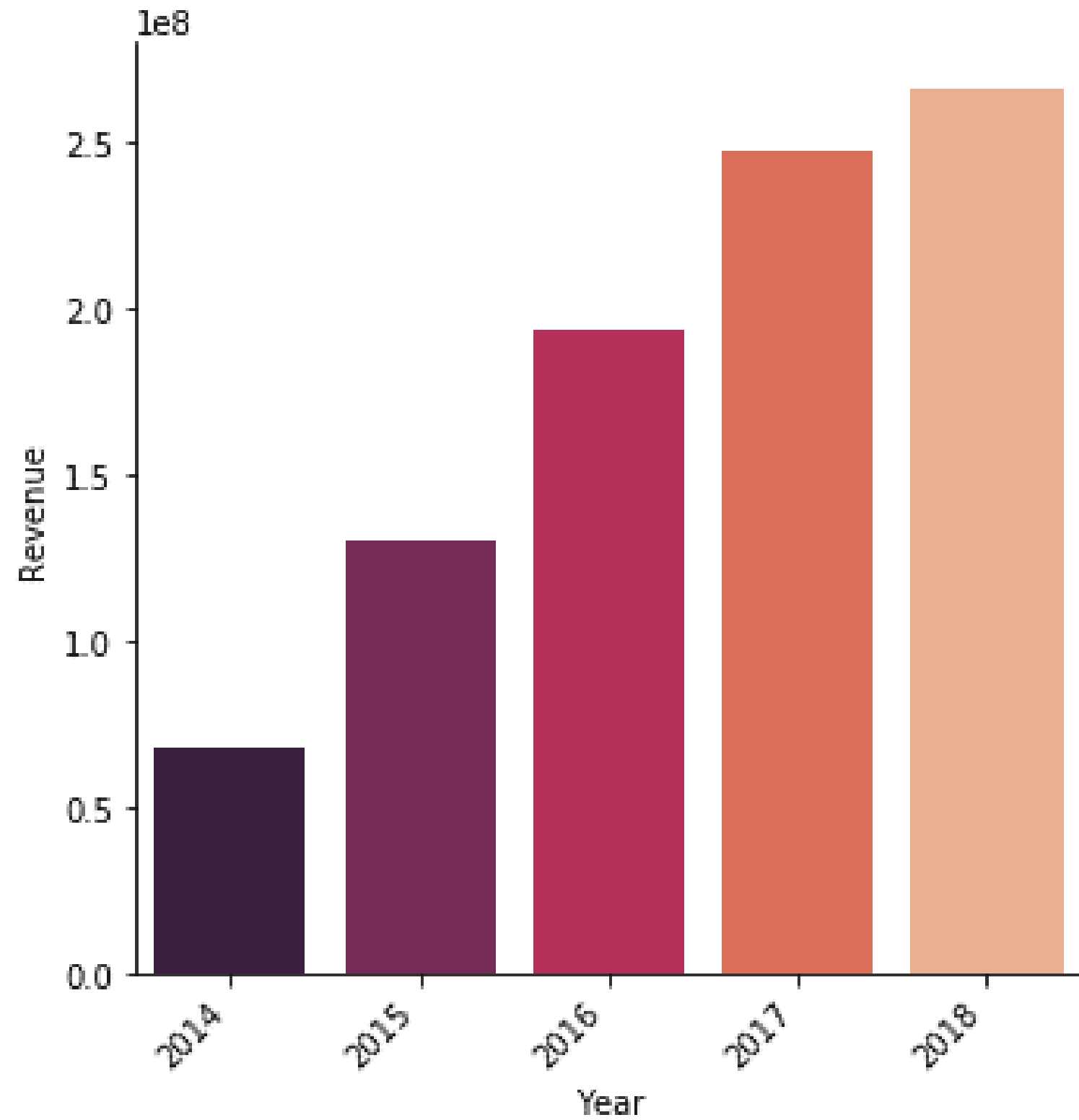
ESTIMATE FOR PROPORTION OF CONSUMERS



**GERMANY - SURVEY 2017:
USERS OF MARIJUANA
WITHIN THE LAST 12 MONTHS**



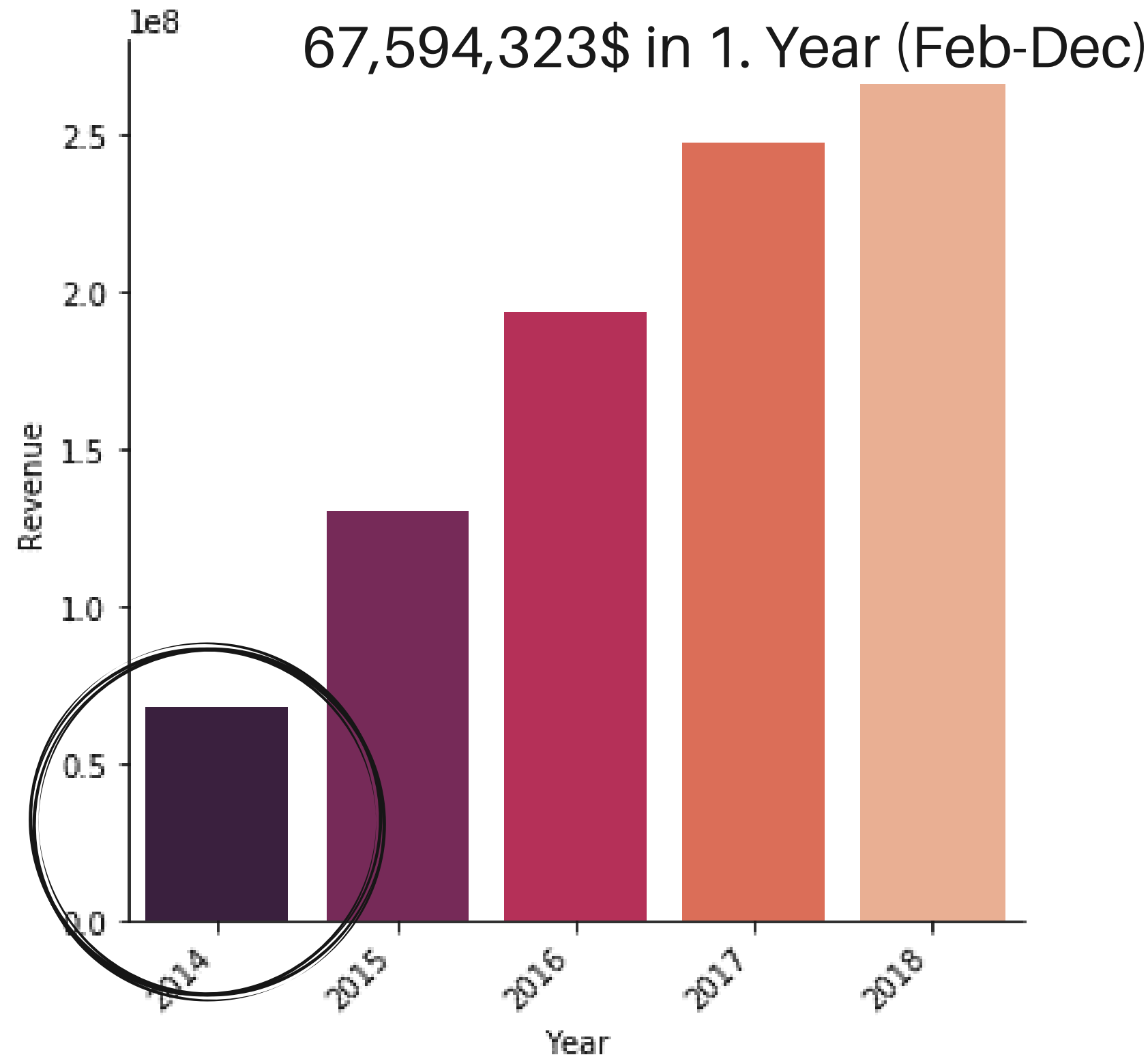
MARIJUANA TAX REVENUES IN COLORADO



