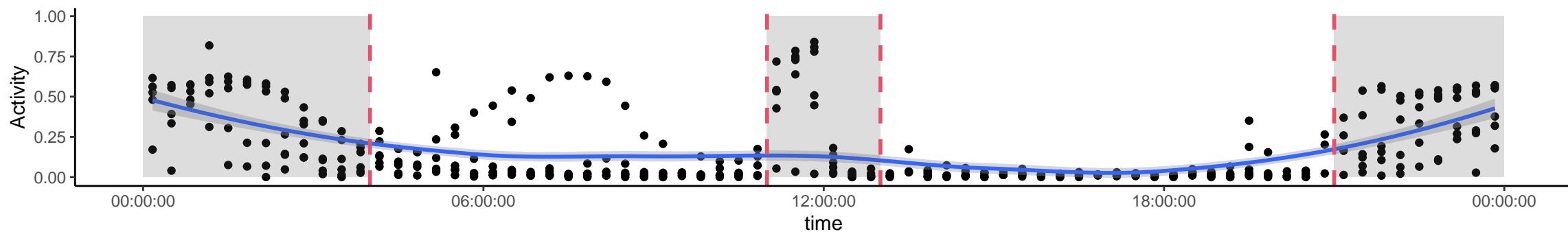


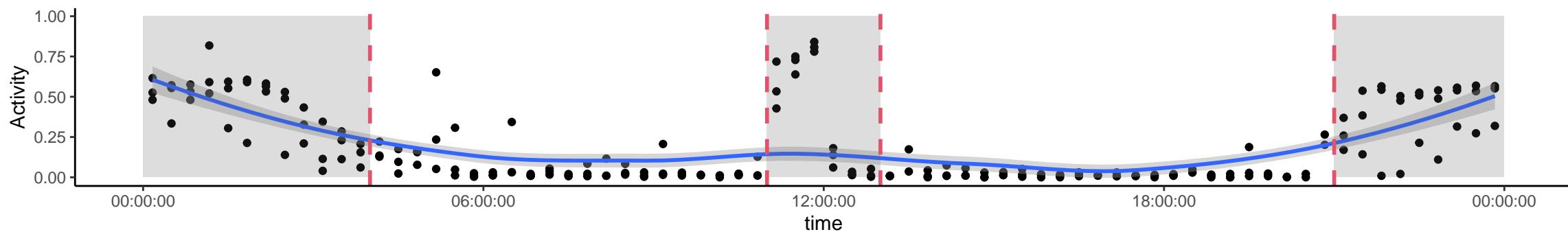
DK53341

Complete Activity



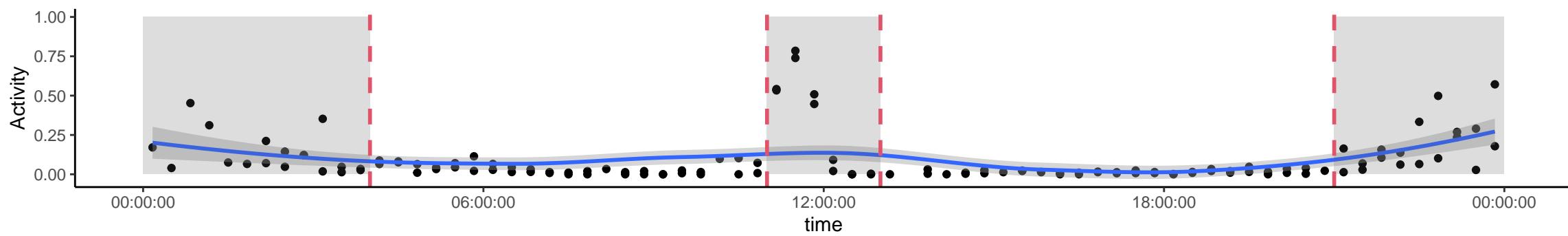
DK53341

Activity control phase



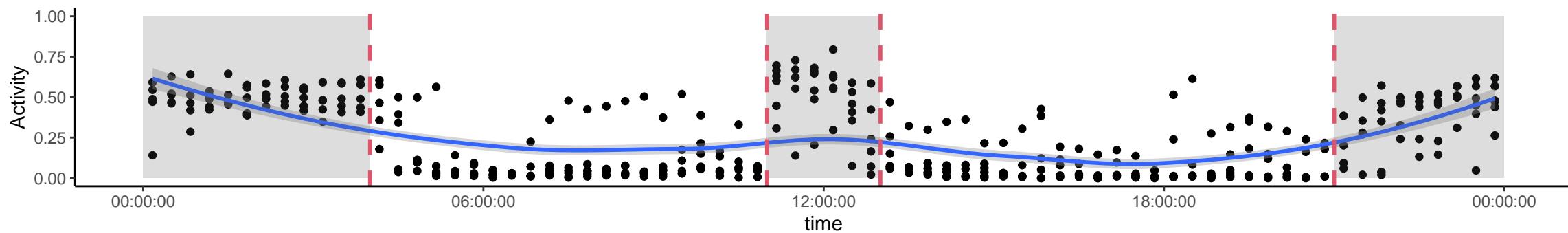
DK53341

Activity 24h light phase



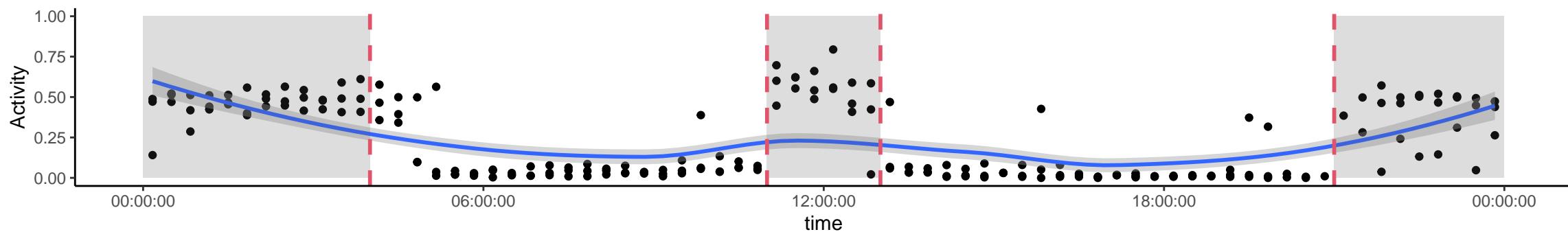
DK53256

Complete Activity



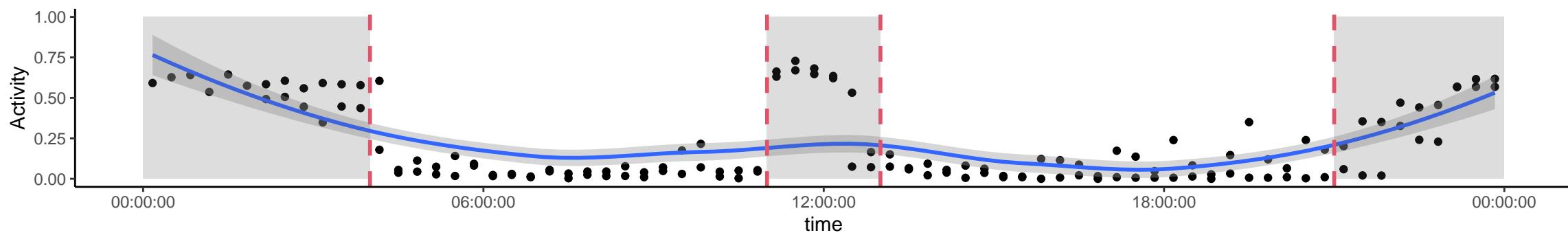
DK53256

Activity control phase



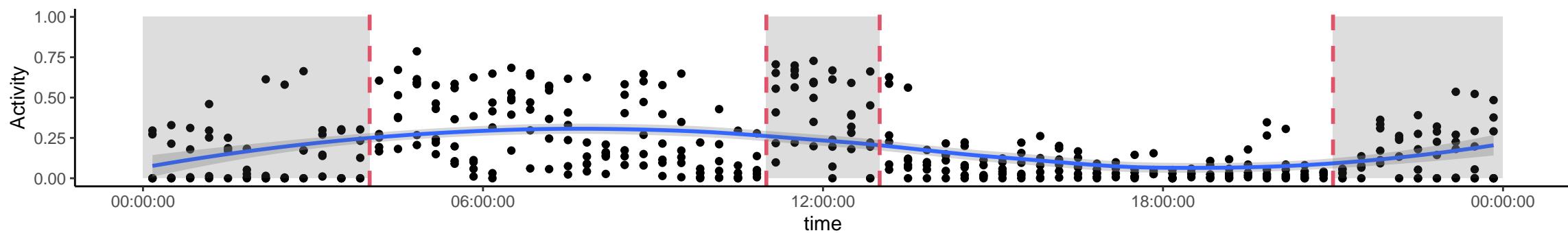
DK53256

