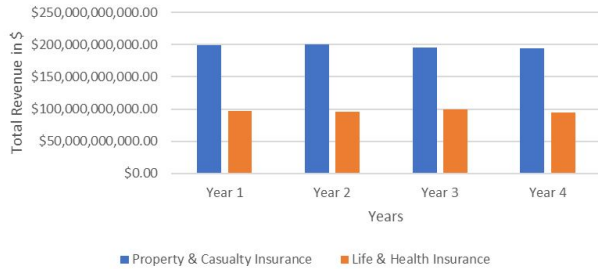# Project: Analyze NYSE Data

Rebecca Agyei

Are the Total Revenues of Life & Health Insurance and Property & Casualty Insurance similar?


Total Revenue for Life & Health Insurance compared to Property & Casualty Insurance for Year 1 to Year 4

Total Revenue Trend for Life & Health Insurance compared to Property & Casualty Insurance for Year 1 to Year 4

Looking at graphs, Property & Casualty Insurance generate more revenue compared to the Life & Health Insurance Industry.

Also, across the 4 years, there has been no significant increase or decrease in the Revenues of these industries.
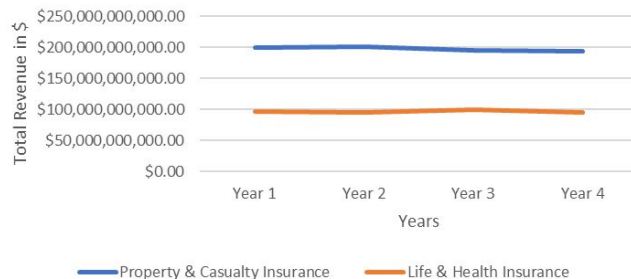
The mean for Life & Health Insurance is $51 billion whilst that for Property & Casualty Insurance is $39 billion. The median for Life & Health Insurance is $23 billion whist that for Property & Casualty Insurance is $21 billion. This goes ahead to confirm that the data is right or positively skewed. The mean might therefore might not paint the actually picture here. There are also some outliers in the data which can affect the mean.

Contd.

Box and Whisker for Life & Health Insurance and Property & Casualty Insurance for Year 1 to Year 4
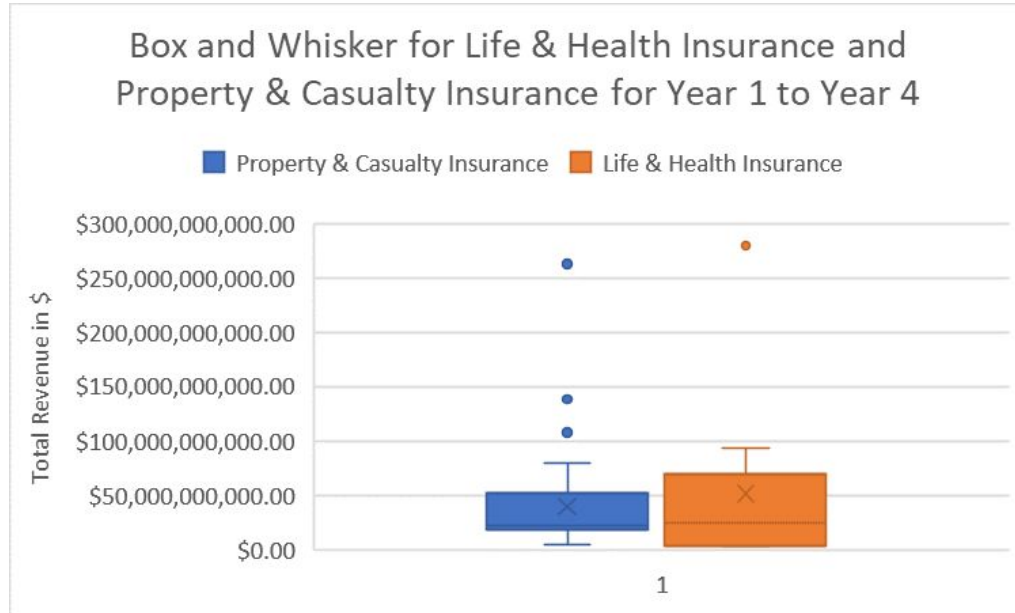
Looking at the spread of the data, the standard deviation of the Life & Health Insurance is $67 billion whilst that for Property & Casualty Insurance is $46 billion which can be confirmed from the Box and Whisker plot how spread the data is.

Also, the range for Life & Health Insurance is $276 billion whilst that of Property & Casualty Insurance is $258 billion meaning the range for Life & Health Insurance is more spread out indicating significant variability in the total revenues.

Overall, between 2012 and 2015, the Property & Casualty Insurance Industry generated more than double ($789 billion) of the revenue generated by the the Life & Health Insurance Industry ($386 billion).