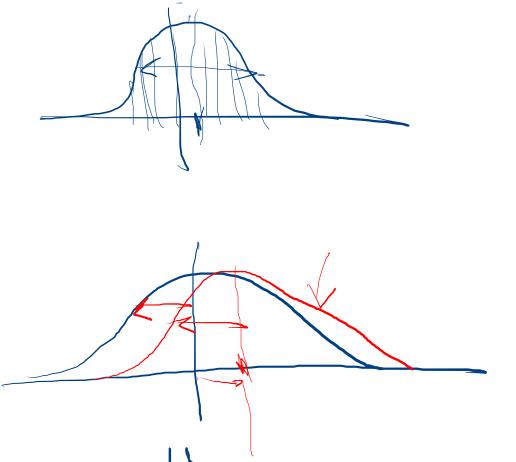
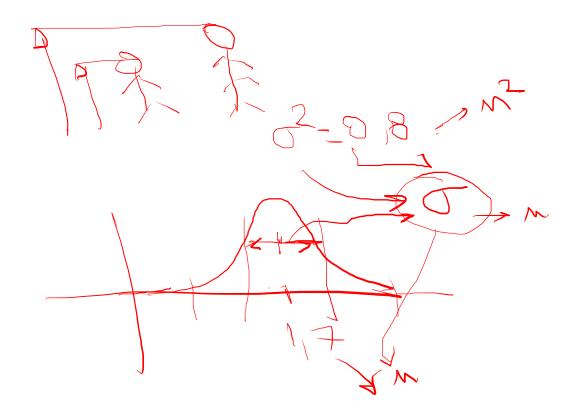


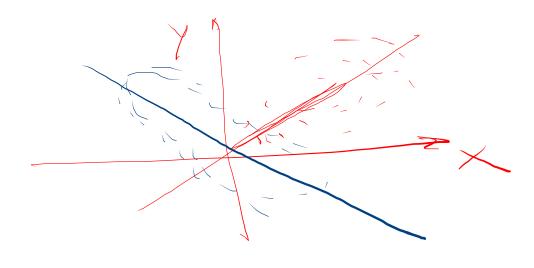
Made Medi 2 Media -> certro de 3 rouedos Mediane -> 50% media. - >

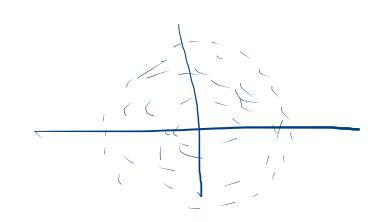
WF12 172

Mide 12 varisbilises respects le su velor nedie









## Tencien generadors de Momentos

$$M_{X}(t) = E[e^{tX}]$$

$$E[X^{m}] = \int_{t=0}^{\infty} E[e^{tX}] = M_{X}(0)$$

$$JE[e^{tX}] = E[Xe^{tX}] = E[X]$$

$$JE[e^{tX}] = E[Xe^{tX}] = E[X]$$

$$\begin{cases}
\frac{1}{2}(x) - \frac{1}{2} x e^{-\lambda x}, & x > 0 \\
\frac{1}{2}(x) - \frac{1}{2} \frac{1}{2} e^{-\lambda x}, & x > 0
\end{cases}$$

$$E[X] - \frac{1}{2} E[e^{\pm x}]_{t=0} \qquad (t < x)$$

$$M_{X}(t) = E[e^{\pm x}] = \int_{0}^{\infty} e^{\pm x} \lambda e^{-\lambda x} dx = \lambda \int_{0}^{\infty} e^{\pm x} dx = \lambda \int_{0}^{\infty} e^{\pm$$

$$\frac{d}{dt} = \frac{1}{\lambda - t} = \frac{1}{\lambda - t} = E(X)$$

$$\frac{d}{dt} = \frac{1}{\lambda - t} = \frac{1}{\lambda - t} = \frac{1}{\lambda - t}$$

