機率與統計

- Text book: Applied Statistics and Probability for Engineers, by Douglas C. Montgomery and George C. Runger, 6 ed. 歐亞圖書

- Reference book:

  1. Fundamentals of Probability with Stochastic Processes, by Saeed Ghahramani, 3 ed. 2004, 新月/東華.

  2. Probability & Statistics for engineers and scientists, by Ronald E. Walpole, Raymond H. Myers, Sharon L. Myers and Keying Ye, ninth edition,東華.

  3. Probability and Statistics for Engineers, by Scheaffer, Mulekar and McClave, Fifth edition, 華泰.

- 成績考核:點名:10%, 小考:12%, 兩次期中考各佔25%, 期末考:28%

- 課程內容: ch2~ch7

Ch 2 Probability

Ch 3 Discrete Random Variables and Probability Distributions

Ch 4 Continuous Random Variables and Probability Distributions

Ch 5 Joint Probability Distributions

Ch 6 Descriptive Statistics

Ch 7 Sampling Distributions and Point Estimation of Parameters

- 每次考試請帶工程用計算機

- 有人問牛頓，為什麼他能夠有這麼偉大的發現(微積分)，牛頓答道：「我始終把思考的主題像一幅畫般擺在面前，再一點一線的去勾勒，直到整幅畫慢慢的凸顯出來。這需要長期的安靜與不斷的默想。」