Homework 2 of R

Due: 2011/11/07

iv at page 20 in the lecture note (Getting Started With R)

- iv. According to the example 6, you may try to change sigma and observe the power when sample size increases. (T = 50, 100, 200, 300, 500)
 - (1) Let Δ = 1 and σ = (0.5, 1, 1.5, 2, 3, 4, 5, 6, 7, 10). For each σ , you can evaluate how power changes with different sample size. Draw a power curve like example 6 and explain the result you observe.
 - (2) Please try to change the variance of x_2 . Dose this change affect test performances and in what direction? Draw a power curve like example 6 and explain the result you observe.