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## Estadistica de Orden K

Xi = muestre sin elterar X(i) = muestro ordenado X= [X] = Xord (i) = Xord (i) del d X(i) del de X(i) del de X(i) XM = minimo de X longitud postud X(M- WEXTUR 95 X

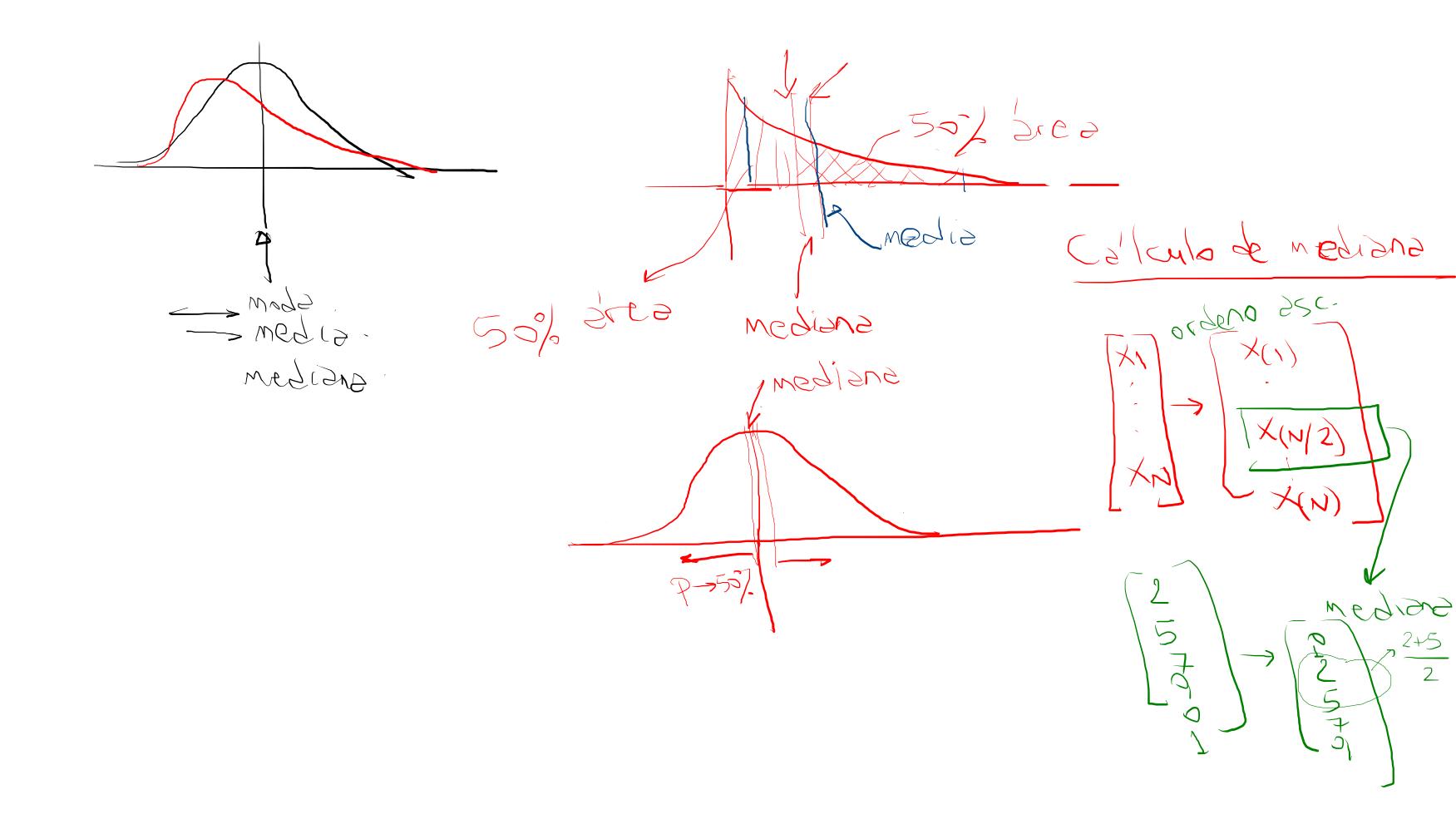
Media Maestral 7 Recortada

M- 1 5xi de Suns todas las muestras.  $5^2 = 1 \left( \times i - \hat{\mu} \right)^2$ 