Activity 24h light phase



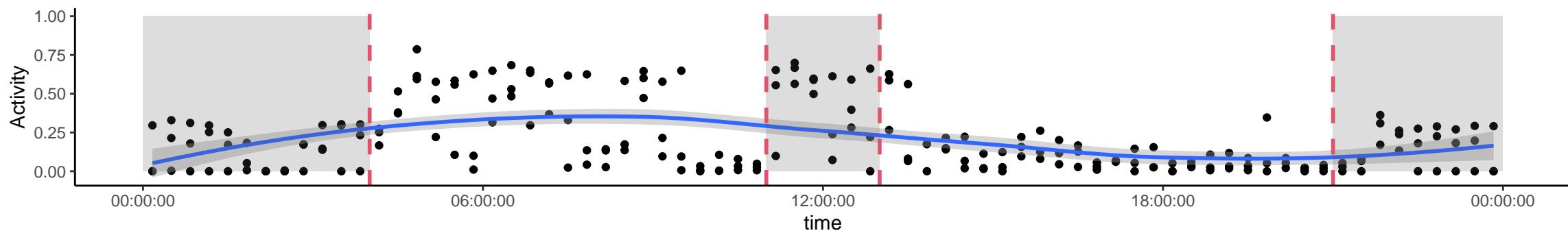
UL0277

Complete Activity



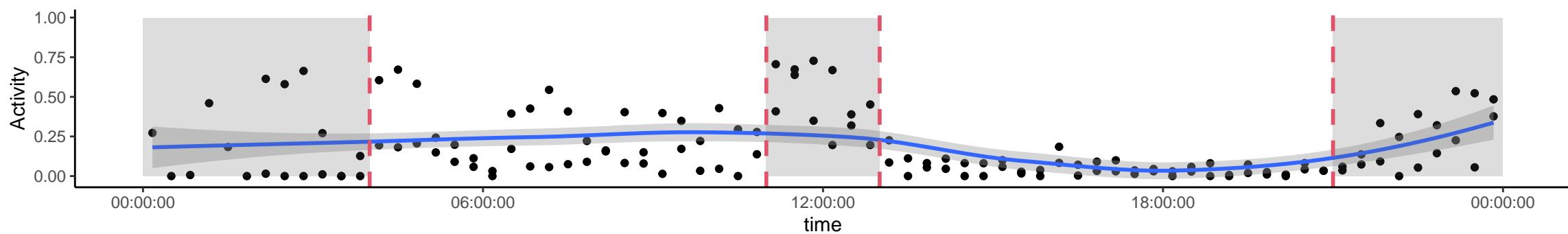
UL0277

Activity control phase



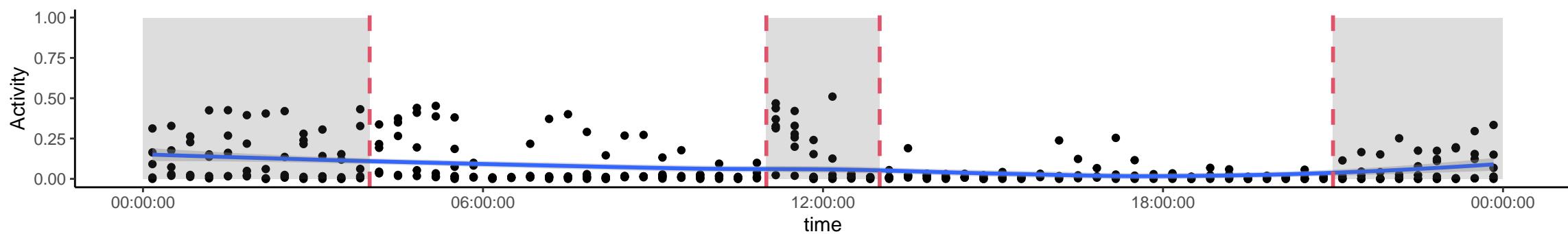
UL0277

Activity 24h light phase



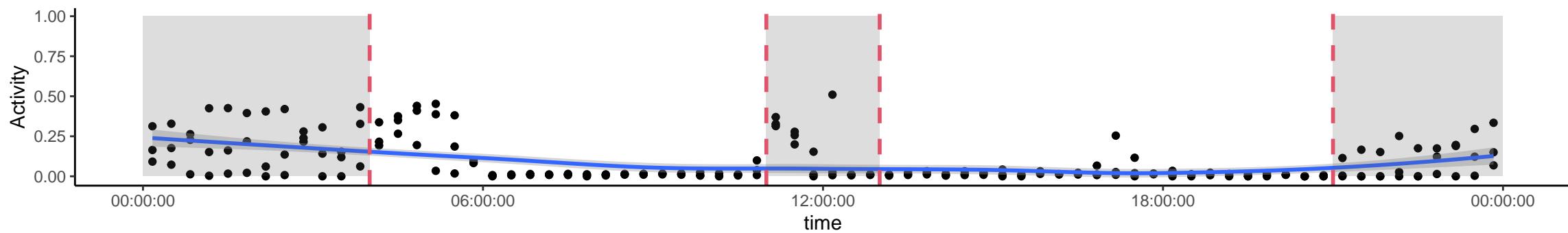
DK51988

Complete Activity



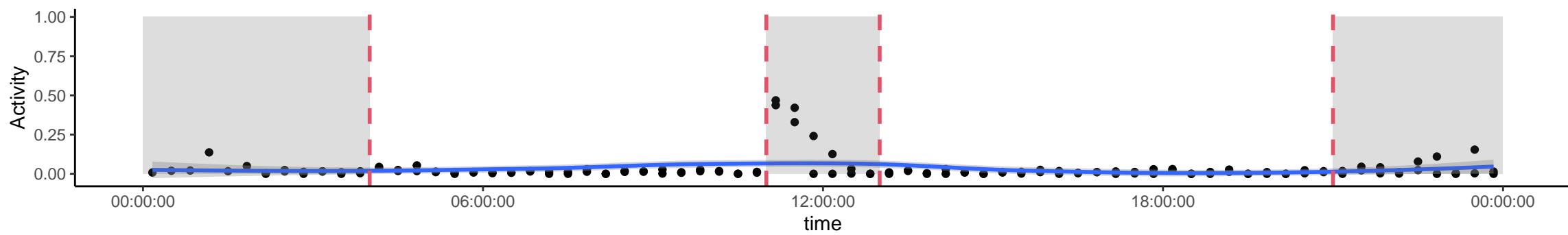
DK51988

Activity control phase



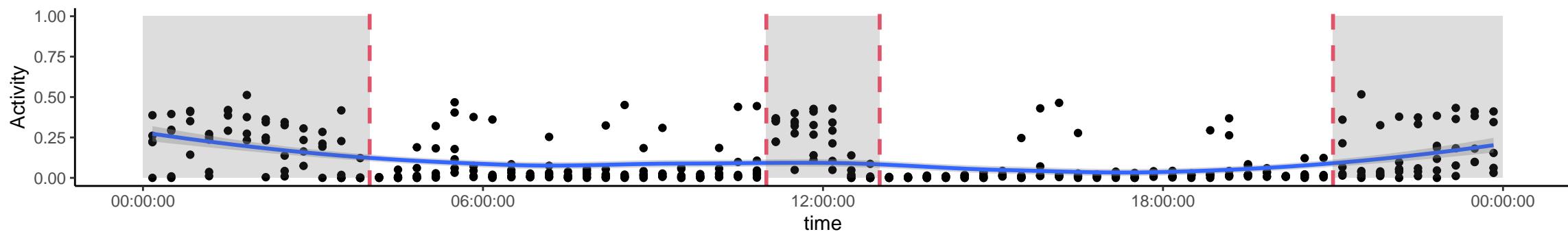
DK51988

Activity 24h light phase



