

Jeopardy				
Use Your Words	Use Your Words II	Z-Scores are the Score	Normal Questions	Mixed Bag
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500

Jul 23-2:33 AM

100 Points

What is the sampling method described?

Wanting to determine the town's favorite color you randomly select 200 numbers from a town phone directory to call.

Answer | Back | Music

Category1: Q100

200 Points

Fill in the Blank

A data set has a mean of 20 with a standard deviation of 2. The x-value 18 is one standard deviation below the mean, and its _____ is -1.

Answer | Back | Music

Category1: Q200

300 Points

What is the sampling method described?

You decide to poll children 8-10 years old on their favorite Disney movie. You ask some of the 8, 9, and 10-year-old children.

Answer | Back | Music

Category1: Q300

400 Points

What is the sampling method described?

In an effort to determine how Cranford Public Schools students feel about the amount of homework they have per night, you ask students in grades 1, 2, 4, and 9.

Answer | Back | Music

Category1: Q400

500 Points

Test scores are found to be normally distributed with a mean of 88% and a standard deviation of 3.5%. Students more than two standard deviations below the mean would have a _____ of -2, and those scores would be considered _____.

Answer | Back | Music

Category1: Q500

100 Points

What is the most ideal data collection method?

You wish to determine the effect that daily exercise has on stress levels of people.

[Answer](#) | [Back](#) | [Music](#)

Category2: Q100

200 Points

Fill in the Blank

Z-scores below the mean are _____.

[Answer](#) | [Back](#) | [Music](#)

Category2: Q200

300 Points

What is the sampling method described?

In an effort to raffle off Buffalo Wild Wings gift cards, Mr. Jala will randomly pick 7 names from a list of 10 freshmen, 10 sophomores, 10, juniors, and 10 seniors.

[Answer](#) | [Back](#) | [Music](#)

Category2: Q300

400 Points

Two events R and S are _____ if $P(S)$ is equal to $P(S | R)$.

[Answer](#) | [Back](#) | [Music](#)

Category2: Q400

500 Points

A teacher gives a test. Deciding to talk to students about their scores, he separates the tests into those who scored 90%-100%, 80%-89%, 70%-79%, and so on. He asks students with scores in the 50s, 70s, and 90s how they studied for the test.

[Answer](#) | [Back](#) | [Music](#)

Category2: Q500

100 Points

Find the z-score given the following:

$x = 2$

average = -4

standard deviation = 3

[Answer](#) | [Back](#) | [Music](#)

Category3: Q100

200 Points

In a normal distribution, between which z-scores would you find 47.5% of the data? There can be more than one answer.

Answer | Back | Music

Category3: Q200

300 Points

Find the z-score given the following information. Round to the nearest ten-thousandth.

$$x = -3$$

$$\text{average} = -1$$

$$\text{standard deviation} = 3$$

Answer | Back | Music

Category3: Q300

400 Points

Find the average given the following information:

$$z = 4$$

$$x = 5$$

$$\text{standard deviation} = .2$$

Answer | Back | Music

Category3: Q400

500 Points

Given an average of 10 and a standard deviation of 2, answer the following:

a) Would an x-value of 8 have a positive or negative z-score?

b) At which two x-values would outlier values start?

Answer | Back | Music

Category3: Q500

100 Points

On a normal distribution, where can one find 95% of the data?

Answer | Back | Music

Category4: Q100

200 Points

True or False?
It is impossible to be further than three standard deviations from the mean.

Answer | Back | Music

Category4: Q200

300 Points

Mr. Jala counts the number of wings he has every time he goes to Buffalo Wild Wings. He finds the data to be normally (and deliciously) distributed. He eats an average of 16 wings and the standard deviation is 3 wings. If Mr. Jala goes to Buffalo Wild Wings 50 times, how many times should he expect to eat an amount of wings that could be called an outlier? Round to the nearest whole number if necessary.

[Answer](#) | [Back](#) | [Music](#)

Category4: Q300

400 Points

The heights of 500 Cranford students are measured, and found to be normally distributed. 99.7% of the data is between 60 inches and 72 inches, with a standard deviation of 2. What is the average height?

