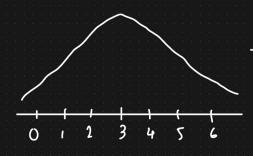
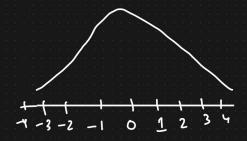
## 1) Standard Normal Distribution

Z-score





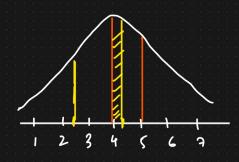
$$\chi$$
-score =  $\chi_{i}$ -11  $\gamma_{i}$   $\{-2,-1,0,1,2\}$ 

$$0 \quad \frac{1-3}{1} = -2 \qquad 3 \quad \frac{3-3}{1} = 0$$

3 
$$\frac{3-3}{4}=0$$

$$2 = 3 = -1$$
  $9 = \frac{4-3}{1} = 1$ 

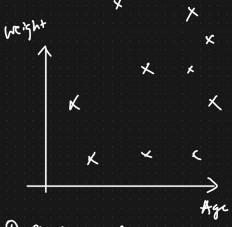




Q) How many Standard deviation 4.25 is away from

$$1 - score = \frac{4.25 - 4}{1} = 0.25$$

$$\frac{\text{R-siore}}{1} = \frac{2.5-4}{1} = \frac{-1.5}{1}$$



- 1) Clustering Algorithms
- 1) Linear Regression
- 3) Logistic Regionion

Standardization => Ml Models