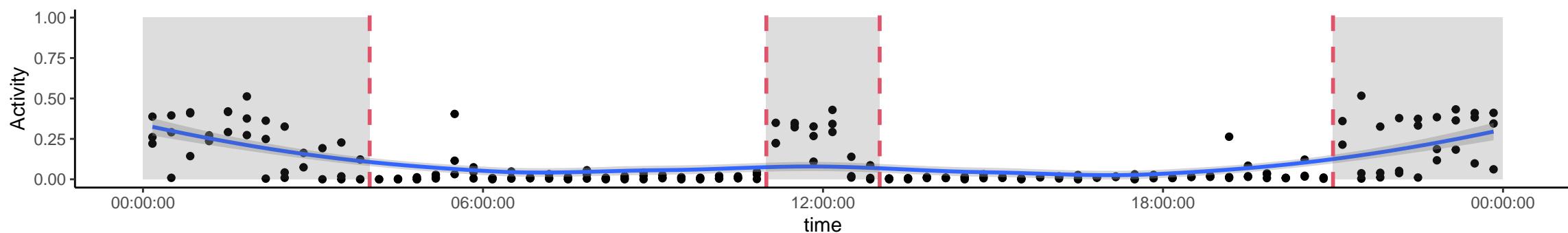
DK52700

Complete Activity



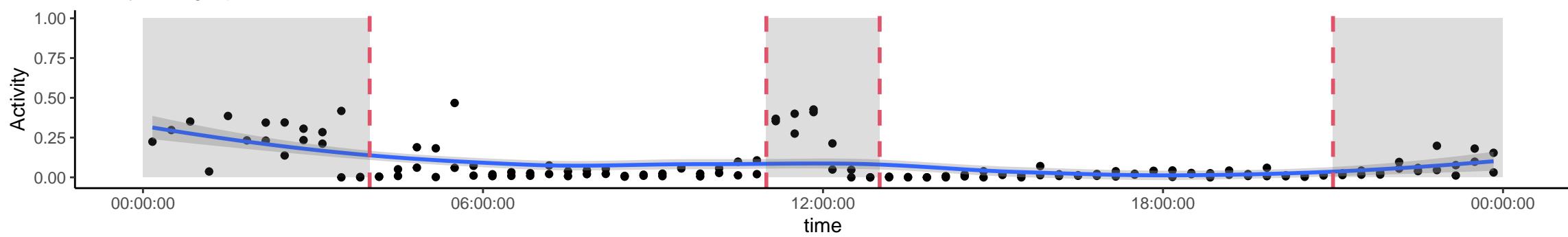
DK52700

Activity control phase



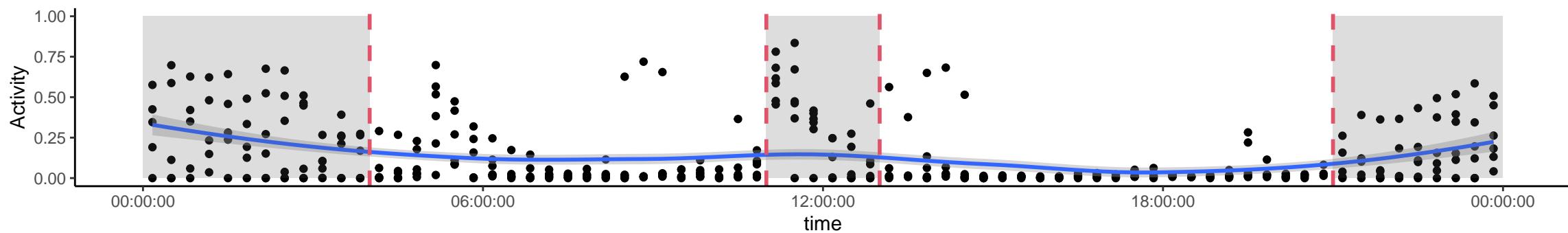
DK52700

Activity 24h light phase



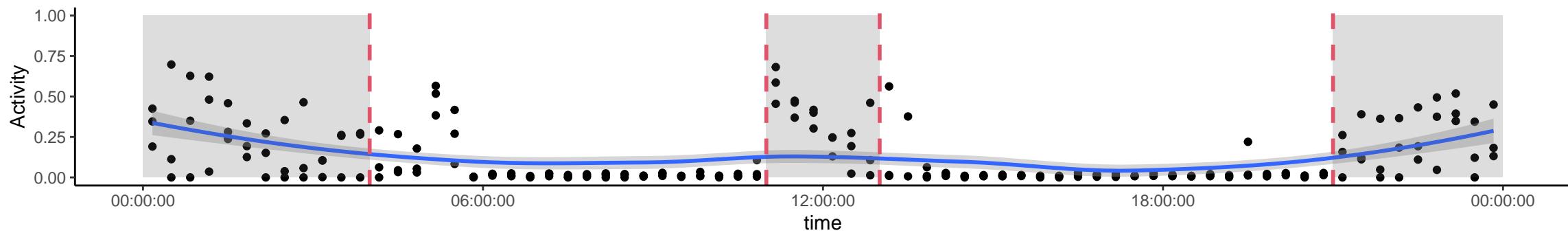
DK53342

Complete Activity



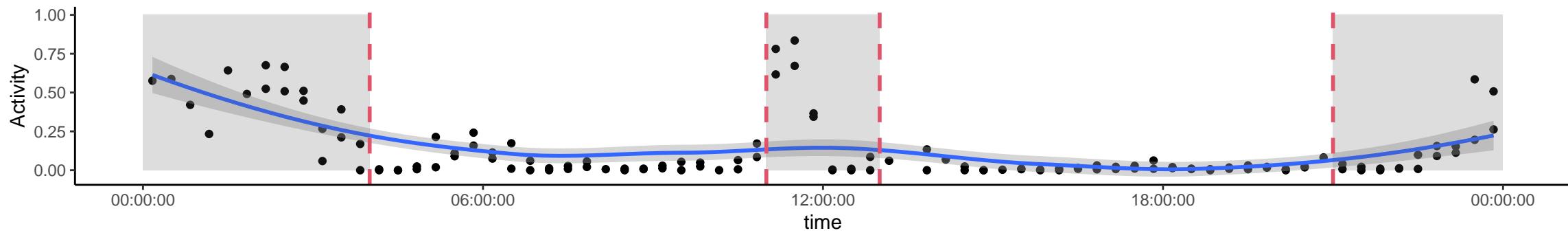
DK53342

Activity control phase



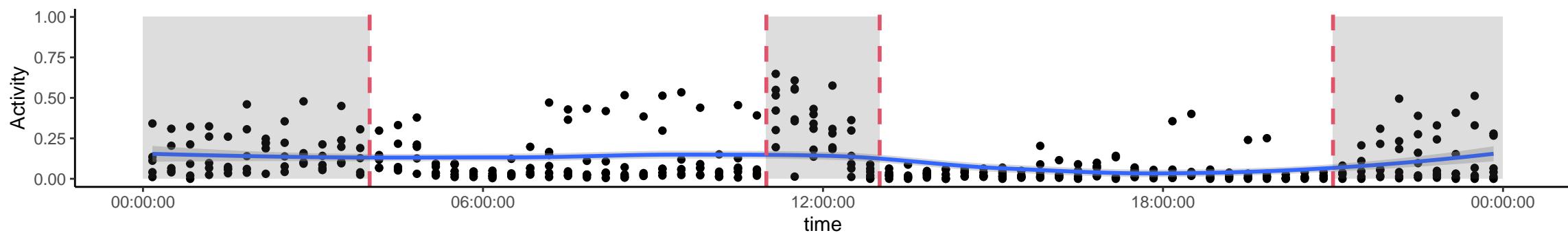
DK53342

Activity 24h light phase



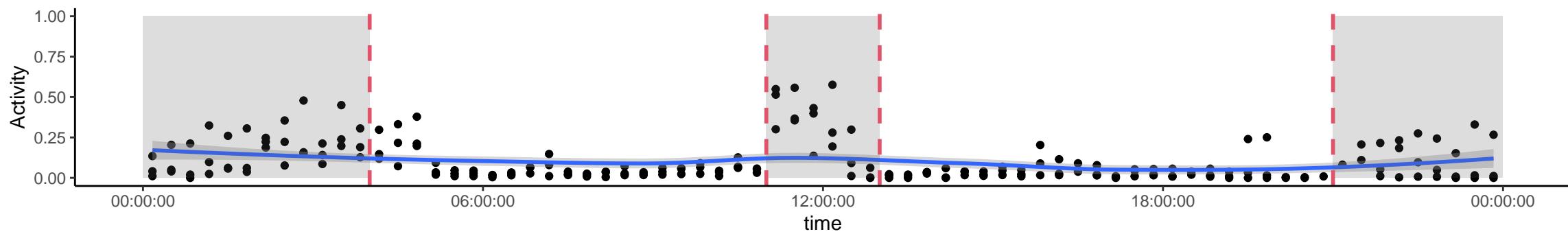
