1 comparing Picture No.1 and Picture No.2

in this comparison, we concentrate on the changes on Δx, according to the Question2, if Δx is too small( bin number is too large), the std.dev of pk\_head will increase, that is why the error bar in No.2 Picture is longer than the one in No.1 Picture.

2 comparing Picture No.1 and Picture No.3

in this comparison, we concentrate on the changes on sample number m, according to the Question2, if m is large, the std.dev of pk\_head will decrease, that is why the error bar in No.3 Picture is shorter than the one in No.1 Picture.