[Answer](#) | [Back](#) | [Music](#)

Category4: Q400

500 Points

The daily speed of traffic on the parkway is measured over several days, and found to be normally distributed. The average is 50 mph with a standard deviation of 4.5 mph. Over a 50-day period, on how many days can we expect that the speed will not be under 36.5 mph

[Answer](#) | [Back](#) | [Music](#)

Category4: Q500

100 Points

Consider two sets of test scores. If one set of scores has a smaller standard deviation than the other, what can be concluded about the scores with the smaller standard deviation?

[Answer](#) | [Back](#) | [Music](#)

Category5: Q100

200 Points

You wish to see what treat a dog prefers. What is the most appropriate data collection method?

[Answer](#) | [Back](#) | [Music](#)

Category5: Q200

300 Points

Calculate the standard deviation either manually, or with a graphing calculator. Round to the nearest tenth if necessary.

1, 2, 4, 5

[Answer](#) | [Back](#) | [Music](#)

Category5: Q300

400 Points

How do you show that two events are independent?

[Answer](#) | [Back](#) | [Music](#)

Category5: Q400

500 Points

A room has 5 left-handed girls, 4 right-handed girls, 7 right-handed boys, and 3 left-handed boys.

L = someone who is left-handed

G = someone who is a girl

Is $P(L \text{ given } G)$ the same as $P(G \text{ given } L)$? Justify with math.

[Answer](#) | [Back](#) | [Music](#)

Category5: Q500

100 Points

Random Sample

[Score](#) | [Back](#)

Category1: A100

200 Points

z-score

[Score](#) | [Back](#)

Category1: A200

300 Points

Cluster Sampling

[Score](#) | [Back](#)

Category1: A300

400 Points

faire la fête

[Score](#) | [Back](#)

Category1: A400

500 Points

z-score
outlier

Score | Back

Category1: A500

100 Points

Experiment

Score | Back

Category2: A100

200 Points

aller au cinéma

Score | Back

Category2: A200

300 Points

Simple Random
Sample

Score | Back

Category2: A300

400 Points

Independent

Score | Back

Category2: A400

500 Points

Cluster Sample

Score | Back

Category2: A500

100 Points

$$z = 2$$

Score | Back

Category3: A100

200 Points

From

$$z = 0 \text{ to } z = 2, \text{ or}$$

$$z = -2 \text{ to } z = 0$$

Score | Back

Category3: A200

300 Points

$$z = -0.6667$$

Score | Back

Category3: A300

400 Points

$$\text{average} = 4.2$$

Score | Back

Category3: A400

500 Points

a) Negative

$$\text{b) } x = 6 \text{ and } x = 14$$

Score | Back

Category3: A500

100 Points

2 standard
deviations from
the mean

Score | Back

Category4: A100

200 Points

False

Score | Back

Category4: A200

300 Points

About 3 times

Score | Back

Category4: A300

400 Points

66 inches

Score | Back

Category4: A400

500 Points

40-50 days will have speeds not under 36.5 mph

Score | Back

Category4: A500

100 Points

The set with the smaller standard deviation will have scores more tightly clustered around the mean.

Score | Back

Category5: A100

200 Points

Observational Study

Score | Back

Category5: A200

300 Points

Standard deviation = 1.6

Score | Back

Category5: A300

400 Points

If there are two events A and B,
P(A) must be the same as
P(A given B)

Score | Back

Category5: A400

500 Points

One answer is 5/9, the other is 5/8.
So no.

Score | Back

Category5: A500

Scores

Team 1 Team 2 Team 3 Team 4

Back

Scoring Page

Daily Double!!!

Please pick up a pen from the pen tray
and, in the box below, write down the
amount that you are willing to wager.

Go To Daily Double Question | Back | Music

Daily Double (wager)

Daily Double!!!

How do you express "to go to the mall" in
French?

Go To Daily Double Answer | Back | Music

Daily Double (question)



Daily Double (answer)

Attachments

Theme - Jeopardy.mp3

CURLZ____.TTF

TEMPSITC.TTF