Recovery exercises for 3rd python lesson
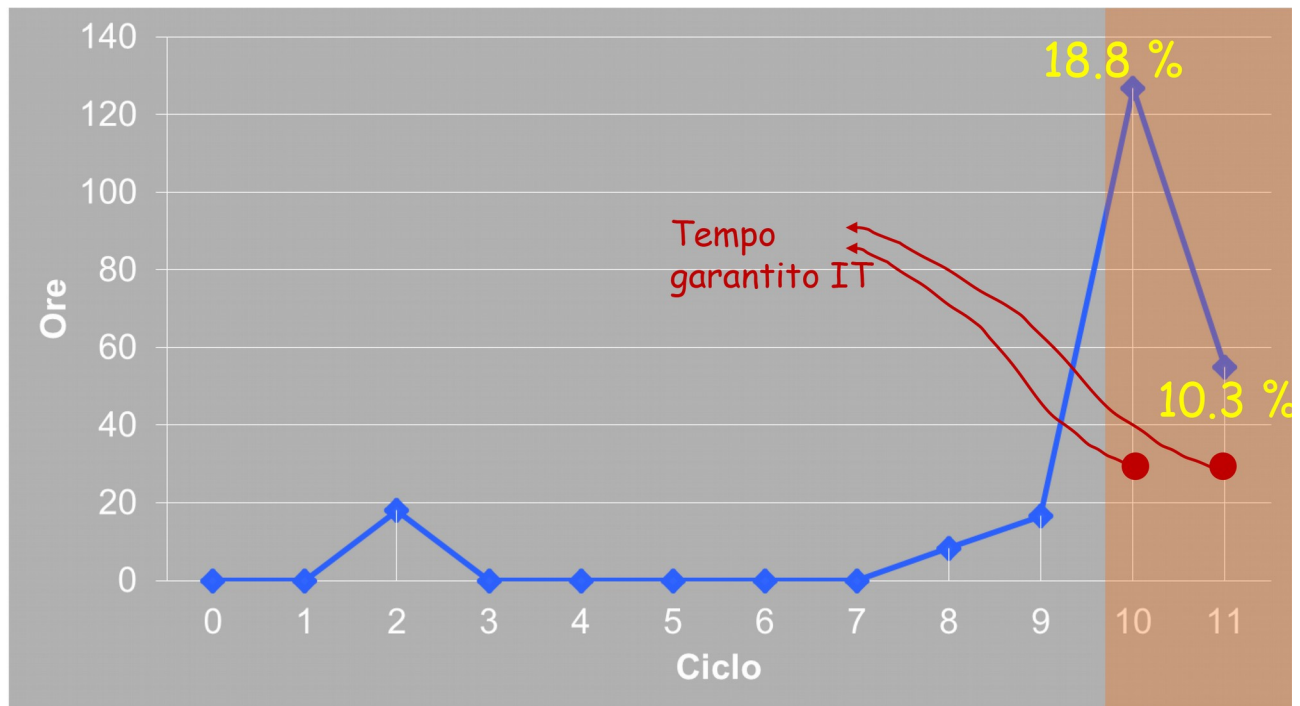
Exercise 1

Given the file data_python3.txt file vailable in the lessons repository
read the file,
write a function to fit y_data as function of x_data
(suggestion: use a sigmoid function and scipy.optimize.curve_fit with
bounds=([0., 600.],[0.01, 1200.])
plot the data and the fit function with different colors

Exercise 2

Given the figure below

representing the observation time reserved to an italian Project Investigator
(PI) in the context of an international Telescope, write the python code to re-
produce the figure, not necessarily identical, but similar as much as possible
and containing the same information. Change all labels in english language and
add a legend indicating: red-italian time, blu-total time