

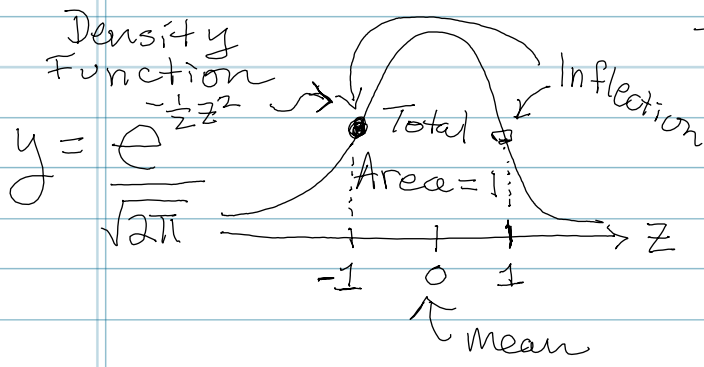
Section 6.2

The Standard Normal Distribution

This is the distribution of z-scores

$$z = \frac{x - \mu}{\sigma}$$

of values, x , from a normal population.

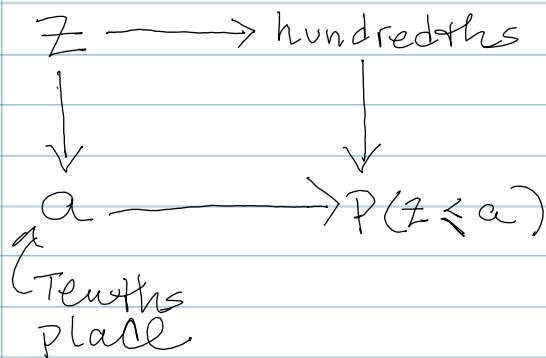


The mean of z-scores is
 $\mu_z = 0$

The std. dev. is
 $\sigma_z = 1$

Table A1 gives areas under the standard normal probability density function to the left of a z-score that you look up.

Table A1



This area represents $P(Z \leq a)$