2KV41102

Complete Activity



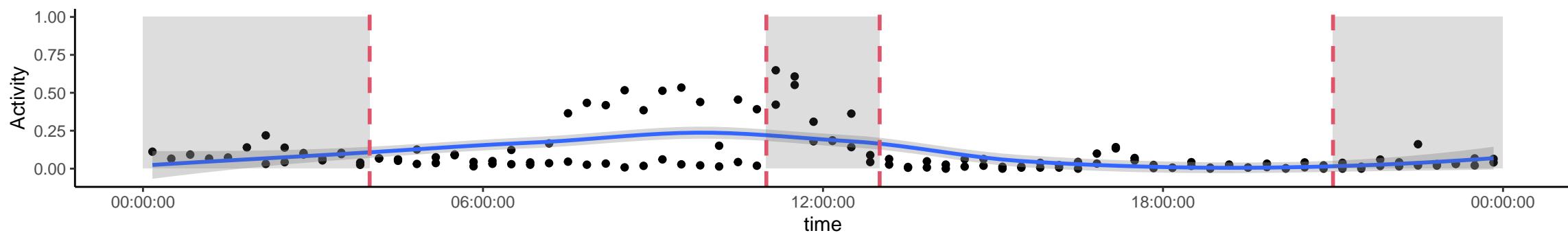
2KV41102

Activity control phase



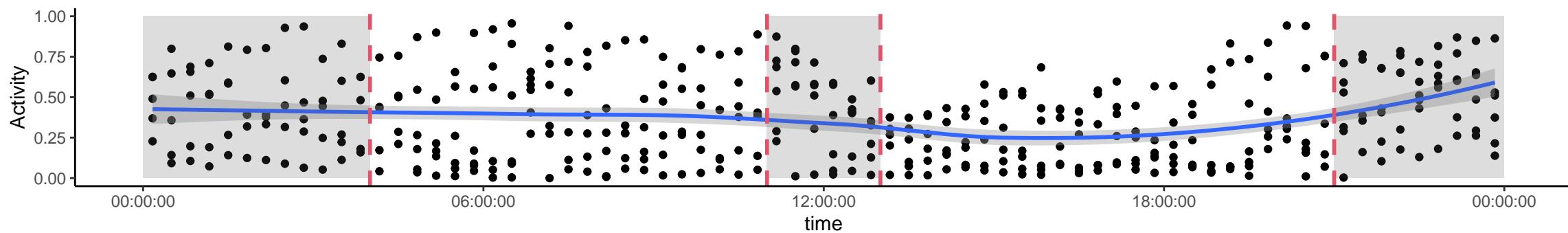
2KV41102

Activity 24h light phase



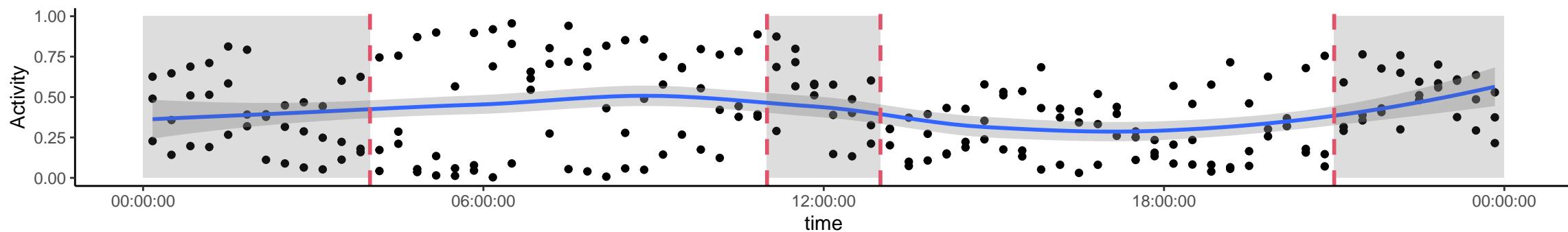
DK53560

Complete Activity



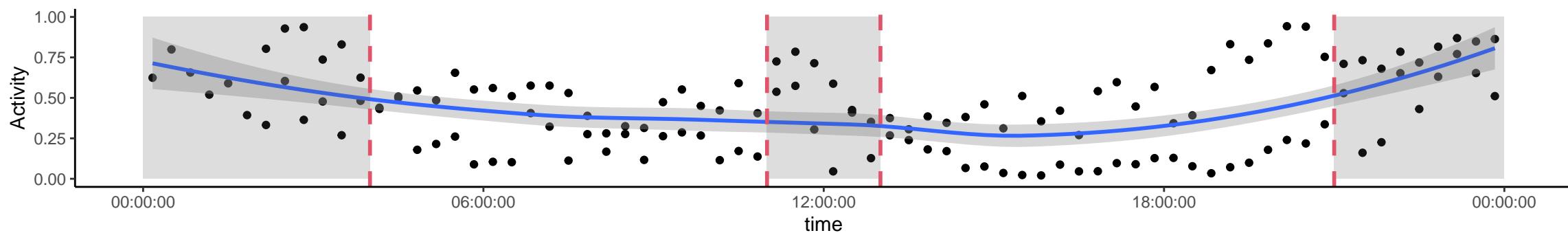
DK53560

Activity control phase



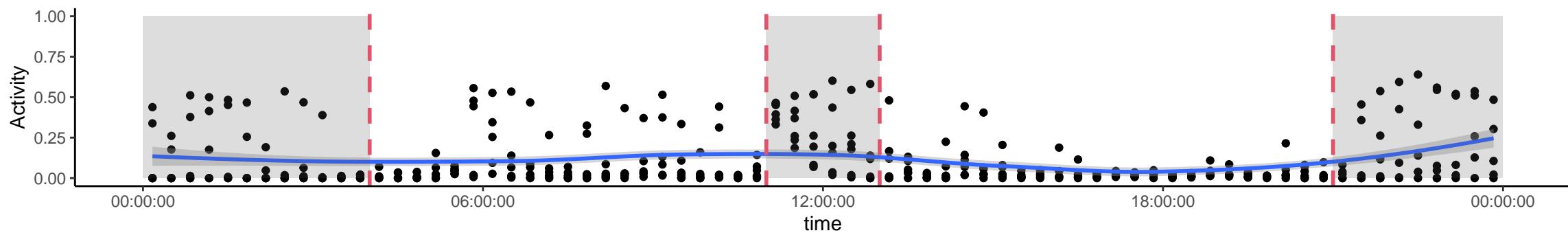
DK53560

Activity 24h light phase



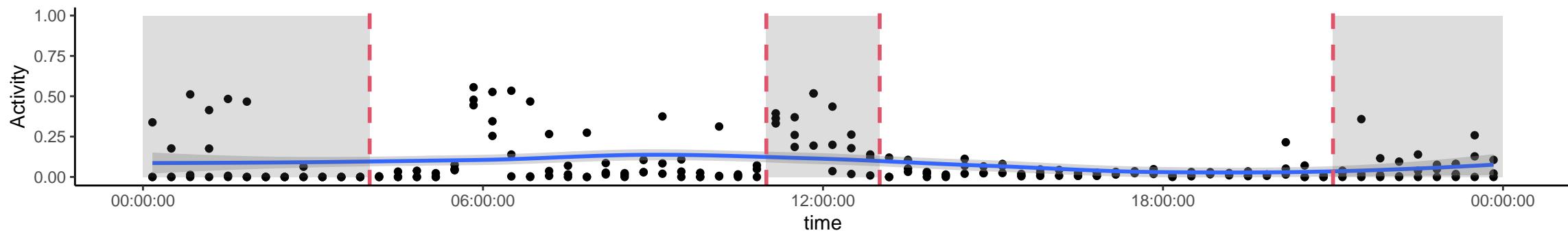
DK52084

