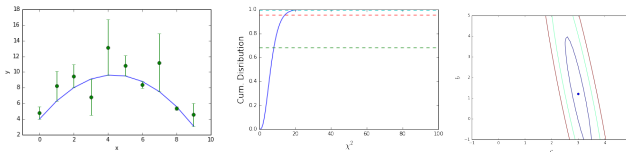


Constraints with Large Scale Structures (Group 1)



Motivation

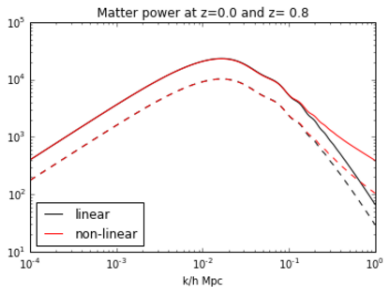
- Learn about the basic tools used to constrain cosmological parameters:
 - (a) χ^2 PDF, χ^2 Cumulative Distribution, Confidence levels
 - ...
 - (b) Programming Language (Python)
 - (c) Cosmological Tools (CAMB)

χ^2 test:

$$\chi^2 = \sum_{i=1}^n \frac{(y_i^{\text{mod}} - y_i^{\text{data}})^2}{\sigma_i^2} \quad (1)$$

CAMB

(Code for Anisotropies in the Microwave Background)



What have we done so far:

- Install it!!
- Try it (and try to understand it)