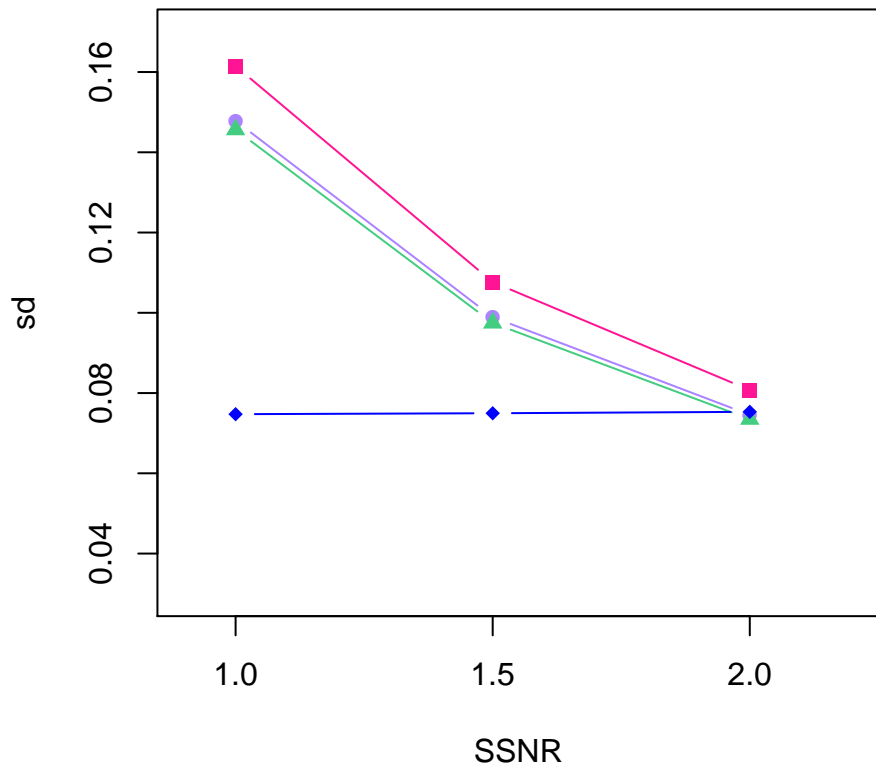Filtering step cannot significantly reduce the variance of correlated noise;
Again, deltaf transformation will lead to a slight rise of variance for weaker noise

Filtering step can significantly reduce the variance of independent noise;
Deltaf transformation will increase the variance of the noise, but why?
Actually based on theoretical analysis, the deltaf over f transformation will
make the variance of noise under different noise levels same.