

R-code to generate data analysis results in the manuscript appeared in JCI Insight:

*‘Predictability of individual circadian phase during daily routine for medical applications of circadian clocks’*

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Example Data in .csv (each for 2 individuals and all in 5-min resolution):

Core body temperature time series

*core.temp.exp1.csv*

*core.temp.exp2.csv*

Chest surface temperature and rest-activity time series

*chest.temp.RA.exp1.csv*

*chest.temp.RA.exp2.csv*

(To perform HMM on chest rest-activity data and compute center-of-rest timing, see R-code example in <https://github.com/huang1010/HMMS>)

Example to perform two-component cosinor analysis using example data:

*examples.cosinor.R*

All used functions:

*functions-two-component-cosinor.R*