Background for Lab 4: Data to Decision

- Reminder: Submit lab by end of Sunday, 2/16
- Objectives
  - Discuss how to access Dashboards created by different groups.
  - Interact with graphs to acquire specific information regarding projects or group.
  - Search WWW to get further information to understand what the dashboard data means to the real world.
  - Discuss the use of data and information to manage population health.
- Previous labs created Dashboards
  - This lab shows you how to use them.
Tableau Public

- Shows data uploaded by groups.
- Each group shows graphical representations of their data.
- How does each group choose to represent their data?

Interacting with Data

- How can you acquire meaning from data?
- Graphical displays.
- Interact with Tableau dashboards.
- Example public dashboard.
Initial Questions/Approach

- What is this data displaying?
- What is the project/policies?
  - When have questions, Google is your friend!
- What are the years?
- Which drugs are measured?
  - Marijuana
  - Alcohol
  - Opioids

Example Exploration

- What is the effect of year on calls based on legalization of marijuana?
  - Legal calls rise then fall.
  - Medical strictly fall.
  - Retail fall.
- Is the effect different by drug?
  - Yes, slightly.
Example Exploration

- What is the effect of gender?
  - Males are more likely to be a marijuana or alcohol call.
  - Women are more likely to be a opioids call.
- Overall, opioids have the highest proportion of calls.

Example Exploration

- Do reasons for calls differ by type of drug?
  - Yes opioids tend to be accidental.
  - Alcohol, tends to be on purpose.
  - Marijuana evenly matched.
  - Overall, mostly accidental.
Example Exploration

What type of healthcare do people receive after call?

- Mostly no healthcare.
- A few emergency departments or hospital stays.

Example Exploration

Is there a difference by number of substances involved?

- More likely to involve hospital stay with more substances.
Conclusions

- Opioids was reason for most poison center calls.
- Calls fell over time.
- More substances involved suggested increased medical care involved.
- Overdose reason differed by type of drug.
- Types drugs associated with calls differed by gender.

Texas DSRIP

- Texas Project Dashboard.
- Dashboard used for lab.
- Several tabs at top to explore large project.