Complete Activity



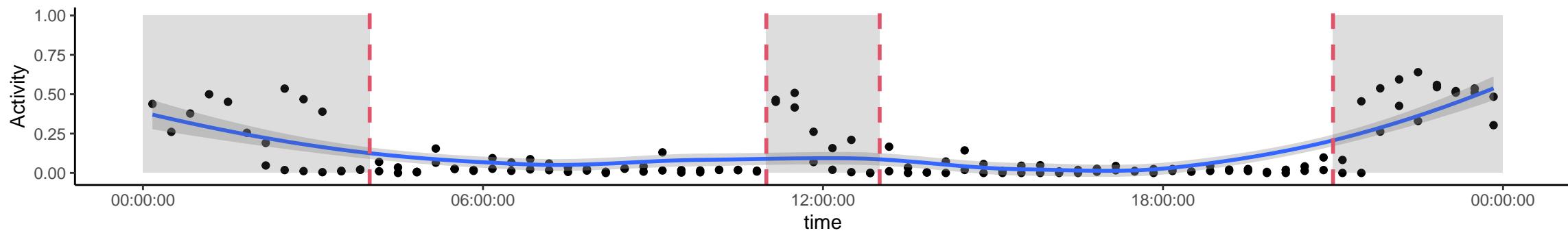
DK52084

Activity control phase



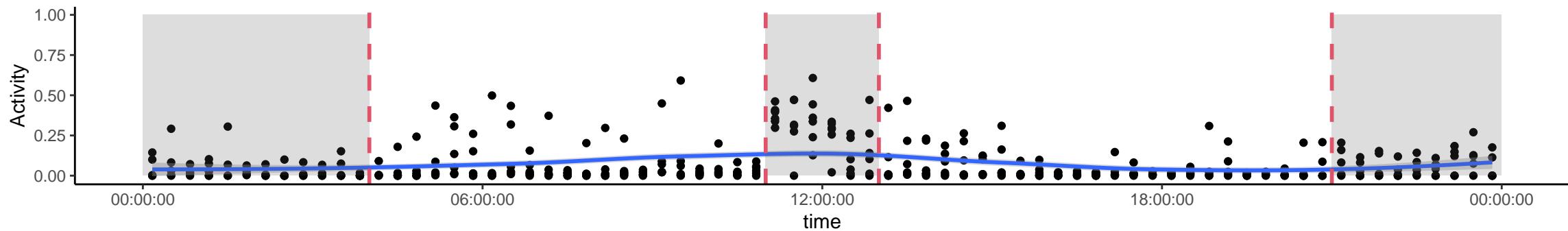
DK52084

Activity 24h light phase



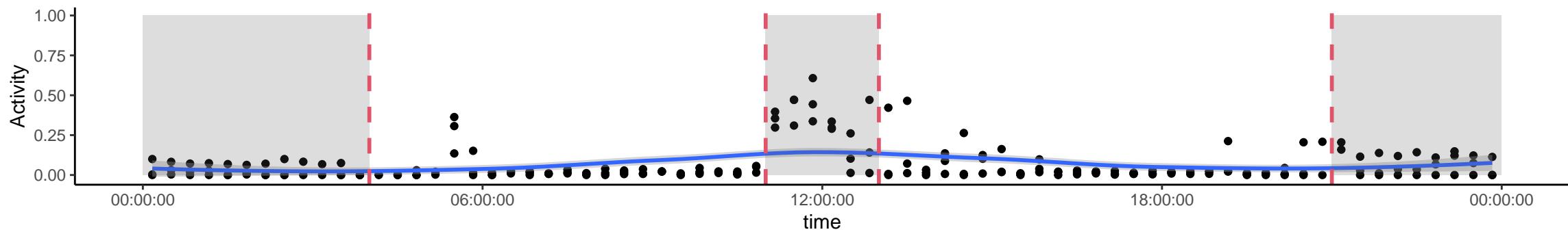
DK52702

Complete Activity



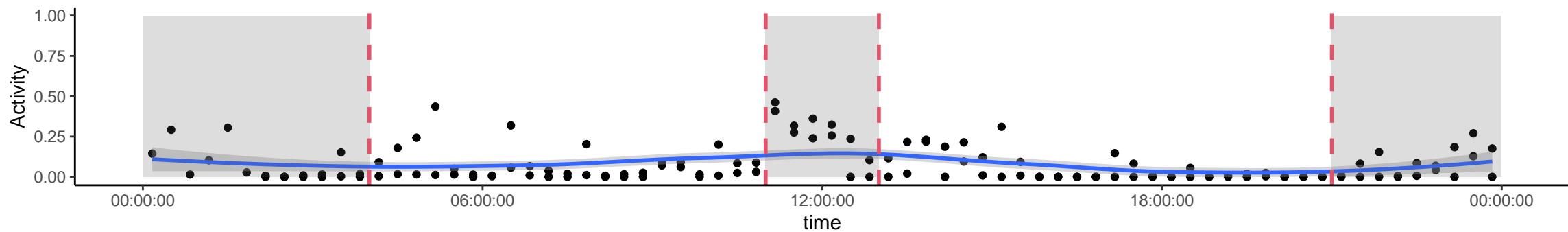
DK52702

Activity control phase



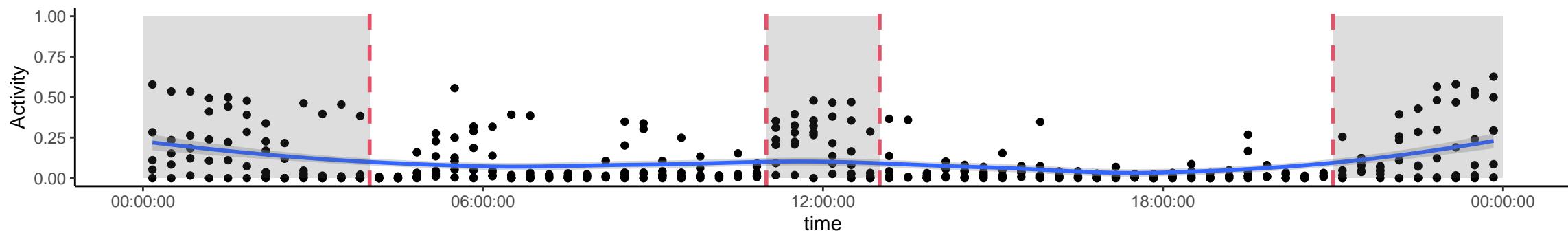
DK52702

Activity 24h light phase



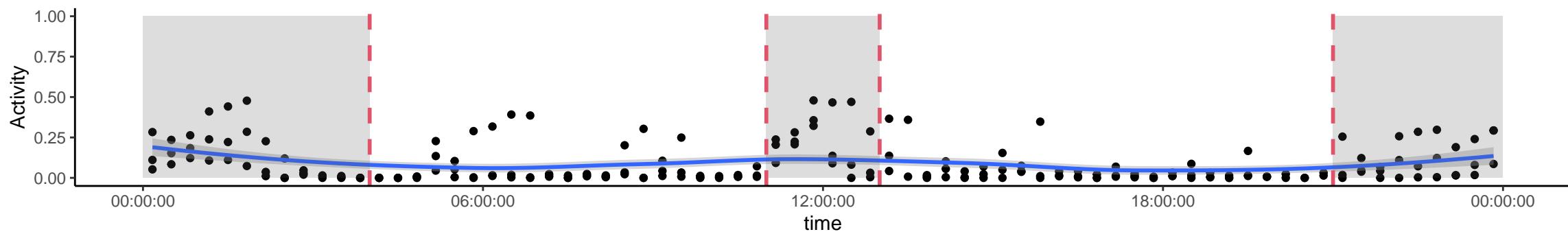
DK53343

Complete Activity