<https://www.colorado.gov/pacific/revenue/colorado-marijuana-tax-data>



MARIJUANA TAX REVENUES IN COLORADO



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Germany:
Estimate for tax revenue on
Marijuana - first year of
legalization?



Colorado - Population 2014: 5.25 Million

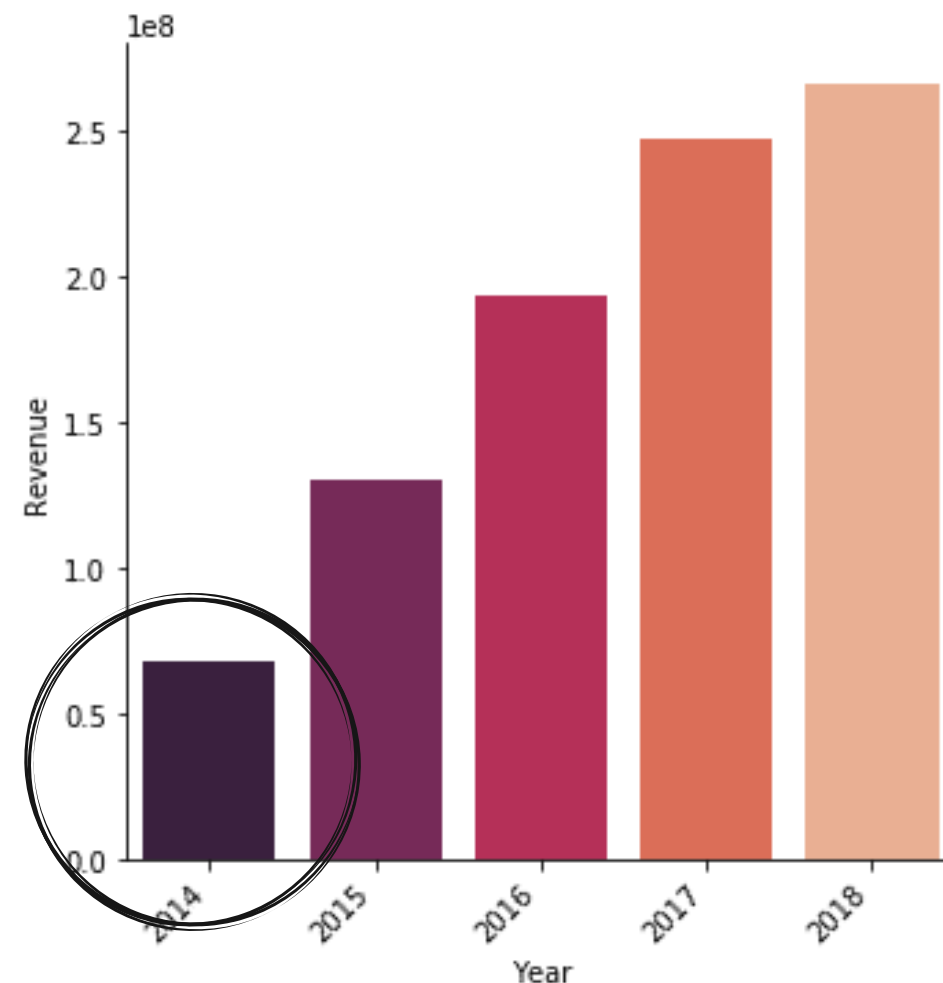
<https://www.codot.gov/projects/north-i-25/NorthI-25/additional-information/tiger/news-articles/colorado-population-2016>

