

A quick note

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Abstract

This note illustrates how a draft uses the output produced by the code under
`/analysis/`

JEL-Classification: C..

KEYWORDS: TBA

*I thank Ryan Kobler for her help in setting up this template. The views expressed herein are those of the authors and do not necessarily reflect the views of the Federal Reserve Bank of Philadelphia, or the Federal Reserve System. Emails: simon.freyaldenhoven@phil.frb.org

1 The only section

- We use bibtex for references (e.g. Freyaldenhoven et al. [2019]).
- Ideally all numbers should be softcoded, and come directly from output. For example, in our baseline simulations setup, where we simulate the throw of two 6-sided dice, the average sum of the two throws is equal to 7.02. That way all numbers are by construction always up-to-date.
- Below, Figure 1 includes a histogram of the simulation exercise.

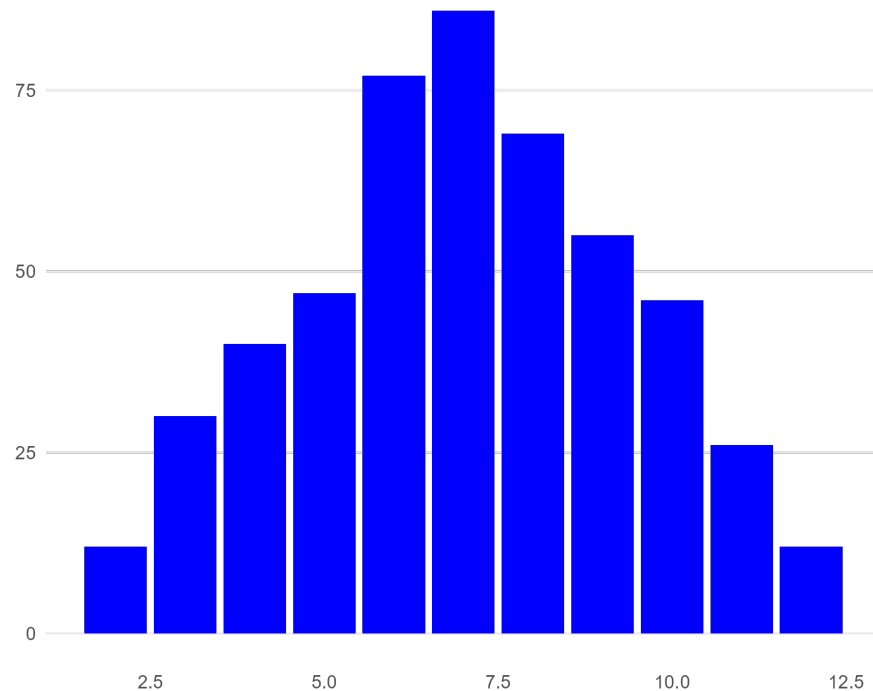


Figure 1: Numerical frequency for the sum of two six-sided die. Figure based on 500 throws.

We also include a second simulation for an 8-sided dice, where the average sum of the two throws is equal to 9.07. The corresponding histogram is depicted in Figure 2

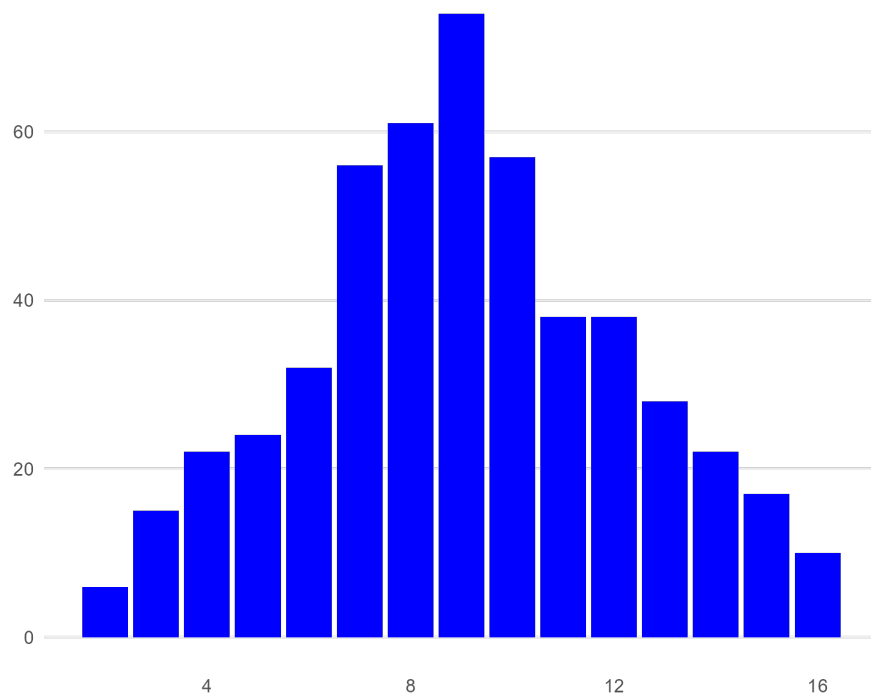
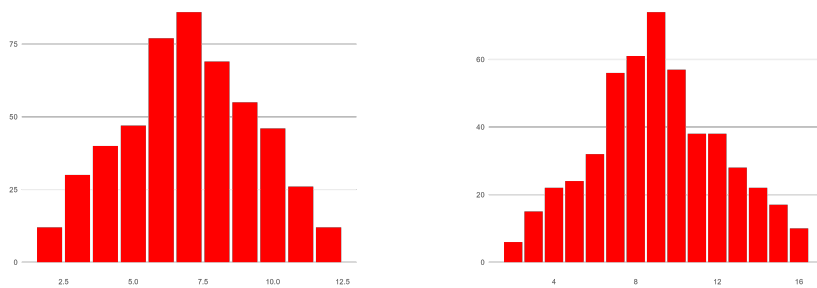


