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Licenciatura: Enfermería.

Materia: Bioestadistica.

PASIÓN POR EDUCAR

Nombre del trabajo: Ejercicios.

Ensayo del tema:

"Ciencia y Conocimiento"

Ejercicio 1

Se desea tomar muestra para estimar en ona confianza de 95%, proporción de artículos defectosos en en hospital y se desea que el erro sea de 5%. Si se sabe que la proporción de artículo defectoso en periodos anteriores for de 2%, determine el tamaño minimo necesario para muestra

Z= 95°1. = 1.96

e = 5°/. = 0.05

P= 0.07

Q=1-0-0-02=0.98

(e)2 x 6 x a

n= (1-96)2 x 0002 x 0-98

n= (3.8416 × 0.02 * 0.98

n = 0.0752 - 30.08 = 30 0.0025

EJERCICIO 2

La divrección de una escuela de enfermeria planea incorporar clase de maternaticas en actividades de medicación, por lo coal quiere estimar la proporción de alamno que soben usor los modernaticas en esta actividad, con un nivel de confianzo de 99%.

Y un error no mayor a 11%. Determine el tamaño de la mastra.

Determine a tamaño: 137

COHOS:

Z= 99% = 2-575

e= 11% = 0.11

P= 0.5

0= 1-P. 1-0.5= 0.5

N= (z)2 * P * Q

 $n = \frac{(2.575)^2 \times 0.5 \times 0.5}{(0.11)^2}$

n= (6.630.625 \$ 0.5 \$ 0.5)

n= 1.6576=136 · 99=137

Scuela de entermería desea estimar la proporción de diamnos en el vituro semestre que pretende estadiar algona muestro car en nivel de contienza de 97%. Il un error de 8.5% anteriormente 31% de los estadiantes expresarán de miestra si el total de allanoro en el madeno semestre es de 4300

Datoo:

(111111111)

N= 1340

Z= 97°1. = Z.17

e= 8.5% = 0.085

P= 31.1.

Q=1-P=1=0.31=0.69 R=127

n=Nx(2)2 x Px Q (N-1) x (c)2+(2)2 x P x Q

 $\frac{(340-1)\times(0.085)^2\times0.31\times0.69}{(1340-1)\times(0.085)^2+(2.17)^2\times0.31\times0.69}$

 $n = 1340 \approx 4.7089 \approx 0.31 \approx 0.69$ $1339 \approx 0.0072 + 4.7089 \approx 0.31 \approx 0.69$ n = 1349, 69.319.6408 + 1.0072 n = 1,349.6931

n=1,349.6031=

Programa de bras instituciónales de una sociales de entermeria que mantiene un promatio de neceso más y tiene derecho a renevaria, con un morgan de evvor de 4°1. y un nivel de confianza de 96°1. En año anteriore-58°1. de sos benefationes renovarios dicha baso. Carrole el tomaño de moestra, 51 el patrón total de becarios es de 2720.

N= Z720

2 = 96.1.

e - A01.

p = 58-1.

Q=1-P=1=0.58=0.42

(N-1) x (G) 2 x 6 x d

n= 2720 x (205) × 0.58 x 0.42 (2720-1) x (0.04) 2 + (2.05) 2 x 0.58 x 0.42

n= 2719 \$ 4.2025 \$ 0.38 \$ 0.42 2719 \$ 0.0016 + 4.2025 \$ 0.58 \$ 0.42

2783.5191 1.3004 + 1.0237 n= 2783.5191 = (5

iva todo

Health and Fitness Quiz

How healthy and fit do you think you are? Skim the questions below
Then guess your health and fitness score from 0 (very unhealthy) to 50 (very healthy)

Your Food and Nutri	tion
How many meals do you eat each day?	Points
Four or five small meals	5
Three meals	3
One or two big meals	0
2. How often do you eat at regular times during the day?	
Almost always	5
✓ Usually	3
Hardly ever	0
3. How many servings of fruits or vegetables do you eat each day?	
Five or more	5
✓ One to four	3 0
None	0
4. How much junk food do you eat:	,
Very little	5
About average	5
☐ A lot	0
5. Do you take vitamins?	
Yes, every day	5
Sometimes	5
□ No	0

exercise program?	Points
Both weight training and	
aerobic exercise	5
Either weight training or	
aerobic exercise	3
None	0
8. How important is your fit	ness
program to you?	
Very important	5
Fairly important	3
Not very important	. 0

9. How often do you get a physical exam?	Points
Once a year	5
Every two or three years	3
Rarely	0
0. How often do you sleep we	11?
Always	5
Usually or sometimes	3
Hardly ever or never	0

Your Fitness	
6. How often do you exercise or play a sport?	Points
or pull a sport:	
Three or more days a week	5
44 5 0 0 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 3

Rate yourself

TOTAL POINTS
42 to 50: Excellent job! Keep up the good work!
28 to 41: Good! Your health and fitness are above

15 to 27: Your health and fitness are a little below average.

14 or below: You can improve your health and fitness

A Take the quiz and add up your score. Is your score similar to your original guess? Do you agree with your quiz score? Why or why not?

B GROUP WORK Compare your scores. Who is the healthiest and fittest? What can you do to improve your health and fitness?