

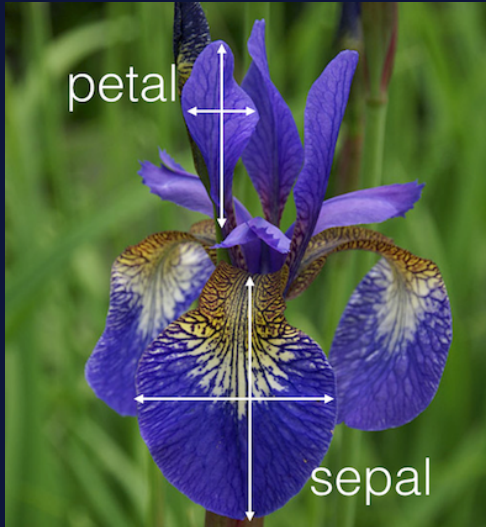
Introduction to the RDVW's

# MATLAB Hands-on Session

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# An introduction using Fisher's Iris

- Measure of 50 plants from each of these Iris species: *setosa*, *virginica*, and *versicolor*.
- Four measures given: sepal length, sepal width, petal length, and petal width.



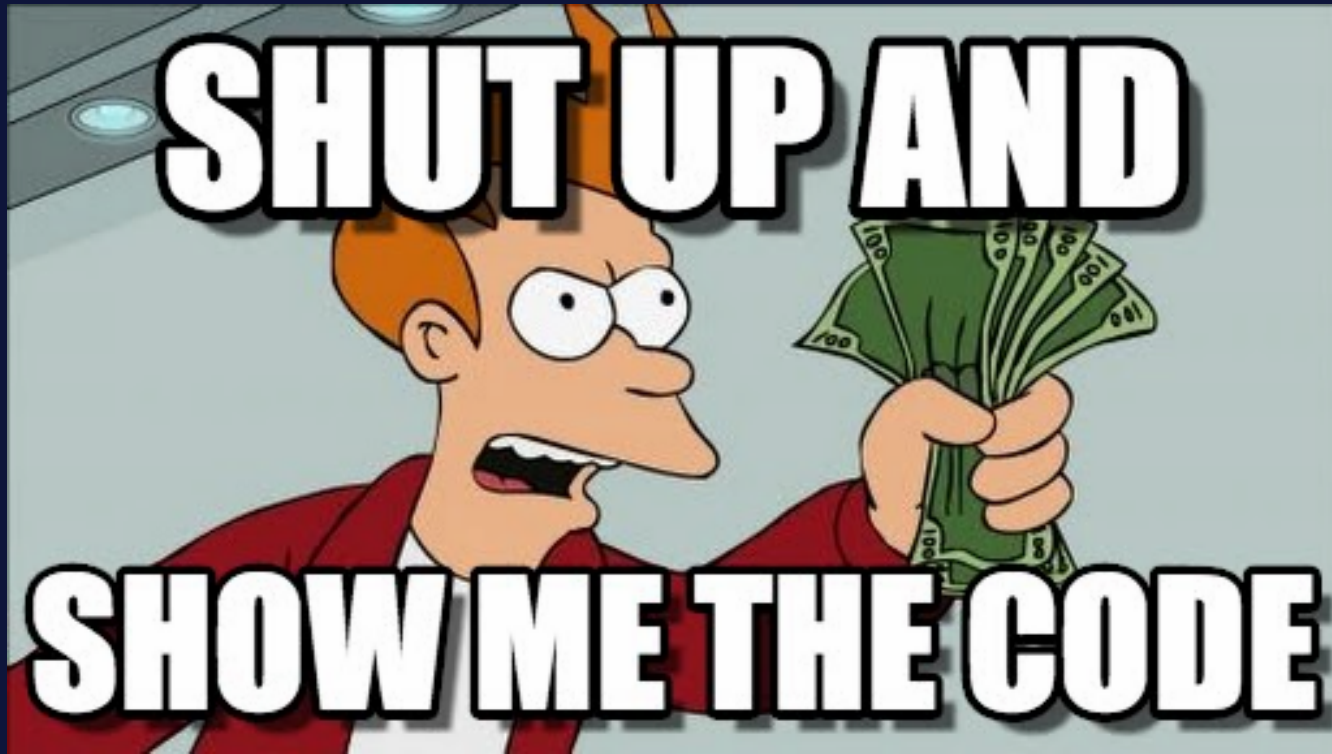
Setosa



Virginica



Versicolor



- <https://goo.gl/s5OEC1>

# Some tips for better plots

- Rougier NP, Droettboom M, Bourne PE (2014) Ten Simple Rules for Better Figures. PLoS Comput Biol 10(9): e1003833. doi: 10.1371/journal.pcbi.1003833
- Nussbaumer C (2015) Storytelling with data: A Data Visualization Guide for Business Professionals. Wiley: New Jersey, 2015.  
\* Also, Nussbaumer's blog (<http://www.storytellingwithdata/>) and YouTube channel (<http://www.youtube.com/channel/UCjhGILWNlOxJdR2NTCBMlA>).
- Emboliform (2014) Publishing quality plots in octave. Blog post: <https://emboliform.wordpress.com/2014/01/08/printing-plots-in-octave/>.
- Cresspahl (2012) High quality plots in octave. Blog post: <http://cresspahl.blogspot.de/2012/05/high-quality-plots-in-octave.html>.

# Resources used

- LibreOffice Presentation 5.1.5.1
- GNU Octave 4.0.3
- de Siqueira, A.F. Octave: Seus primeiros passos na programação científica. São Paulo: Casa do Código, 2015.
- <http://www.math.uah.edu/stat/data/Fisher.html>
- [https://en.wikipedia.org/wiki/Iris\\_setosa#/media/File:Kosaciec\\_szczecinkowaty\\_Iris\\_setosa.jpg](https://en.wikipedia.org/wiki/Iris_setosa#/media/File:Kosaciec_szczecinkowaty_Iris_setosa.jpg)
- [https://en.wikipedia.org/wiki/Iris\\_versicolor#/media/File:Blue\\_Flag,\\_Ottawa.jpg](https://en.wikipedia.org/wiki/Iris_versicolor#/media/File:Blue_Flag,_Ottawa.jpg)
- [https://en.wikipedia.org/wiki/Iris\\_virginica#/media/File:Iris\\_virginica.jpg](https://en.wikipedia.org/wiki/Iris_virginica#/media/File:Iris_virginica.jpg)
- <http://www.memegen.com/meme/q647w4>

# Thanks!

