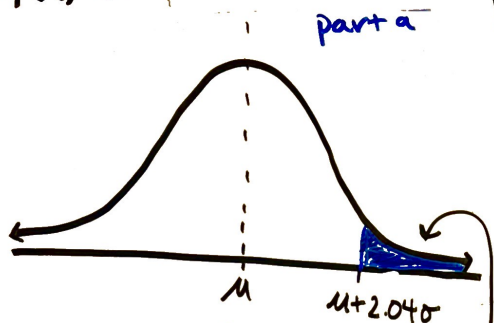


$$X \sim N(\mu, \sigma)$$

①

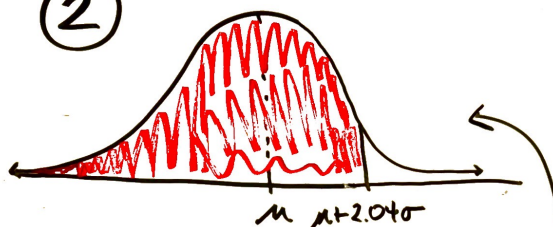


We want  $P(Z > 2.04)$

part a

Find probability that an observation falls in the shaded region.

②



The table gives us  $P(Z < 2.04) = 0.9793$

③



We know this area sums to 1

④ Take green minus red to get blue.

$$1 - 0.9793$$

$$= 0.0207$$