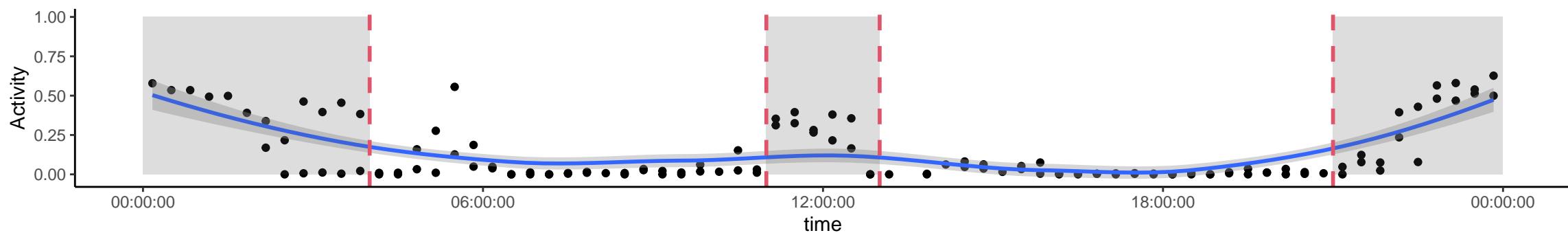
DK53343

Activity control phase



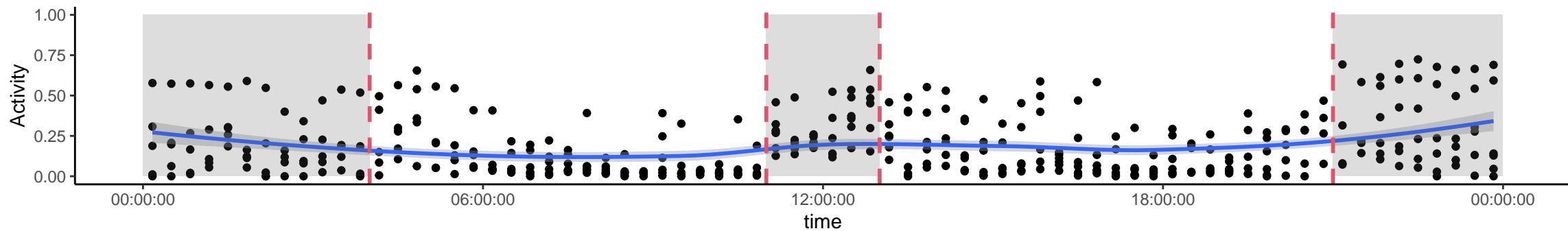
DK53343

Activity 24h light phase



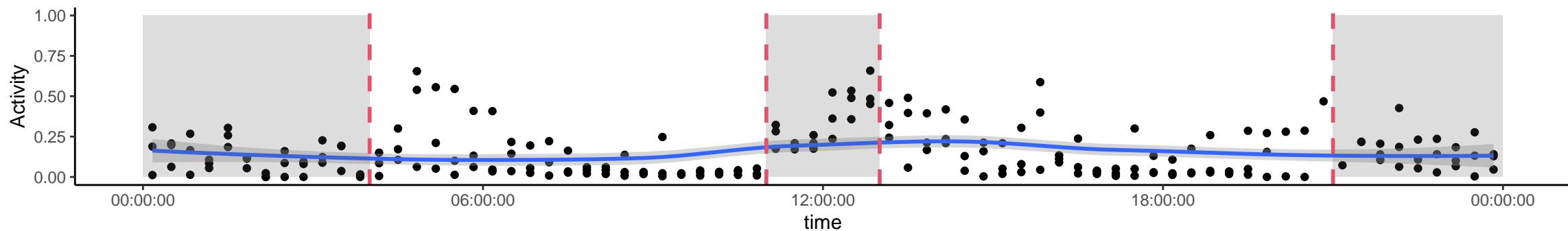
DK53257

Complete Activity



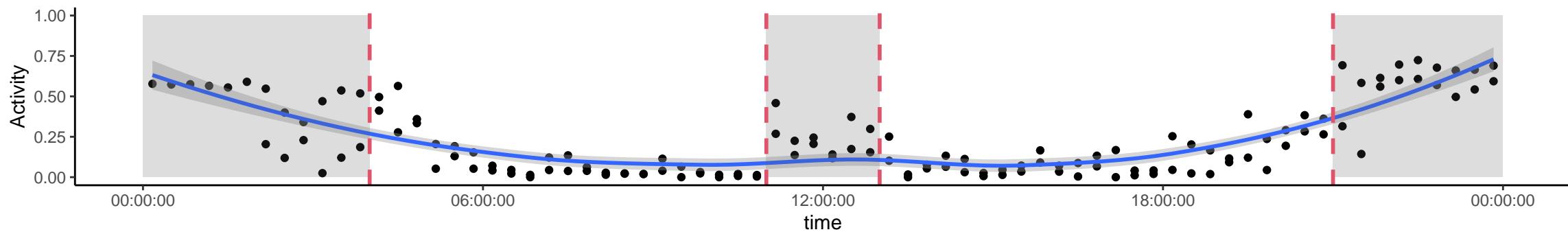
DK53257

Activity control phase



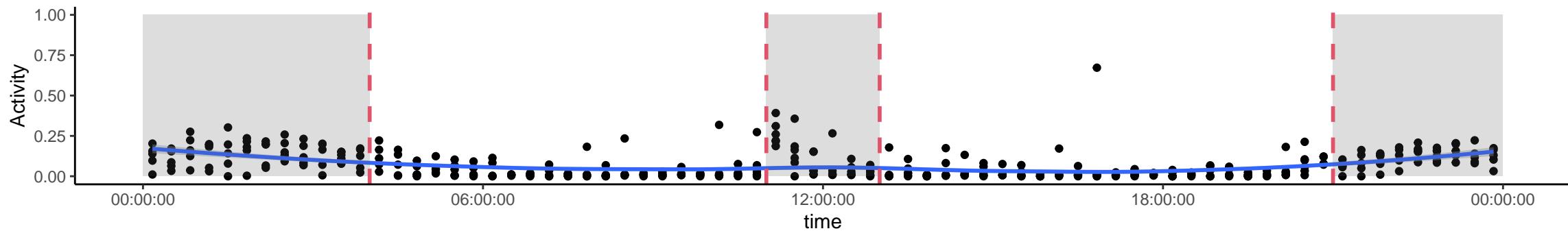
DK53257

Activity 24h light phase



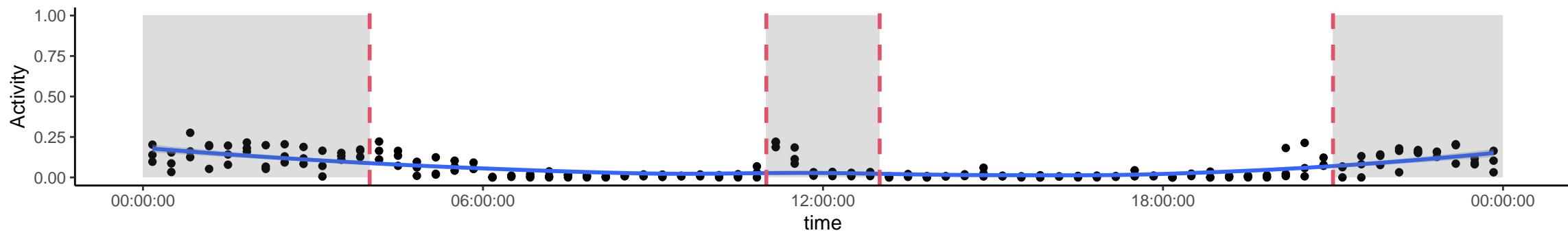
DK51990

Complete Activity



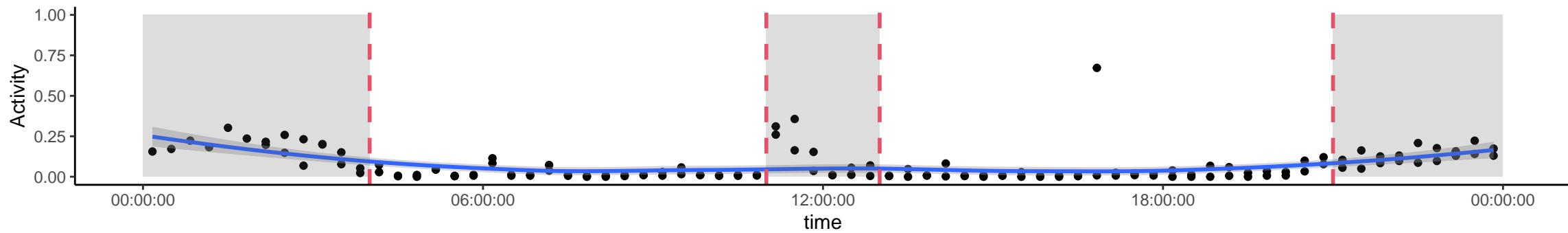
