2017

~80% + (7) Major assessment (100%)

~ 70%-79% (6) (92%)

~ 60%-69% (5) (84%)

~ 50%-59% (4) (76%)

I hope your 2018 is unbeelievable.

Normal Distributions

Unit: We are statistics

Why do countries tend to avoid war?

$, death

World War 2 claimed the lives of many people.

How many?

12-14 million

38,000,000

26.9 mil

23 mil

40 mil

20.5 mil

MM mm

Clear the memory on your calculators:

2nd --> + ---> 7 ---> arrow right twice ---> Clear all

STAT → Edit → L1

Today's learning objective:

STAT → CALC → 1-Var

By the end of class, I will be able to calculate mean, median, mode, standard deviation, variation, range, interquartile range and understand how outliers affect data.

Σ

Today's language objective:

$\bar{x}$

Mean vs Median

Mode : stylish, fashionable

s or σ

Standard Deviation vs Variation

Range vs Interquartile Range

Outlier:

Normal Curve

μ = population mean = 1,801,905

Sample

$\bar{x}$ = Mean = 1,801,905

S_x = standard deviation Sample = 4,920,026

σ_x = st. deviation Population = 4,858,136

min = 2000

Q1 = 25% = 42,950

Med = 50% = 323,000

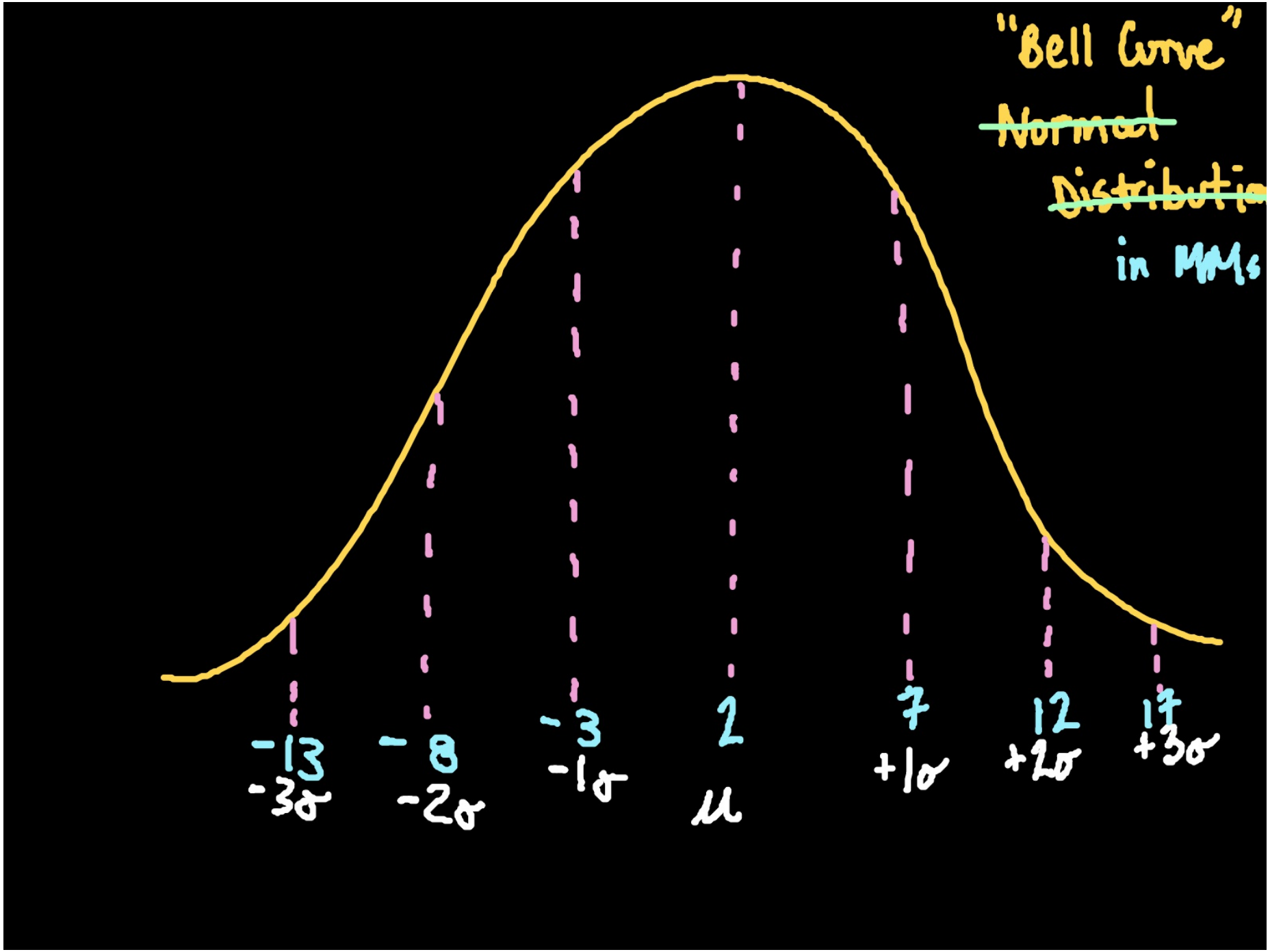
Q3 = 75% = 706,500

Max = 24,000,000

IQR

Interquartile Range

Q3 − Q1 = 663,550


"Bell Curve"
~~Normal~~
~~Distribution~~
in MMs
-13
-3σ
-8
-2σ
-3
-1σ
2
μ
7
+1σ
12
+2σ
17
+3σ