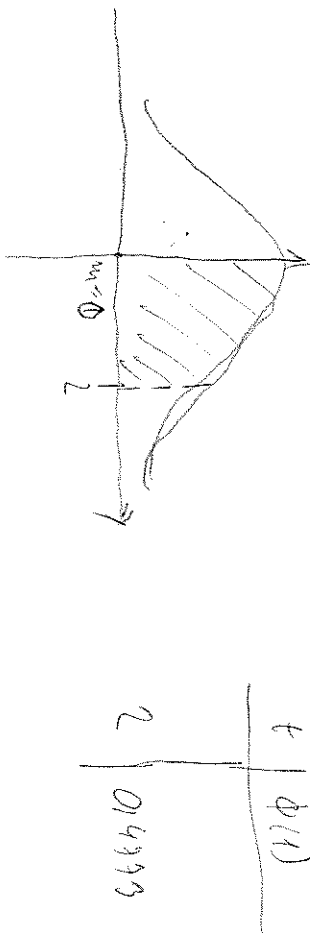


STANDARD NORMAL DISTRIBUTION

$$T \sim N(0, 1)$$



$$P(0 < T < 2) = \Phi(2) = 0.9773$$

$$P(-2 < T < 0) = \Phi(0) = 0.5$$

$$P(0 > T > 2) = 0.5 - \Phi(2) = 0.5 - 0.9773 = 0.0227$$

$$P(T < 2) = 0.5 + P(0 < T < 2) = 0.5 + 0.4773 = 0.9773$$

$$P(-1 < T < 2) = \Phi(2) - \Phi(-1) = 0.9773 + 0.2420 = 0.2353$$

$$P(1 < T < 2) = \Phi(2) - \Phi(1) = 0.9773 - 0.7421 = 0.2352$$