Figure 2: Numerical frequency for the sum of two eight-sided die. Figure based on 500 throws.

This is Figure 3 with both of the previous figures as subplots.



(a) Numerical frequency for the sum of two six-sided die. Figure based on 500 throws. **(b)** Numerical frequency for the sum of two eight-sided die. Figure based on 500 throws.

Figure 3: Combined plots of the simulations.

These are figures measuring the number of rolls by the current (total) sum over time. The first scatterplot, depicting rolls for two six-sided die is depicted in Figure 4

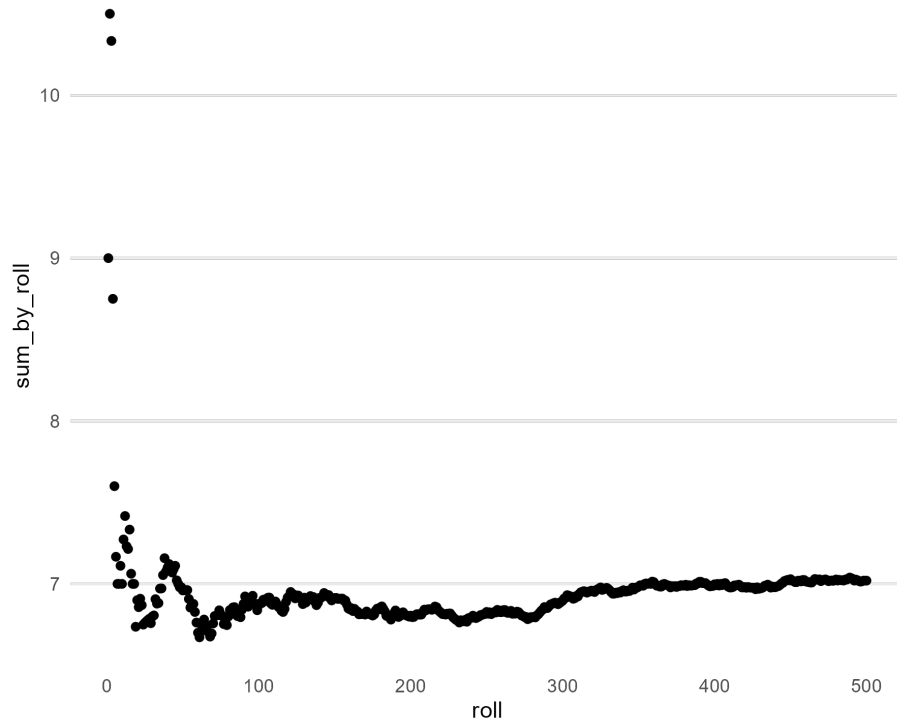


Figure 4: Mean for the sum of two six-sided die. Figure based on 500 throws. Approaches value of 7.02 with a median of 7.00 .

