

Assignment 3

Jacob Jameson

Due Feb 27

1. Construct this decision-analytic model in TreeAge (or another software package) using the information provided in the paper.
2. Calculate the life expectancy for each strategy for at least one of the age/gender groups. Note: for background mortality, use the 2018 US life tables. These are published by the National Center for Health Statistics:
 - Go to https://www.cdc.gov/nchs/products/life_tables.html
 - Click on the pdf link for the “United States Life Tables, 2020” (NVSr Volume 71, Number 1)
 - On pages 17 and 19 in this document (Tables 2 and 3, top of page) there are links to download 2020 life tables for men and women respectively.
 - In these spreadsheets, the first column (qx) provides annual mortality probabilities.
3. Compare your results with those shown in Table 3 of the paper, and discuss potential reasons for any discrepancies (besides the different life tables).
4. Perform one-way sensitivity analysis on 2 of the key variables.