



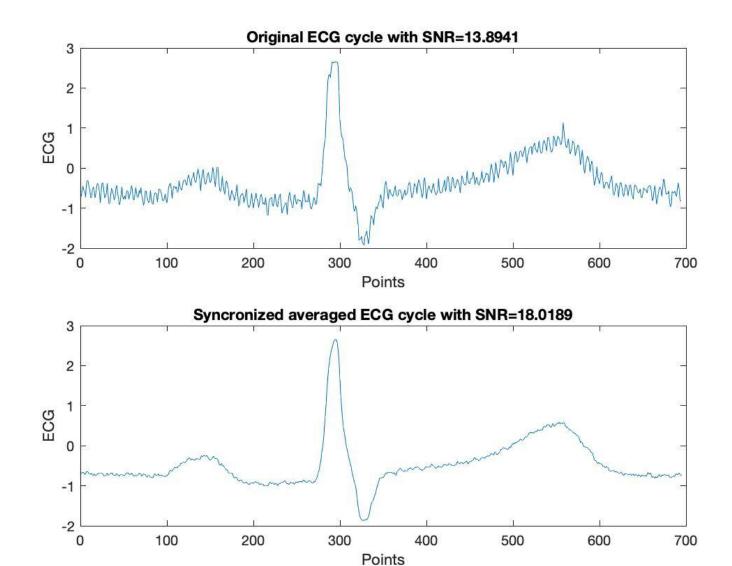
10/17 Homework 1

醫工系109 Chia-Hung Cho F94051089

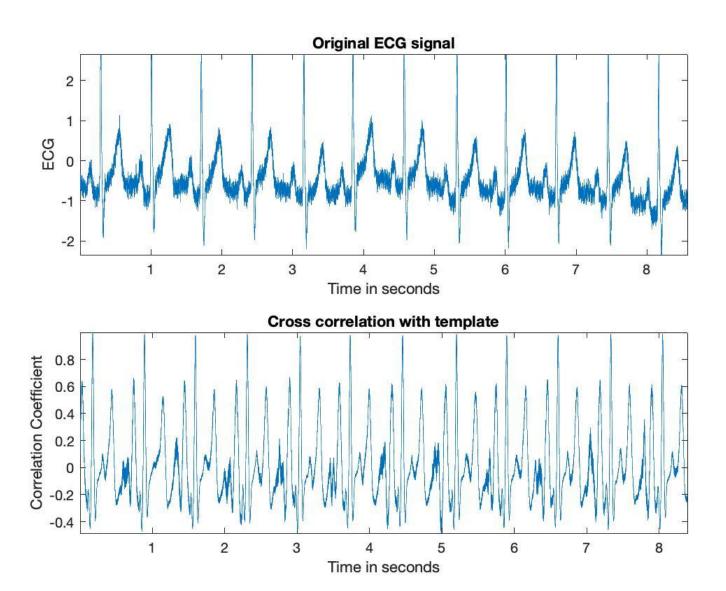


Synchronized averaging

• SNR increased by 4.1248



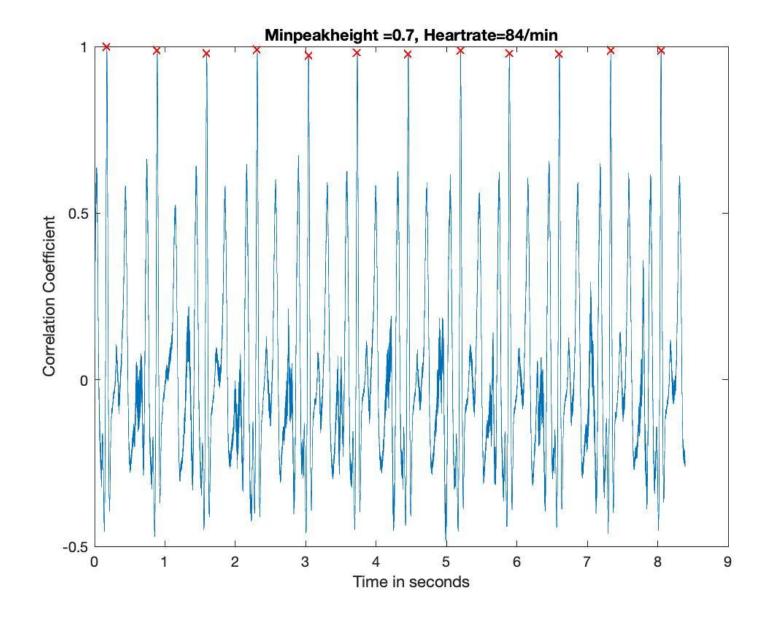
Template cross correlation





Beat Detection with different threshold

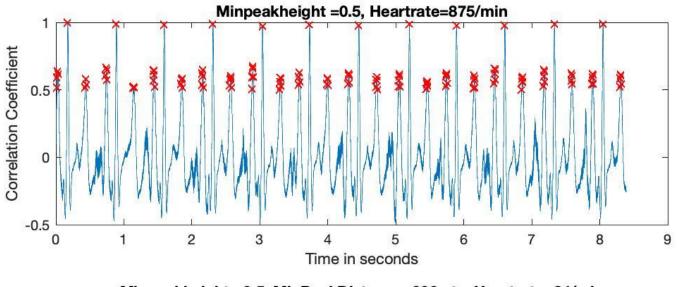
- Threshold =0.7
- Beats=84/min

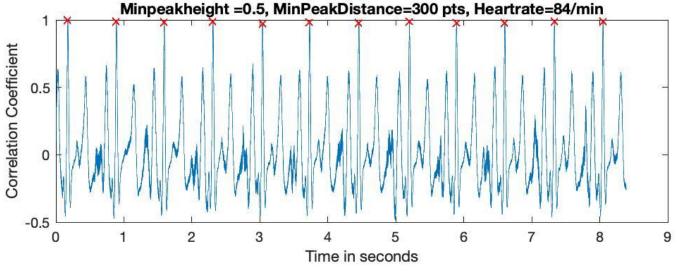




Beat Detection with different threshold

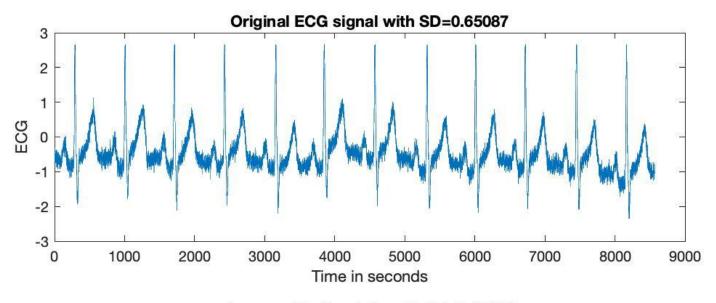
- Threshold =0.5
- Corrected by minpeakdistance=300pts
- Beats=84/min

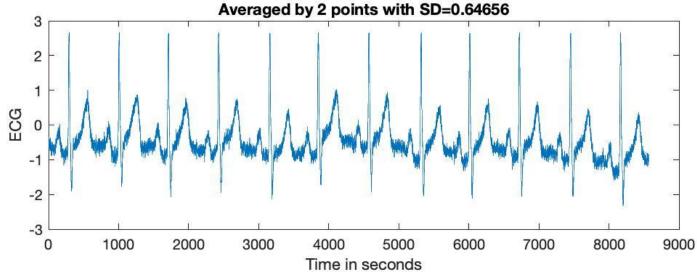




Moving averaging by 2 points

SD decreased by 0.00431







Moving averaging by 4 points

- Smoother than 2 points
- SD decreased by 0.01252