We also include a second simulation for an 8-sided dice. The corresponding scatterplot is depicted in Figure 5

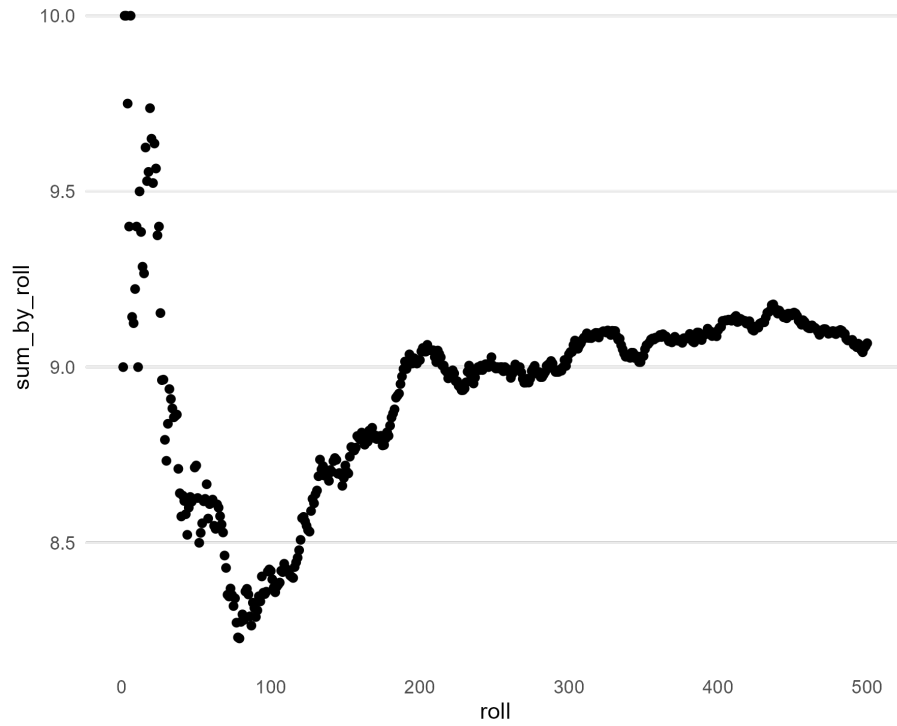
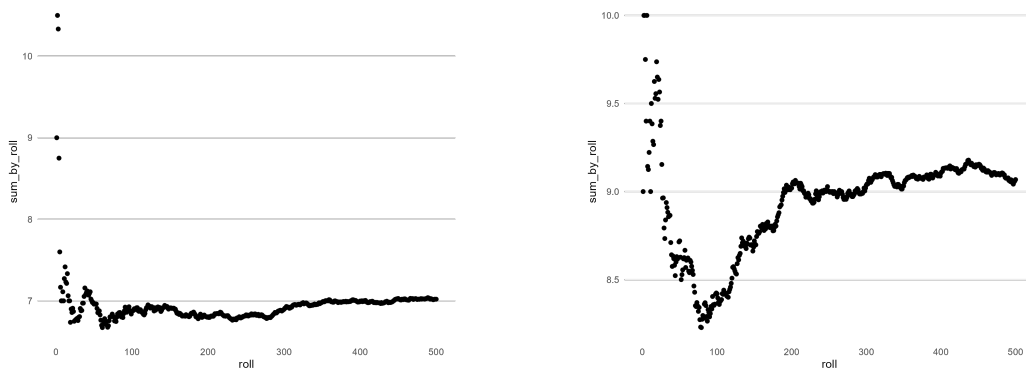


Figure 5: Mean for the sum of two eight-sided die. Figure based on 500 throws. Approaches value of 9.07 with a median of 9.00 .

This is Figure 6 with both of the previous scatterplots as subplots.



(a) Mean for the sum of two six-sided die. Figure (b) Mean for the sum of two eight-sided die. Figure based on 500 throws.

Figure 6: Combined plots of the simulations.

Finally, we add a scatter plot from an exemplary do file in Stata in Figure 7.

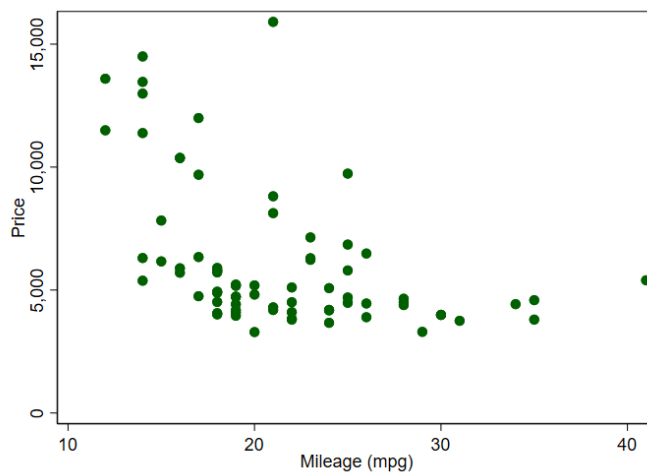


Figure 7: Stata example

References

Simon Freyaldenhoven, Christian Hansen, and Jesse M. Shapiro. Pre-event trends in the panel event-study design. *American Economic Review*, 109(9):3307–3338, 2019.