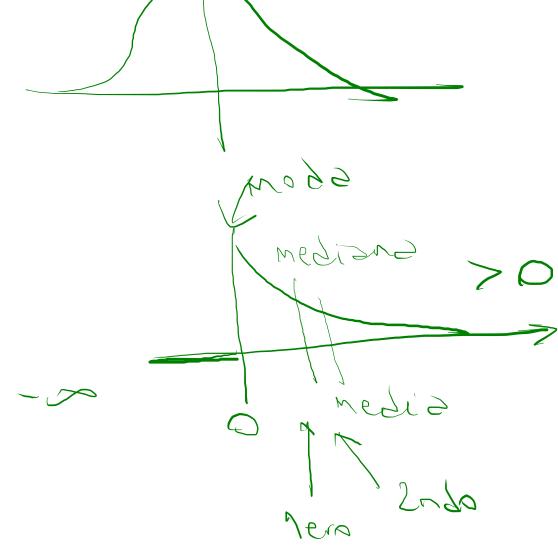
media recorteda

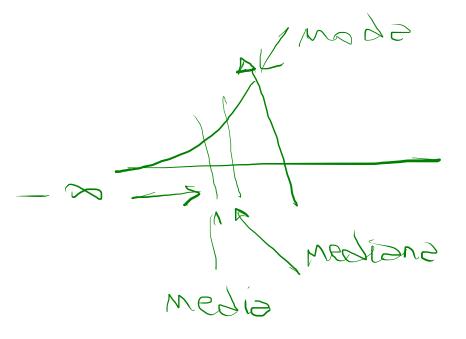
Media recorteda P=0,1  $N(1,1) \rightarrow M=10000$   $\exp(1)$ 

Comporte con ) 3 media sin recorter



Skeuness - Obliguided





Curtosis

normal > Kurt (normal) = 3

(integal)

## Percentil 7

10° /0°

Para describir un conjunto de datos

- Mínima (XIII)

- Q1

- Q2

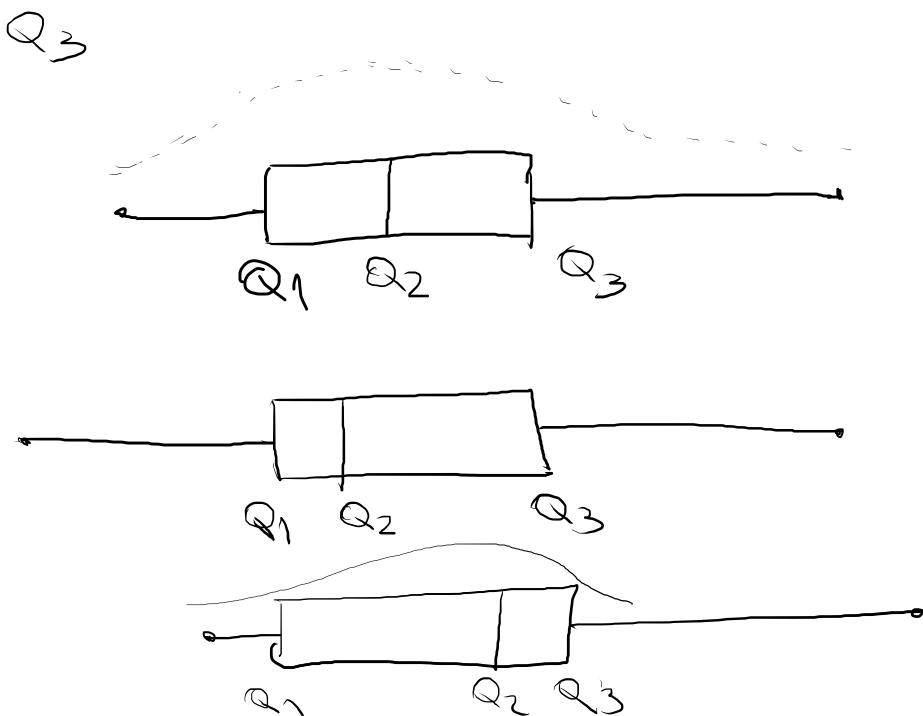
Maximo (X(N))

