This is perhaps the best known database to be found in the pattern recognition literature. Fisher's paper is a classic in the field and is referenced frequently to this day. (See Duda & Hart, for example.) The data set contains 3 classes of 50 instances each, where each class refers to a type of iris plant. One class is linearly separable from the other 2; the latter are NOT linearly separable from each other. [1]

I considered using violin plots, but decided not to consider the caveat on the seaborn docs: “keep in mind that the estimation procedure is influenced by the sample size, and violins for relatively small samples might look misleadingly smooth” [4]. As the sample size for each species is only 50, the violin plots would likely be misleading, and the swarm plots superimposed on box plots would be less deceptive, if less pleasing to the eye.

[1] <http://archive.ics.uci.edu/ml/datasets/Iris>

[2] <https://warwick.ac.uk/fac/sci/moac/people/students/peter_cock/r/iris_plots/>

[3] <https://realpython.com/linear-regression-in-python/>