

The Regal Swans – Checkpoint 5

Ruijie Yu, Russell MacQuarrie

In this checkpoint, the goal of our team was to analyze texts in allegations and lawsuits, attempting to locate additional trends unavailable from numerical data.

For the first part, we assessed whether police officers receive more-severe allegations across their careers. Using NLP to transform texts from the complainants and a scatter plot to visualize the results and by calculating the correlation coefficient, we concluded that there is quite an insignificant correlation factor between the seniority of an officer and the severity of allegations which said officer receives.

For the second part, we evaluated whether police lawsuits are likely to include the experience of officers into consideration. Similar to part one, we compared the seniority of officers and the severity of lawsuit summaries and concluded that there is virtually no correlation between these two qualities.

From the results of this checkpoint and those of previous ones, we see that there is no relation between experience and severity of either allegations or lawsuit judging, but there seems to be some hidden factors leading officers to choose firearm over taser when force is used. This is the last checkpoint of our group but it may be interesting to dive deeper in finding the reason behind such a discrepancy.