DK51990

Activity control phase



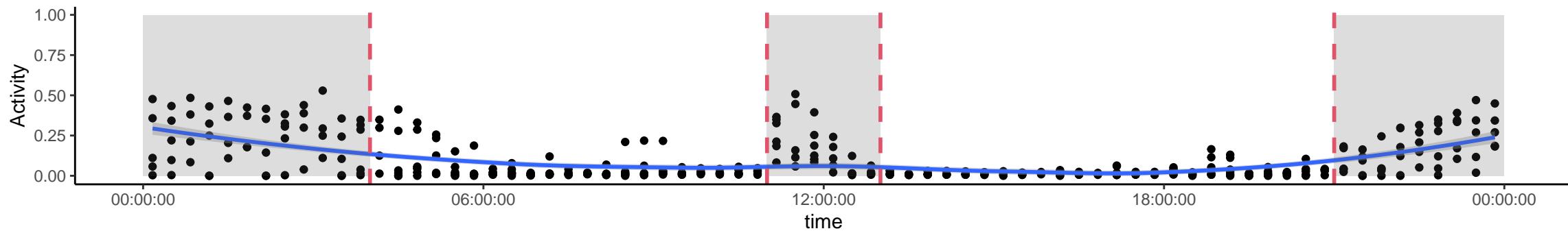
DK51990

Activity 24h light phase



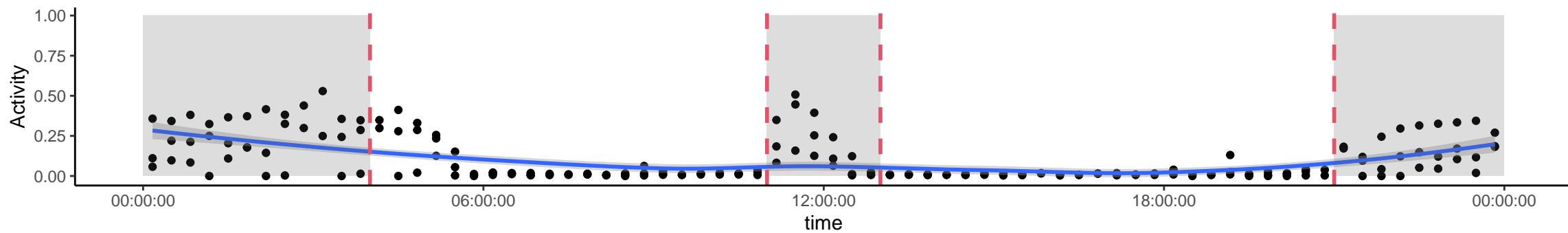
DK51996

Complete Activity



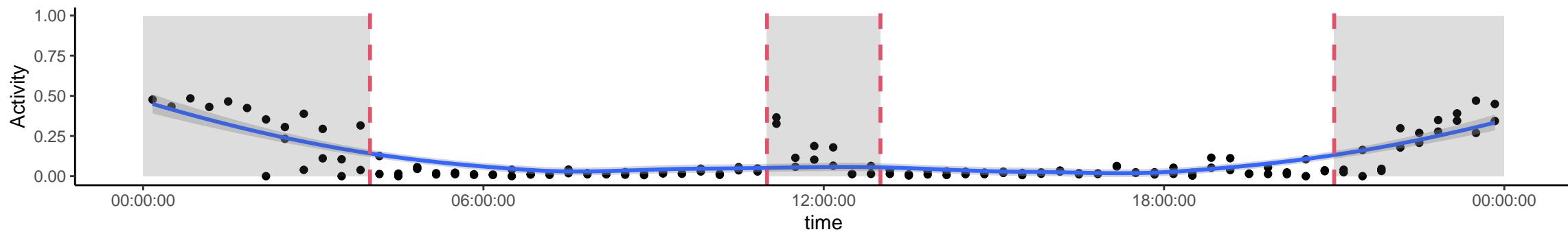
DK51996

Activity control phase



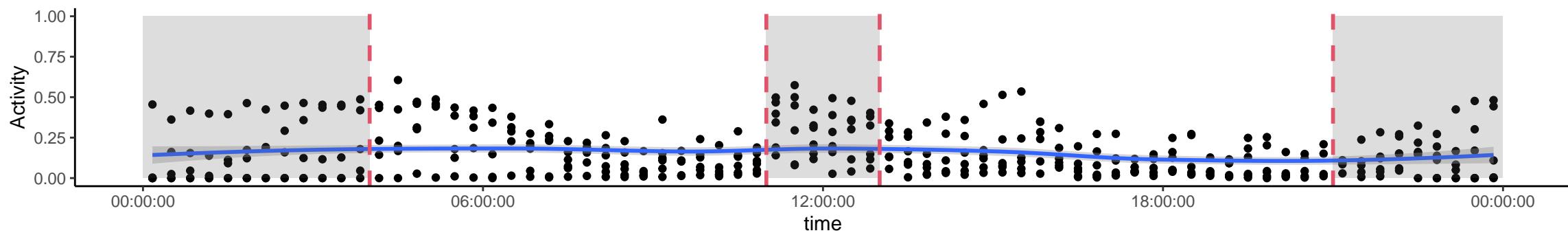
DK51996

Activity 24h light phase



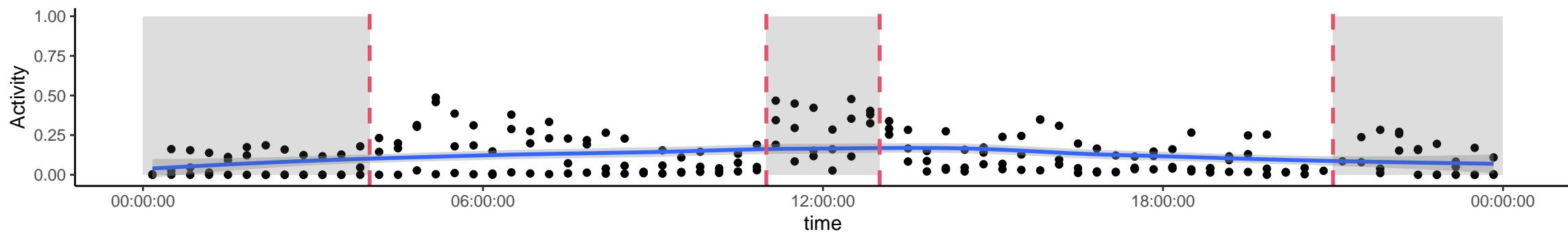
DK53425

Complete Activity



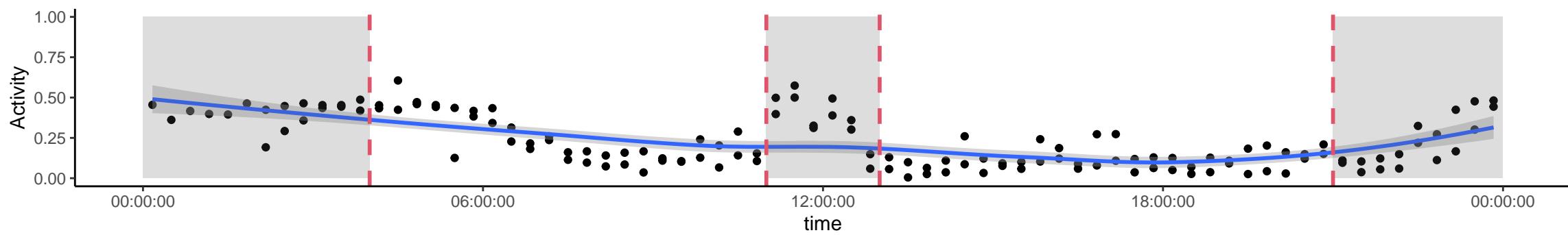
DK53425

