



Limitations or Lack Thereof: Manual Analysis VS DUI (Social Media)

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Problem

- Where is dui doing well and where is it not?
 - What is DUI
 - Why is the comparison being made
- What can we do to improve where it is not doing well?
 - What is the manual method
 - How can we take strengths from the manual method and recreate those (if necessary) in DUI



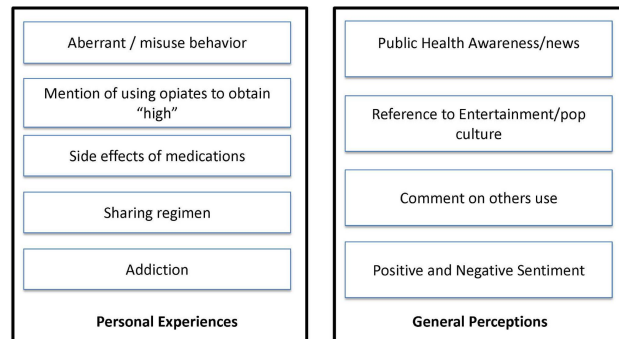
Key idea

- Understand the relationship and structure of the information in the context of drug use




Work Done

- Tweets Retrieved
- 20% of tweets used for Codification
 - “I had cyst removed. Doctor gave me 20 oxy pills in case of pain. I refused to take them. I'm 70. When I was 19 hurt my back. Back then no oxy. Doctor gave me morphine and codeine. SPACE CADET. AFTER 2 days stopped. Hell all these drugs scare me!!!!”
 - “RT @BLONDIE_007_: How can I get a law passed? Please help me. I would love to have a law called Ezmay's Law where whoever sells the drug F...”
- Conceptual framework from Canary in the Coalmine followed for codification





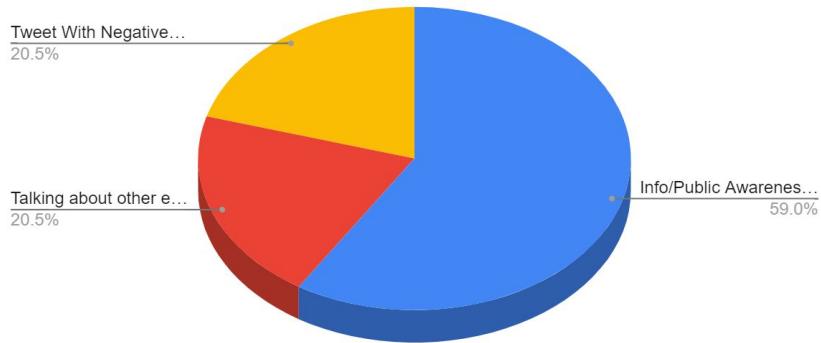
Key Results (1)

- The search term “Hydrocodone” was much more likely to return thematically Personal Experience tweets than any other
 - “Indeed. I’m on a hydrocodone and gabapentin regiment, i can’t turn my head ... there’s a whole story as to why but i don’t want to bore or depress you with it lol *self deprecating humor*”
 - “I’m willing to bet that no one in the U. S. gets those prescribed the way it is now. Ive been on the same exact dose of hydrocodone for 5 yrs., really crappy generics at that. Not even 90 mme/ day!”
 - “I was on pain meds for about 18 years. I went thru so many different ones. The last was oxycontin and hydrocodone. I decided to go to the METHADONE clinic to get off the oxycontin myself. My Medicare pays for it too. So the med is great for pain + no withdrawal. 9 YRS on it.”
- The search term “Opioid” was much more likely to produce thematically General Statement tweets
 - “so important = Federal Buprenorphine Guidelines and Opioid Use Disorder Treatment Reform <https://ja.ma/3ssBnO3> via @JAMA_current part of @JAMANetwork”
 - “Bill relating to opioid overdose drugs is the first bill to pass through the Senate in Alaska’s 32nd legislative session
 - #akleg #Alaska #stateofreform <https://t.co/Qw9dYc39aa?amp=1>”
 - Current Events

Key Results (2)

- A majority of Thematically General Statements are codified as Info/Public Awareness/News

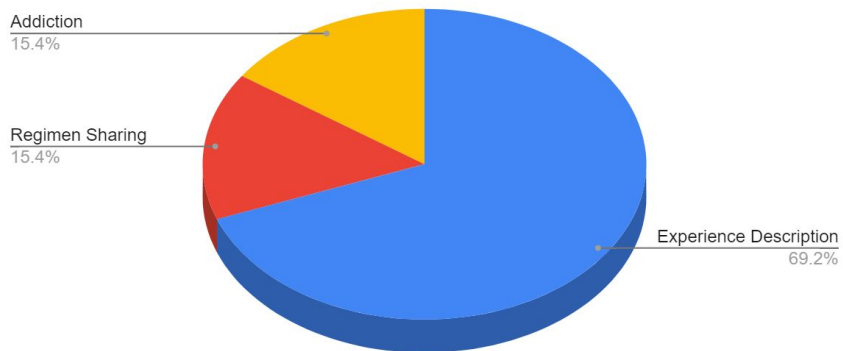
General Statements



Key Results (3)

- A majority of Thematically Personal Experience tweets were codified as Experience Descriptions

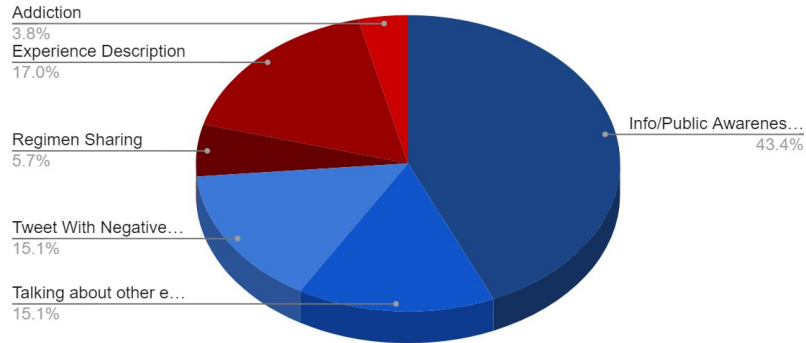
Personal Experience



Key Results (4)

- Tweets are codified as Thematically General Statements much more than Personal Experiences

Chart of Overall Results





Key points and Conclusion

- Some Canary in The Coalmine conclusions supported
- Personal Experience tweets tend to also be codified as experience descriptions