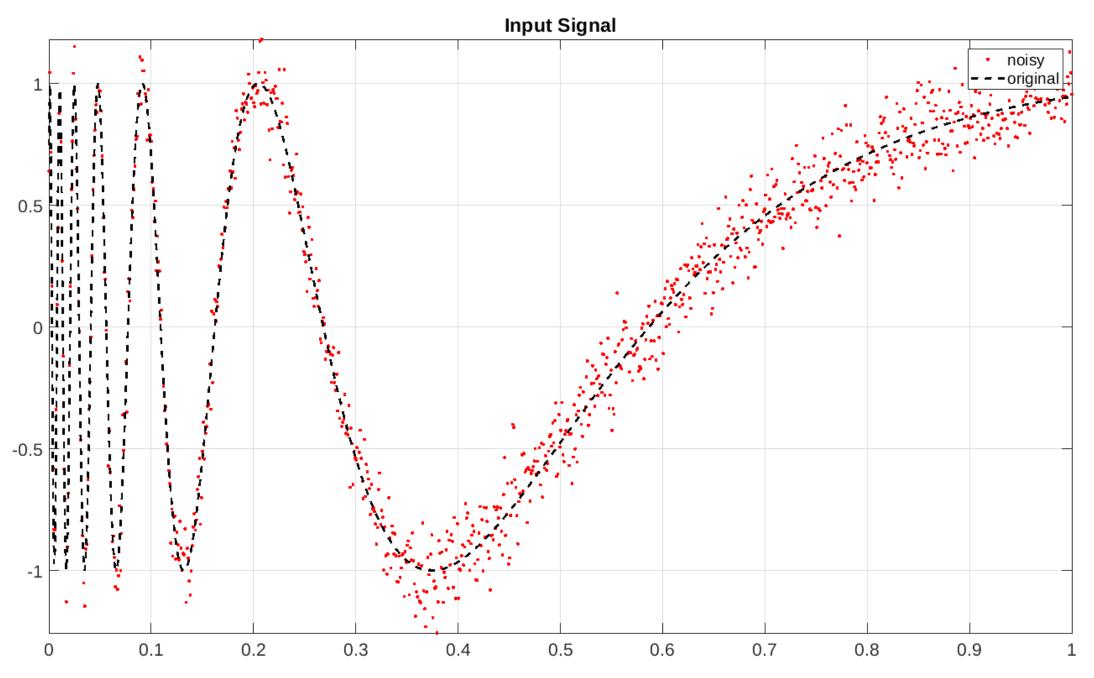
LPA with ICI rule

Mathematical Models and Methods for Image Processing

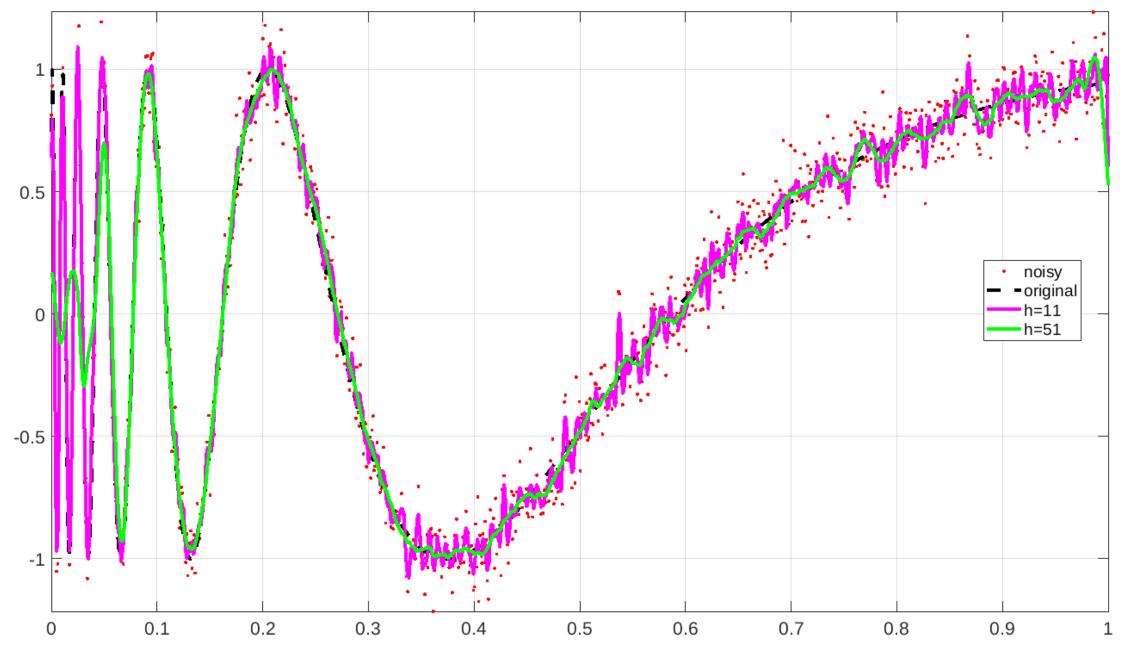
Diego Carrera

May 16th 2024

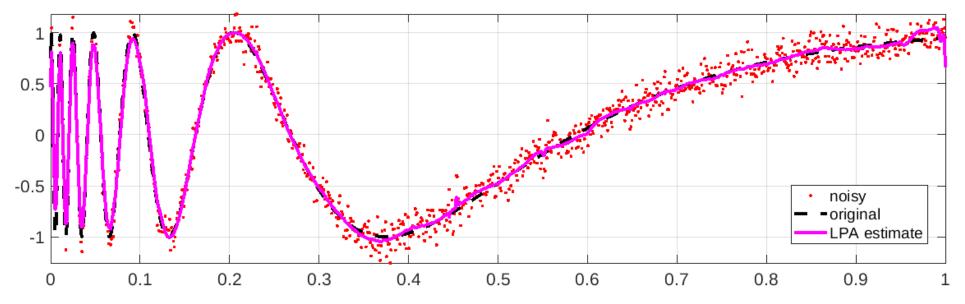


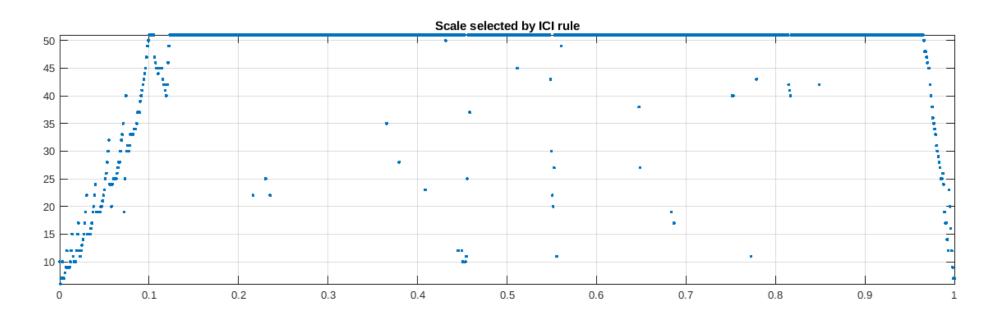
D. Carrera

N=5, Centered Window



N=5, Centered Window

