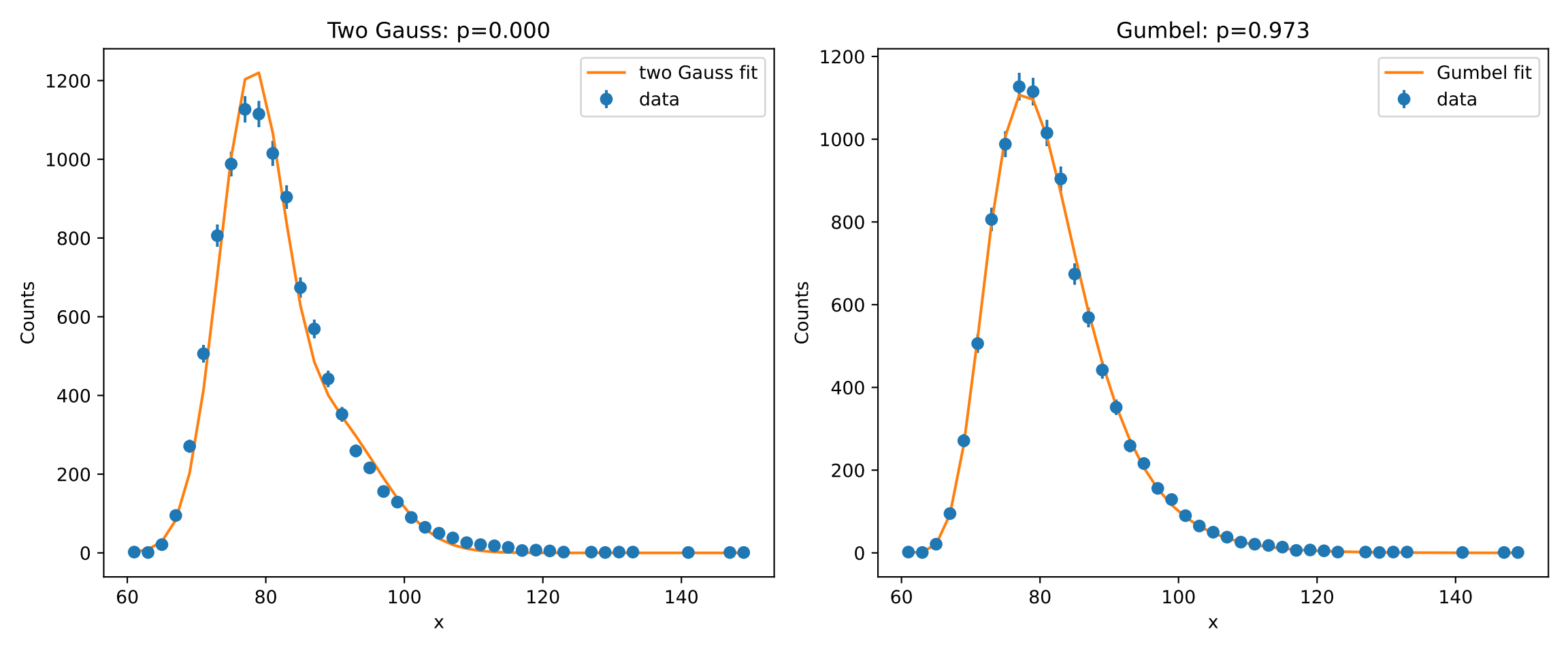
Fit Results Summary

Two Gaussian model: $\chi^2 = 258.0$, dof = 33, p = 0.000

Gumbel model: $\chi^2 = 21.5$, dof = 36, p = 0.973

Comments: Reduced chi square for the two gaussian is 7.82
while tge Gumbel is 0.60, so one has the errors over estimated while the other is underestimated. For the p values the Gaussian method has a p=0 so it can be rejected while the Gumbel clearly describes it better. From these points the Gumbel fit is a better fit with potentially over estimated errors.


Two Gauss: p=0.000
two Gauss fit
data
Counts
x
Gumbel: p=0.973
Gumbel fit
data
Counts
x