STOCHASTIC METHODS IN FINANCE 2021–22 STAT0013

Alexandros Beskos

Exercises 1 - Time Value of Money

- 1. To what amount will £1,000 accumulate after n years at 10 percent compounded annually?
- 2. How many years will it take for £500 to grow to £1,039.50, if invested at 5 percent compounded annually?
- 3. After examining various personal loan rates available to you, you find Atlasype in pure whinds from fractic chapter at 12% element at 12% element of the monthly, or from a bank at 13% compounded annually. Which is the best deal?
- 4. What interpreted the present at 3 percent per annum with continuous compounding?
- 5. A bond payed couple of the land and land we continuous compounding) what is the present value of the bond? How much will its value change if the discount rate is 8.25%?