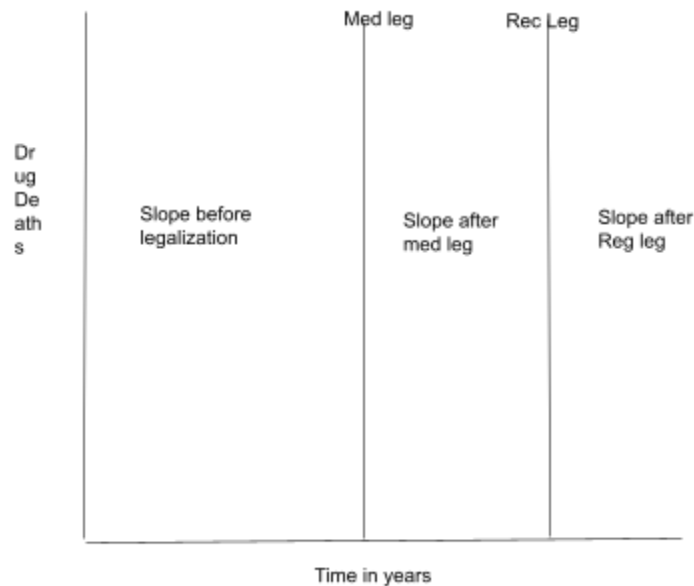


Step 1 - What effect do we see on drug deaths in a state (Colorado?) after medicinal legalization and after recreational legalization?

Data necessary for this step: Drug deaths per state per year, legalization dates



Do we see the slopes increase, decrease, or stay the same?

Step 2 - Do we see this same pattern in other states? Run same experiment for states with legalization in some capacity

State	Slope before Leg	Slope after med leg	Slope after rec leg
Colorado			
California			

Step 3 - So we've seen *this* pattern in all states with already legalized marijuana. Lets use clustering (algorithm?) to group states by income/capita, demographics, population, etc. so we can make predictions based on state type.

Data Necessary for this step: State-by-state statistics

Group Number	Group Description	States in Group
1	High income/capita, high population, etc	California, New York

2	Low income/capita, low population, etc	Colorado, Oregon, Louisiana
---	--	-----------------------------

Step 4 - Now we have groups of states with similar statistics. We can use the outcomes of states with already legalized marijuana to predict the outcomes in other states with similar statistics. Ex. Use Colorado's and Oregon's slopes to predict... Louisiana? (just making something up, that's not accurate clustering)

Group	Slope before Leg	Slope after med leg	Slope after rec leg
1	Calculated Average	Predicted Slope for all states in group	Predicted Slope for all states in group
2			
3			

Notes from First Meeting with Lance

Find other variables, by state data

- Suicide Rates
- Cigarette Sales - https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3508422
- Alcohol Consumption
- Alcohol-Related Death
- DUI and DWI
- Admissions to substance abuse treatment facilities
- Black Market Marijuana Sales
- Drug-related Crime
- Unemployment
- Drug Tests by Private Companies
- Underage Marijuana Usage
- Income per Capita
- Tax Revenue per Capita

Make a model based on one state, then test that model on other states. Does this do well?
Or make models for multiple states

Compare similar states before and after legalization in one state

End with predictions of other states if we want at the end

1999 - 2017

Data	Assigned Person	Colorado - Dataset	National - Dataset
Drug Deaths	N/A		
Cigarette Sales, Smoking	Saanch	https://www.americashealthrankings.org/explore/annual/measure/Smoking/state/CO	
Suicide Rates	Annie (found this so I just added it for Annie - Saanch :D) Thank u buddy <3 appreciate it	https://cohealthviz.dph.state.co.us/t/HSEBPublic/views/CoVDRS_12_1_17/Story1?embed=y&:showAppBanner=false&:showShareOptions=true&:display_count=no&:showVizHome=no#4	
Alcohol Consumption	Saanch	https://pubs.niaaa.nih.gov/publications/surveillance115/pcyr1970-2018.txt	https://pubs.niaaa.nih.gov/publications/surveillance115/pcyr1970-2018.txt
Alcohol-Related Death	Saanch	https://www.cpr.org/2019/06/12/colorado-has-more-alcohol-deaths-than-nearly-every-other-state/ https://www.americashealthrankings.org/explore/annual/measure/ExcessDrink/state/CO	
DUI and DWI	Annie		
Admissions to substance abuse treatment facilities	Sonam	https://www.dasis.samhsa.gov/dasis2/teds/pubs/2009_teds_rpt_st.pdf https://www.samhsa.gov/data/sites/default/files/2014_Treatment_Episode_Data_Set_State_Admissions_9_15_16.pdf	

Black Market Marijuana Sales	Tristan		
Drug-related Crime	Sonam	https://drugpolicy.org/sites/default/files/Colorado_Marijuana_Arrests_After_Amendment_64.pdf https://cdpsdocs.state.co.us/ors/docs/reports/2018-SB13-283_Report.pdf https://coloradocrimestats.state.co.us/tops/report/drugs-dui/colorado/2017 https://www.bjs.gov/content/pub/pdf/p13.pdf	
Unemployment	Tristan	https://www.statista.com/statistics/189397/unemployment-rate-in-colorado-since-1992/	https://www.statista.com/statistics/263710/unemployment-rate-in-the-united-states/
Drug Tests by Private Companies	Tristan		
Underage Marijuana Usage	Annie		
Income per Capita	Ashley	https://fred.stlouisfed.org/series/COPCPI	https://www.macrotrends.net/countries/USA/united-states/gni-per-capita
Tax Revenue per Capita	Ashley	https://www.taxpolicycenter.org/statistics/state-and-local-tax-revenue-capita (incomplete)	https://www.thebalance.com/current-u-s-federal-government-tax-revenue-3305762

<https://www.drugabuse.gov/drug-topics/opioids/opioid-summaries-by-state/colorado-opioid-involved-deaths-related-harms>