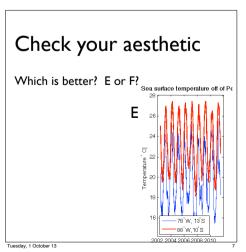
#### **MATLAB**

#### Pretty your figures

Tuesday, 1 October 13

# 



### Show your data to best advantage

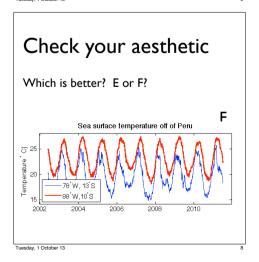
Figures are one of the major way we show scientific results. Plots of the data, time series, maps, scatter plots, profiles, sections are all ways of delivering information.

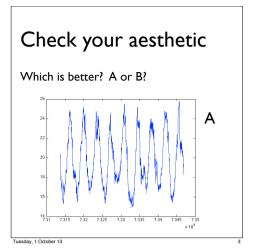
Simple choices that you make while designing your figures can enhance your ability to make a point to the reader/ viewer.

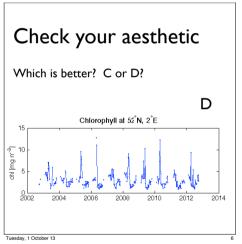
Tuesday, 1 October 13

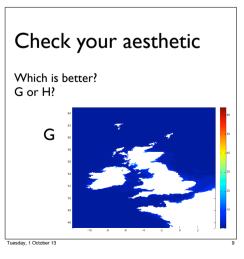
# Check your aesthetic Which is better? C or D?

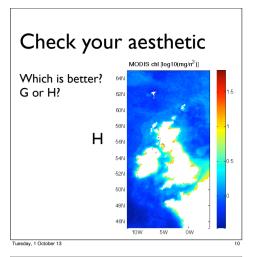
Tuesday, 1 October 13











#### More ways to pretty your figures

#### Advanced: Install the ilab toolbox, freely available from imlilly.net

- % Download the jlab package from here: http://jmlilly.net/jmlsoft.html
  % These are a set of functions that were created by oceanographer
  % Jonathan Lilly.

- \* Follow these instructions carefully:

  1 . Lownload the jlab-current.rip file and put it in a folder near
  your Matlab files for this course

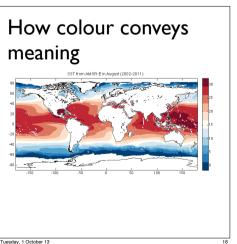
  2 . Extract the file: Using the Windows explorer, find the zip file,
  right click it, and chose "extract".

  3 . Determine the location of this Tolder. This is a little tricky.
  One way to do it is to navigate to the jlab Tolder in Matlab (using
  the "current folder" and triple dot choice. Once you're in that
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- What this all has done.
  You have downloaded a package of Matlab functions and put them on your a computer. Matlab won't "see" them unless they're on Matlab's search path (the list of folders where Matlab will olok for functions). The search a path always includes the current folder, which is why we've been putting a files we need into the current folder, but by setting your path, you a don't need to put all the files you want to use in the same directory as Matlab's "current folder".

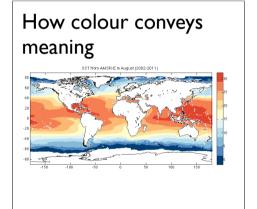
Tuesday, 1 October 13

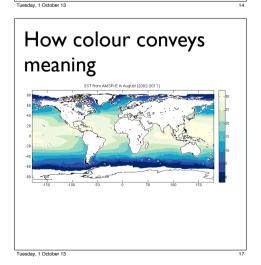




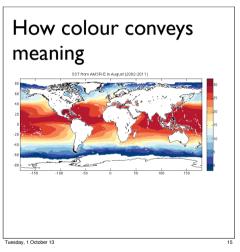


Tuesday, 1 October 13



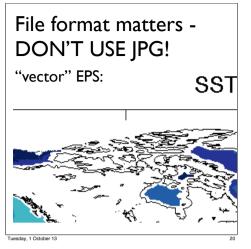


## Check your aesthetic Which is better? I or |? AMSR-E SST off of Peru





# File format matters - DON'T USE JPG! lossless "raster" PNG:



#### Review

- I. Think about what your figure is showing.
- 2.Use sensible aspect ratios, line styles, and when in doubt, label everything!
- 3. Colour conveys meaning.
- 4.Export your figures as \*.PNG (for raster) or \*.EPS (for vector) never \*.JPG!

esday, 1 October 13

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