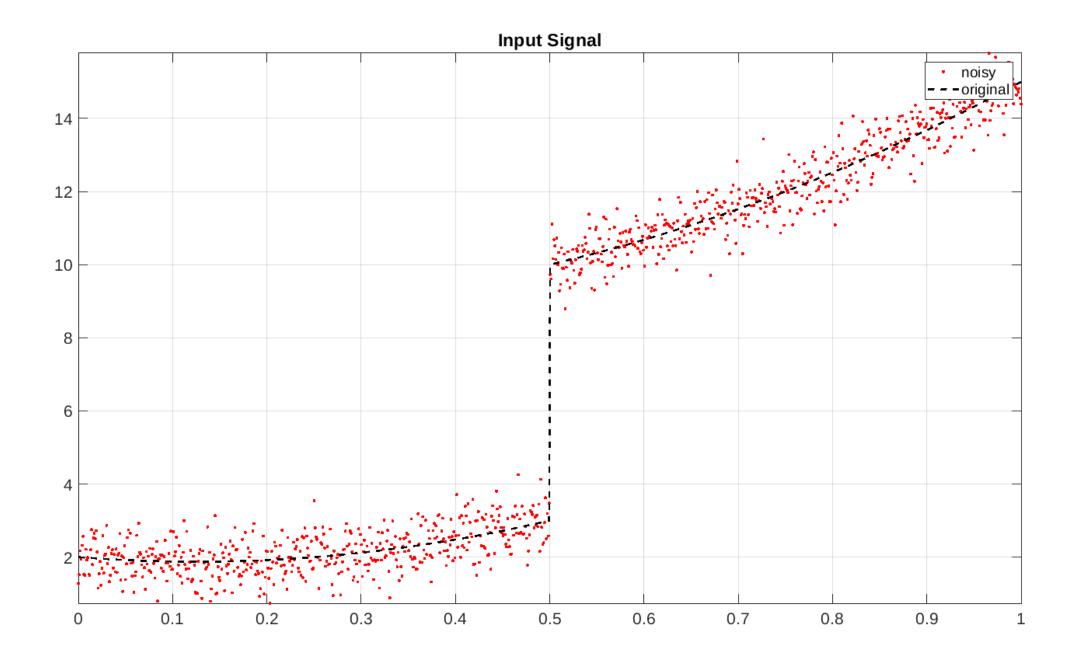


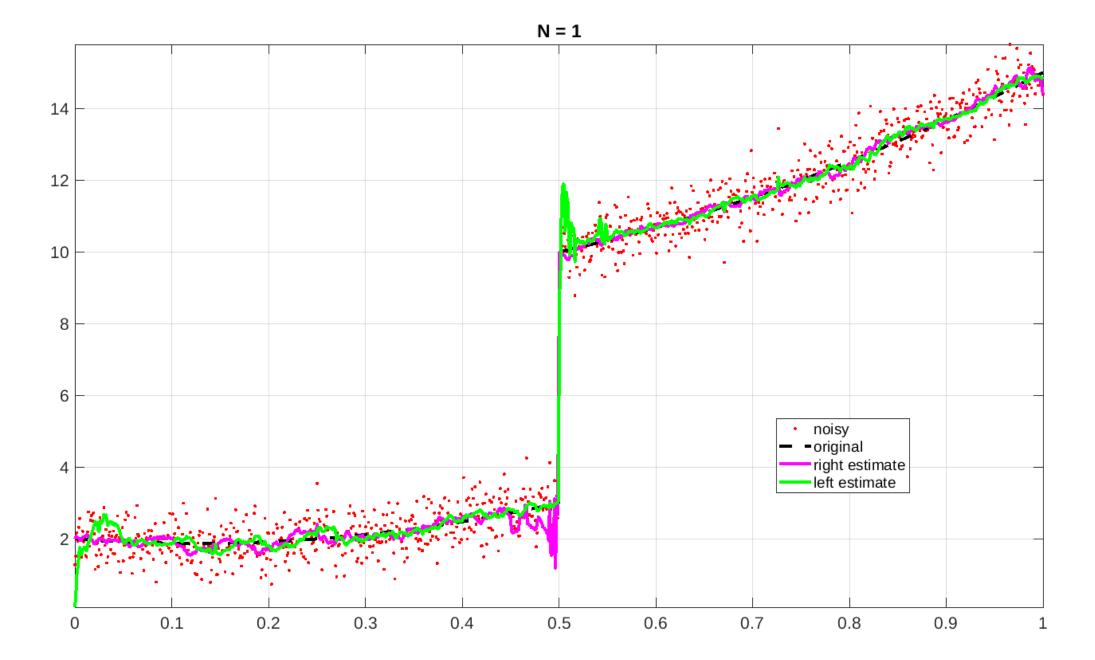


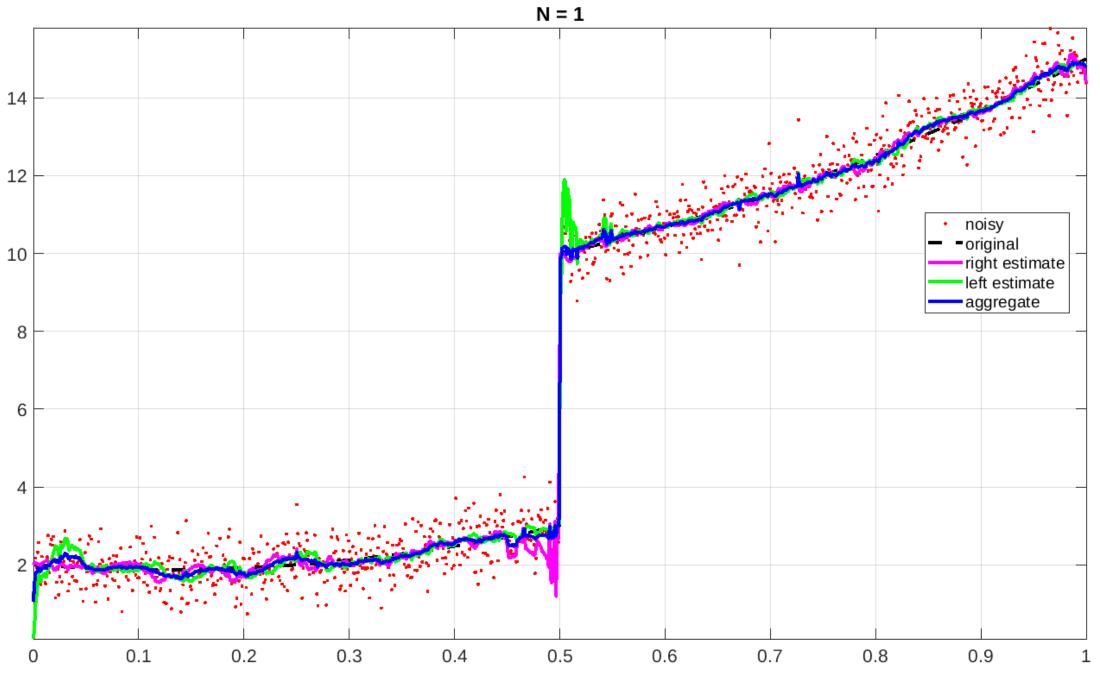
Assignment 1: LPA with ICI rule

Implement the LPA with the ICI rule to denoise the sine signal

- Start using the centered windows, then try also the left and right ones
- Try increase the degree of the polynomial N and see what happens to the bias (in the first samples of the signal) and to the variance (in the last samples of the signal)







D. Carrera

Assignment 2: LPA-ICI with aggregation

Implement the LPA with the ICI rule performin aggregation of the two estimates provided by the left and right windows.