·6я

represents this probability. grade the region of the curve that

probability that it weights less than 37 A turtle is chosen at random. Find the

kg and a standard deviation of 4 kg.

observed off the coast of Florida are

(rebigocyejks kewbii) zeg (miges

The weights of Kemp's ridley

ce to neem a thiw betudirisib vilamon

alqmaxi

Properties of the Normal Curve The curve is _____

It is symmetrical about the

The mean, median, and mode are the .

represents _____ of

The Empirical Rule states

within two, and within three standard deviations

The area under the curve

of the data lies within one,

the data.

from the mean.

•

•

si sixe-x əyi to jiun of neem edt tee $\frac{\rho}{z} = Z$ This is done through the formula:

7-

by inding the normal deviate, or

deviation of the data, we can

Using the mean and standard

standardize the normal distribution

Serozes

The Normal Curve

There is no one normal curve; it will

spread of the data, or

5

depending on the

10

standard and each l

deviation.

'uouenus upea ur '-

f(x)

 $f(x)_{\blacktriangle}$

aloos

standard deviation σ .

greater than 103 cm.

Find the value of the mean μ and the

than 85 cm and 10% have a length

these turtle shells have a length less

distribution. It is known that 20% of

The lengths of adult Loggerhead sea

alqmaxi

4. Mean (μ)

5. Variance (σ^2)

6. Standard Deviation (σ)

turtle shells follow a normal

:9msN

in statistics!

the most important distributions

occurring variables and one of

Anyway?

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Basic Stat Vocabulary

Define the following terms, in your own words:

1. Population

2. Sample

3. Random Sample

suitable for many naturally

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