

Aclaration to Excercise 1

Dear students,

to avoid confusions, the numerical files that we were using during the Exercise last Wednesday are magnetic measurements. However, please don't try to interpret them in terms of geophysical/geological signatures. That would be impossible as you don't know the characteristics of the site and it would be unfair, as we haven't discussed the magnetic method in class.

Remember that this exercise is to make you comfortable in the use of matlab as a tool to process data. You may want to focus your conclusions sections in those improvements on the plots that you realize or at least in explaining what information you could extract from such plots. We will explain the values of such plots along the lectures in following weeks.

Hence, you can come along with conclusions regarding the histograms from unfiltered/filtered data. You should also try to come along with a description of the scatter plots, for instances, what is their difference with the histograms? and finally when the scatter plots use a color code, do they provide more information that the histograms? why? - Of course if you could come along with the gradient values and plot them in the scatter plots with color-code, you may discuss whether this gives the same patterns as the bottom or top plots.

This exercise is to make you feel comfortable with Matlab, so please feel free to add other plots or modify those that you have. Particularly when trying to extract the values for the West-East curves. Remember, for such plots x-axis goes from West to east and we are interested is to know how the top/bottom values changes for a given y-coordinate value. If this runs automatically you can try to perform such curves for every 10 units in the y-axis.

best,

Adrian