The paper/write-up (see the README.md) and the code can be found here:
https://github.com/AMMercier/ExtendRandomVariables.jl

While it didn't turn out exactly how I wanted to, I found this a valuable introduction to Julia and the basics of the definitions for axiomatic probability and random variables. Moreover, the class was great!

Additionally, there are still some bugs to fix and optimizations to perform for the package.

Have a great summer.

- *Alexander M. Mercier*