Toronto marriages by the months*

Is the frequency indeed uniform, or is something else going on?

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Abstract: Does the current time of year affect one (or, more accurately, two)'s inclinations towards marriage? This paper aims to look at this question by comparing raw marriage data from Toronto to the theoretical uniform distribution that the null hypothesis proposes.

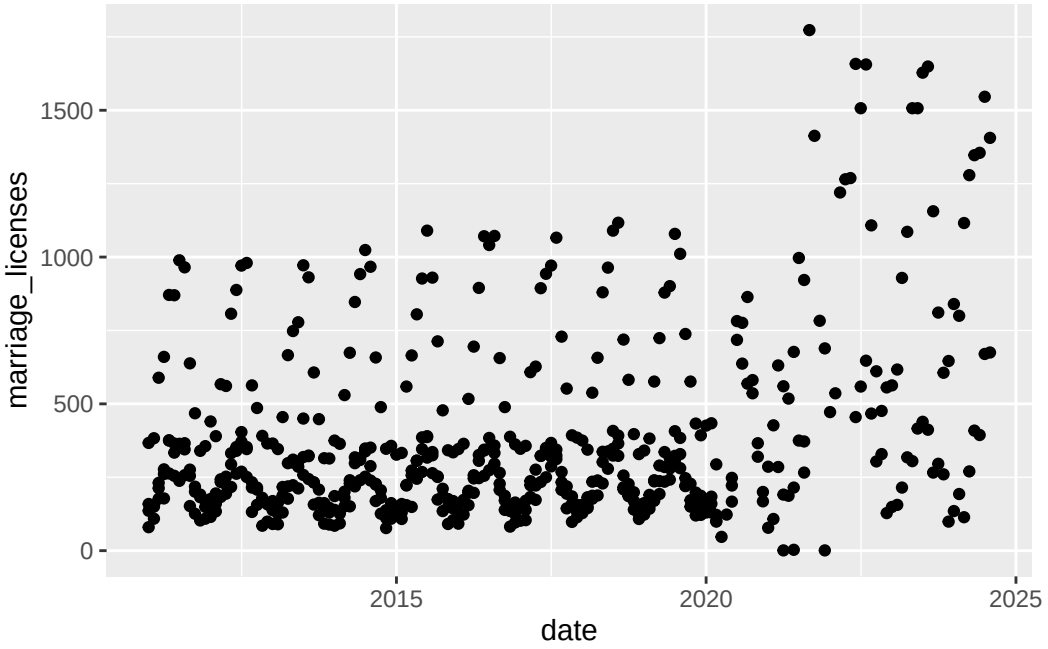

Figure 1: Marriages by date

Here is my data graph about marriages in Toronto! Notice how in Figure 1 we can see that marriages follow a 'spikey' trend, with certain extremely high data points compared to other,

*Code and data are available at: LINK.

much lower ones. If the distribution were uniform, we would be seeing, as the name suggests, a more uniform distribution of data points in the scatter plot, so this is pretty suggestive evidence that the true distribution of the population parameter is not, in fact, a uniform distribution.

1 References

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Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Grolemund, et al. 2019. "Welcome to the tidyverse." *Journal of Open Source Software* 4 (43): 1686. https://doi.org/10.21105/joss.01686.

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