

Assignment for September 26

- On September 26, actuaries from OneAmerica will be here to answer your questions and to ask you questions. Group 10 will lead the discussion around the errors identified and how to fix them.
- Each group (except Group 10) should prepare a summary of the work done to validate the data. Please keep in mind the requirements of ASOP 23. This should be no longer than one page plus an appendix that summarizes the errors found. The highlighted person on the groups list should draft the first copy of the summary of work done. This is often called a “strawman.” Once the strawman is done, then you should share it among the group and develop a final copy that you (as a group) are happy with. The highlighted person on the list is ultimately responsible for the final document which must be emailed to me no later than Noon on Wednesday, September 25.
- Each group will be given a subset of the data. Going forward, you will be working with this subset.

- Using your subset of data and R:
 - Determine the range of issue dates.
 - Create a table or graph that displays the number of policies issued each year.
 - Calculate the average issue age.
 - Calculate the weighted average issue age using the specified amounts as weights.
 - Determine the range of issue ages.
 - Create a graph which displays the number of policies with issue ages in decennial age ranges. Decennial age ranges are 0-9, 10-19, 20-29, etc.
 - Create a graph that displays the number of policies in each underwriting class.
 - Create a graph that displays that number of policies in each substandard rating.
 - Create a graph that displays that number of policies with each premium mode.
 - Calculate the average specified amount.
 - Calculate the average specified amount by year of issue. In other words, what is the average specified amount for policies issued in 1932? In 1933? Etc.
 - Create a graph that displays the number of policies in each status.

- Turn the answers to the above questions and the R code into your TA prior to the start of class on September 26.