



(1) A Gallup poll conducted on April 1-2, 2005, using telephone interview of national adults aged 18 and older found that 72% of the 1040 people had traveled to find the cheapest gas in their area due to the increase in gas prices.

(a) Identify the poll's **population**.

(b) Identify the poll's **sample**.

(c) Identify the poll's







(5) The following represents the U.S. government's expenses (in billions of dollars)

(6) Below is a sample of the UN's statistics for the (reported) percentage of adults (15-49) infected with HIV/AIDS listed by country. Using this data

(a) Find the **midrange**, **mode** and **mean**  $\bar{X}$

(b) Calculate the **range**  $R$ , **variance**  $S^2$  and **standard deviation**  $S$ .

Country	% (X)	X <sup>2</sup>
Brazil	0.7	
Burkina Faso	4.2	
China		

(7) Below is a list of closing prices for a selection of stocks chosen at random from the Dow Jones Internet Commerce Index.

(a) Determine the **five number summary** for the share prices of the Dow Jones Internet Commerce Index.



(1) A Gallup poll conducted on April 1-2, 2005, using telephone interview of national

(2) Given the following five data variables indicate which ones are **numerical** and which **categorical**. In addition, if a variable is numerical, indicate whether it is **continuous** or **discrete**. If it is **categorical**, indicate whether it is **ordinal** or **nominal**.

(a) A car's make

(b) A runner's speed in a race

(c) An NBA player's rebounds in a single game

(d) The types of airline tickets: coach, business, first class

(e) A video rental's type



(4) Here are a set of exam grades for a statistics class given last fall at DeVry University.

22	32	34	35	35	42	42	43	43	43	45	46
47	47	47	54	60	62	66	67	67	70	71	72
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- (a) Find the





(1) A Gallup poll conducted on April 1-2, 2005, using telephone interview of national adults aged 18 and older found that 48% of the 1040 people had cut back on









- (6) Below is a sample of the UN's statistics for the (reported) percentage of adults (15-49) infected with HIV/AIDS listed by country. Using this data
- (a) Find the **midrange**, **mode** and **mean**  $\bar{X}$
  - (b) Calculate the **range**  $R$ , **variance**  $S^2$  and **standard deviation**  $S$ .
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