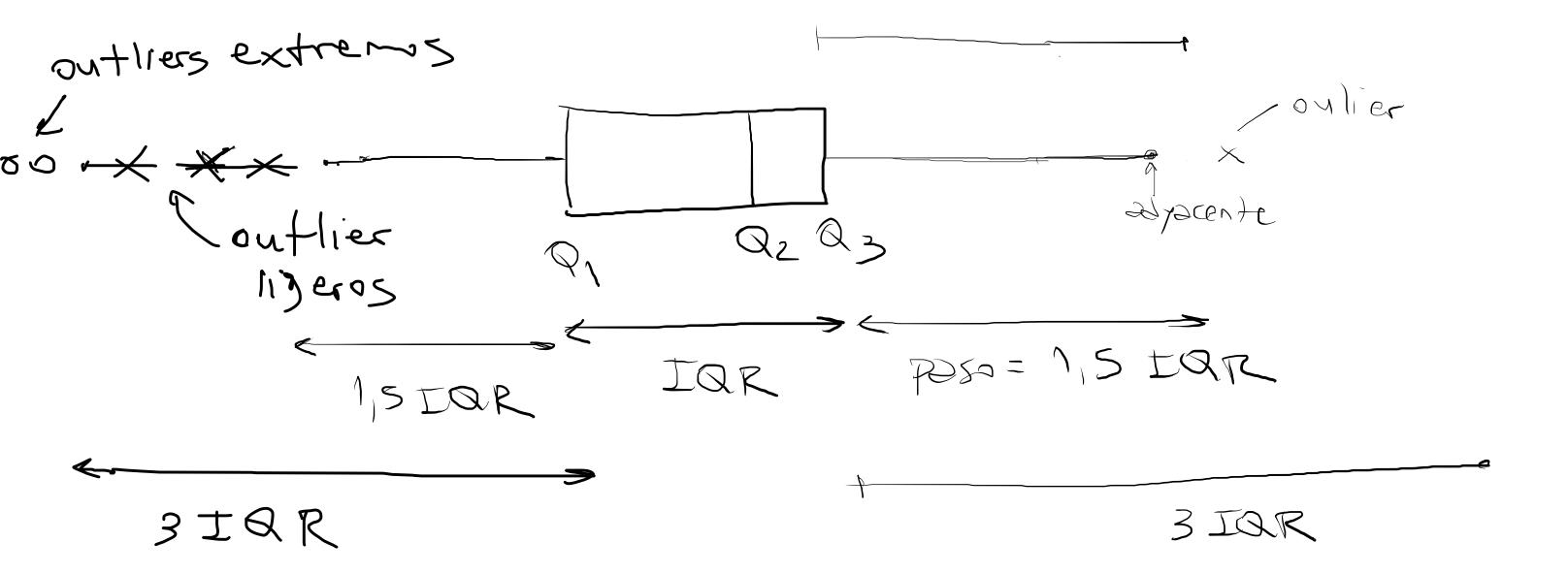
Regla Empirece

m+20 m=M=x-Min) recortede 95%

Digrama de Box - and-whiskers

Q1,Q2,Q3





Stem and Leaf

$$x = \begin{bmatrix} 14 & 10 & 20 \end{bmatrix}$$

$$\frac{1}{2} \begin{bmatrix} 40 \\ 1 \\ 6 \end{bmatrix}$$

$$\frac{1}{40} \begin{bmatrix} 60 \\ 1 \\ 60 \end{bmatrix}$$