

Reporters! Polls! Have It YOUR WAY: Forecasting Surveys

S78

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Types of Surveying

- RANDOM
- STRATIFIED
- CLUSTER
- SYSTEMATIC
- CONVENIENCE

RANDOM

- Choose a select number from the population, with equal chance of being picked
 - Number generator
 - Drawing

Cluster

- Group like Stratified & randomly choose one group survey all
- One class, one city block

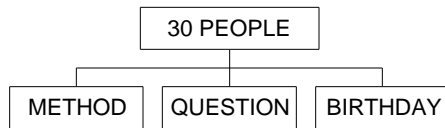
STRATIFIED

- Divide into group characteristics & randomly select from each group
 - Gender, Race
 - Voting Districts, Counties

Systematic

- Choose each k^{th} element in the population
- Survey each k^{th} person to leave or enter a store, game

FIRST SURVEY



QUESTION

Favorite Holiday	Choice of Candidates
Favorite Pizza	Favorite Color

Percent of Grades

Daily 35%	Tests 20%
Midterm Survey 15%	Final Project 30%

Midterm Bias Survey

- 6 questions on assigned side of issue
- Predict % results for each question
- Explain survey method
 - Choice of people
 - Where
 - Technique

Violence on TV/Media

Pro

- Do you support freedom of the press?
- Should government or parents control what children view on TV?

Violence on TV/Media

■ Con

- It is not unusual to see shootings on TV. Does TV make children immune to the horror of violence?
- Is TV showing that violence is a way to solve problems?

Change of Legal Drinking Age

Pro

- If 18-year-olds have right to vote, shouldn't they have right to drink?
- Do you like that Stupid M on your hands?
- If you are old enough to fight for your country, shouldn't you have the right to purchase a beer?

Change of Legal Drinking Age

Con

- Since teenage drinking is a large problem, do you think we go backwards to change from 21 to 18?
- Would you want the mellow atmosphere of a club to change because of an immature 18 legally drinking?

Legalize Marijuana

Pro

- Should marijuana be legalized for medical purposes?
- Would you believe a Doctor who says marijuana makes cancer pain easier?

Legalize Marijuana

Con

- Use of marijuana leads to stronger drugs. Should it be legal?
- Tar in marijuana is more destructive than cigarettes. Is marijuana good for you?

Your Opportunity

- Topic: School Searches & Drug Testing
- Split: Pro & Con
- Directions:
 - Write 2 biased questions
 - What group to survey?



"We've polled the entire kingdom, Your Majesty, and we've come up with exactly the results you ordered!"

Your Opportunity

- Topic: School Searches & Drug Testing
- Split: Pro & Con
- Directions:
 - Write 2 biased questions
 - What group to survey?

Final Project

- Unbiased
- Beneficial
- Show what you learned
- Month-long project
- Written & oral reports



State of Texas Actual Expenditures 1978-1998

Comparison of General Government Expenses and Education Expenses
by Donna Goodwin



Based on data compiled from:

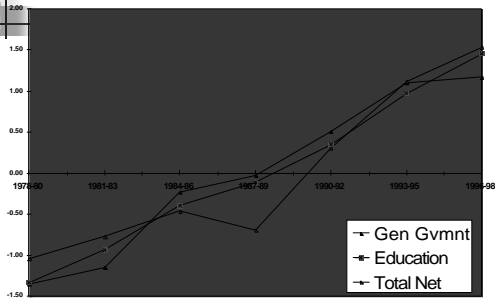
Net Expenditures 1978-1998 Descriptive Statistics



- Mean \$66.1 million
- Median \$48.6 million
- Standard Deviation \$38.1 million
- Range \$97.7 million
- Minimum \$26.7 million
- Maximum \$124.4 million
- 1st Quartile \$17.1 million
- 3rd Quartile \$56.1 million

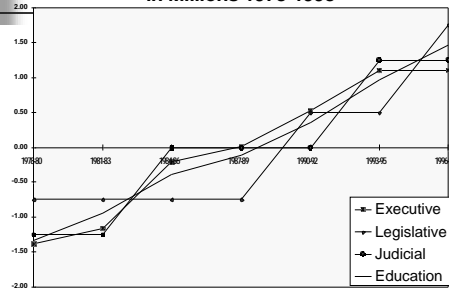
Based on data compiled from:

Z Scores State of Texas Expenditures 1978-1998

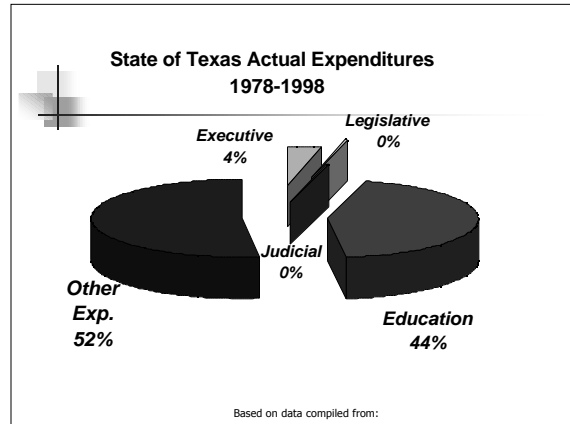
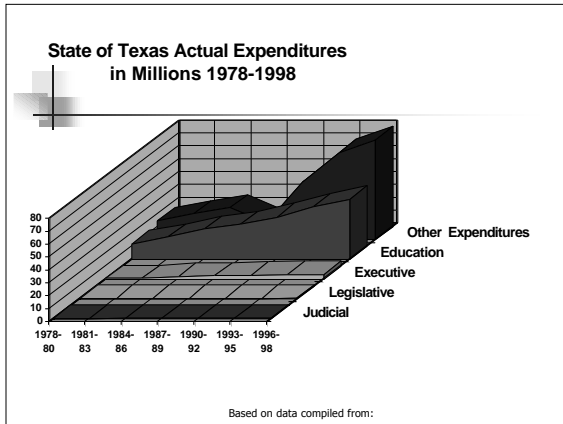


Based on data compiled from:

State of Texas Actual Expenditures in Millions 1978-1998



Based on data compiled from:



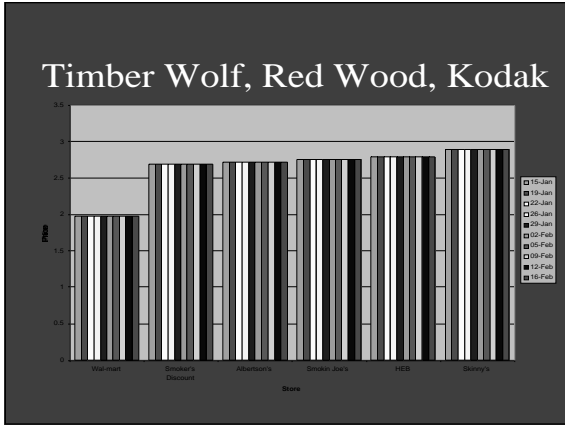
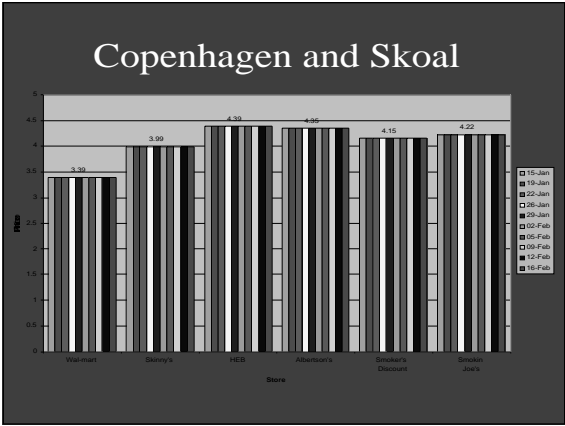
- ### Why this project?
- Worthwhile to stay an informed voter
 - Double check politicians claims
 - Know where my tax dollars are going
- Based on data compiled from:

Glenn Jones

Final Project
Snuff Price Survey

- ### Products in Survey
- Copenhagen
 - Skoal
 - Timber Wolf
 - Red Wood
 - Kodak

- ### Stores in Survey
- Wal-mart
 - HEB
 - Albertson's
 - Skinny's
 - Smokin Joe's
 - Smoker's Discount



The prices of snuff does not change that often at one store.

BUT,

The prices do vary greatly from store to store.