Germany - Population 2019: 83.0 Million

https://www.destatis.de/DE/Themen/Gesellschaft-Umwelt/Bevoelkerung/Bevoelkerungsstand/_inhalt.html

MARIJUANA TAX REVENUES

67,594,323\$ in 1. Year (Feb-Dec)



Estimate: German Marijuana Tax-Revenue

First 10 months revenue (67.59 Mill)

x (12/11)

x proportional consumer estimate (7%/13%)

x German pop / Colorado pop (83.0 Mill / 5.25 Mill)

x USD/€ (0.9)

= 567 100 000 €

Thank you for your attention

Qvaestiones?

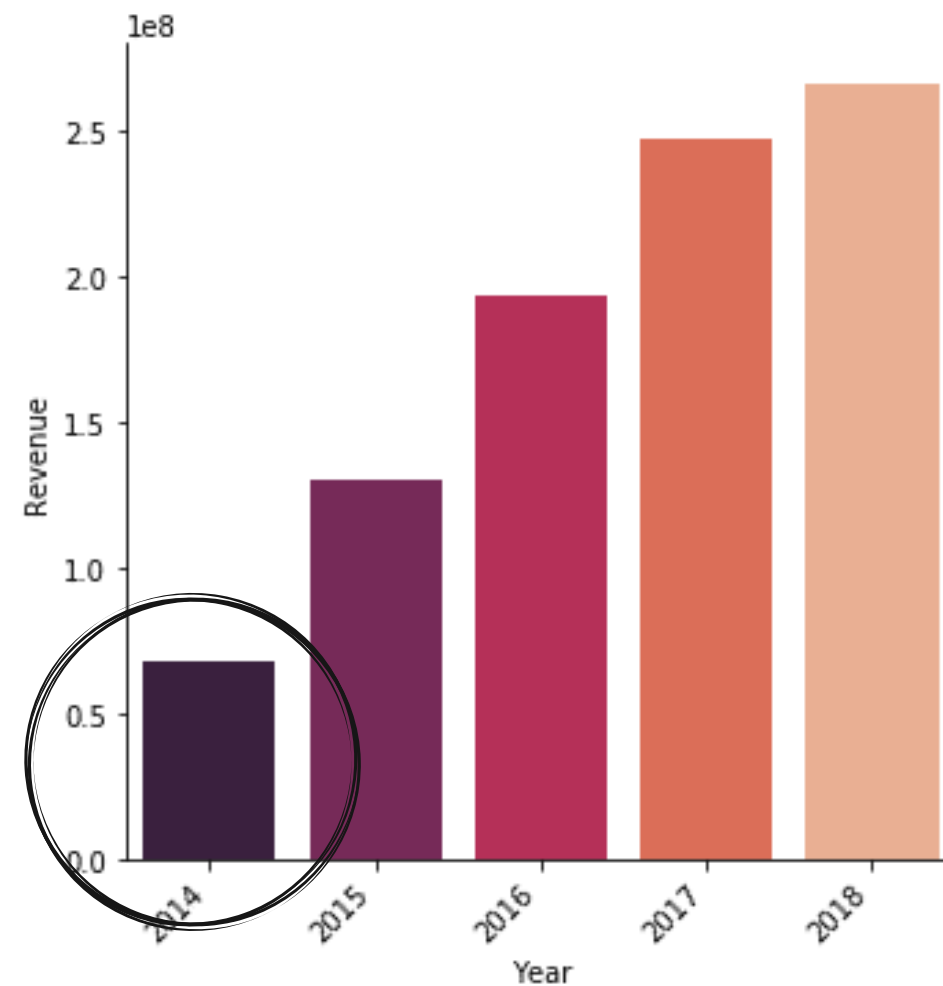


Colorado - Population 2014: 5.25 Million

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Estimate: German Marijuana Tax-Revenue

Second Year:
999 200 000 €

Second Year:
1 483 000 000 €