

Life Insurance - practicals 2017/2018

Homework 2-3

Plot the net single premiums for the following capital life insurances and life annuities for different ages (x from 20 to 60 per 1y) and recent life tables (male, female, unisex):

1. Pure endowment for $n = 65 - x$ years.
2. Term insurance until 65 years, i.e. for $n = 65 - x$ years.
3. Endowment for $n = 65 - x$ years
4. Life annuity due for $n = 65 - x$ years
5. $m = 65 - x$ year deferred life annuity due (payment starts at 65)

Use the sum insured $SI = 10\,000$. Please add a short (one or two sentences) to each graph to explain/interpret the behaviour of the net single premiums.

Please send a file with the results in the format *surname_name_hw23.pdf* to my e-mail.

DEADLINE: January 8, 2018