Activity control phase



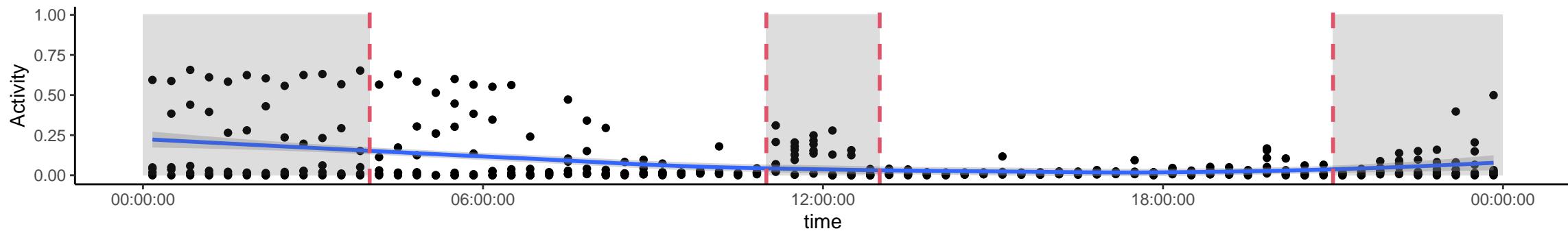
DK53425

Activity 24h light phase



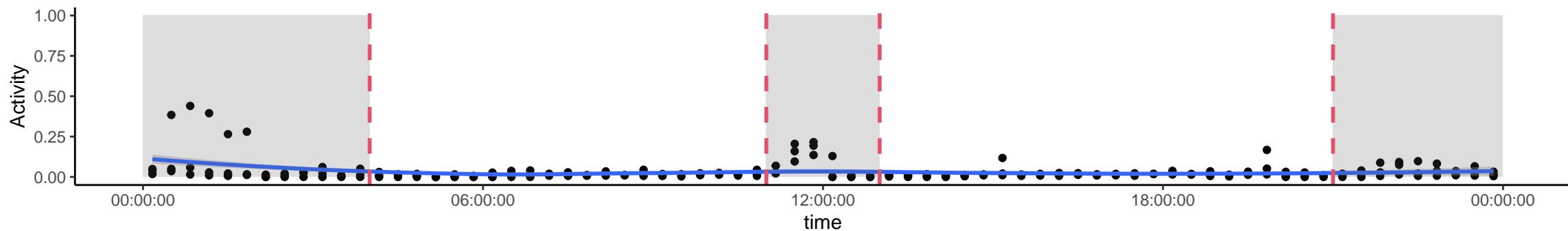
DK53650

Complete Activity



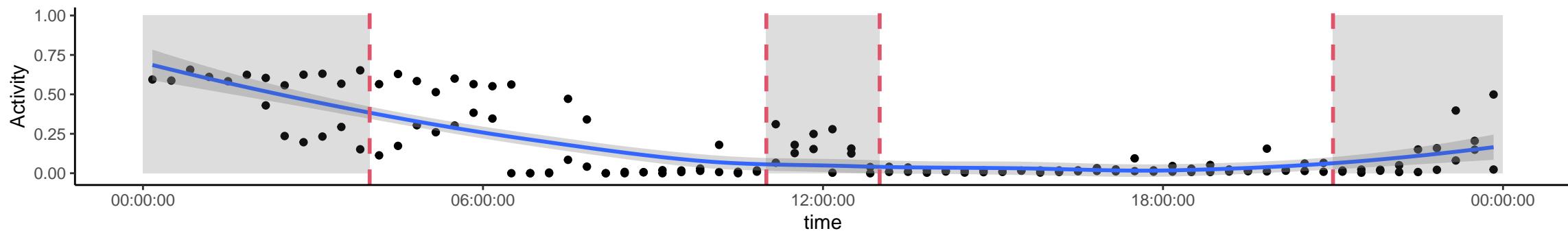
DK53650

Activity control phase



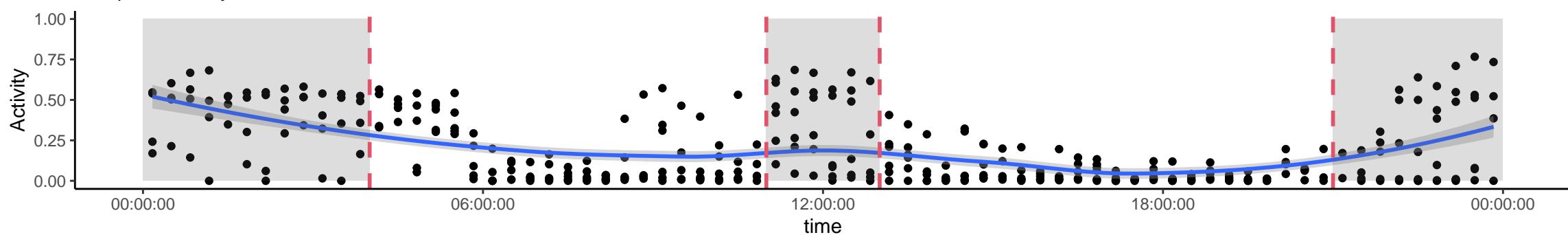
DK53650

Activity 24h light phase



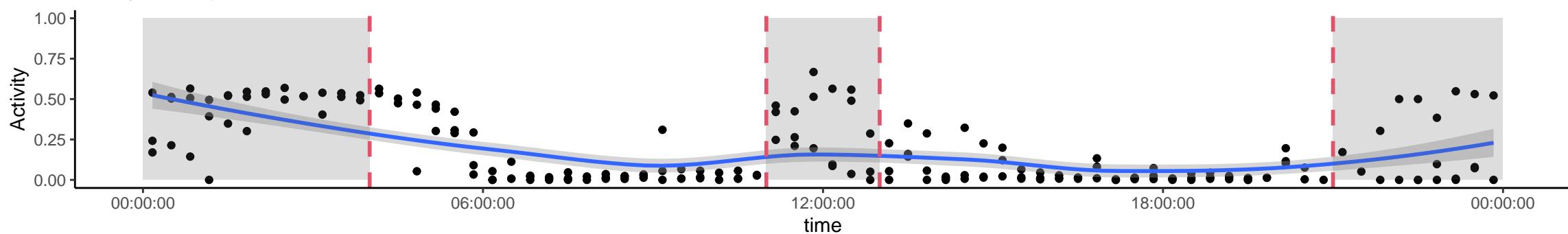
DK51980

Complete Activity



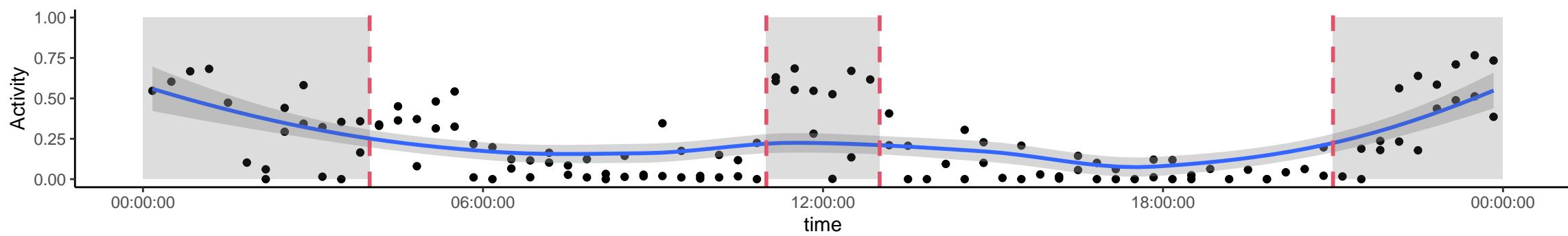
DK51980

Activity control phase



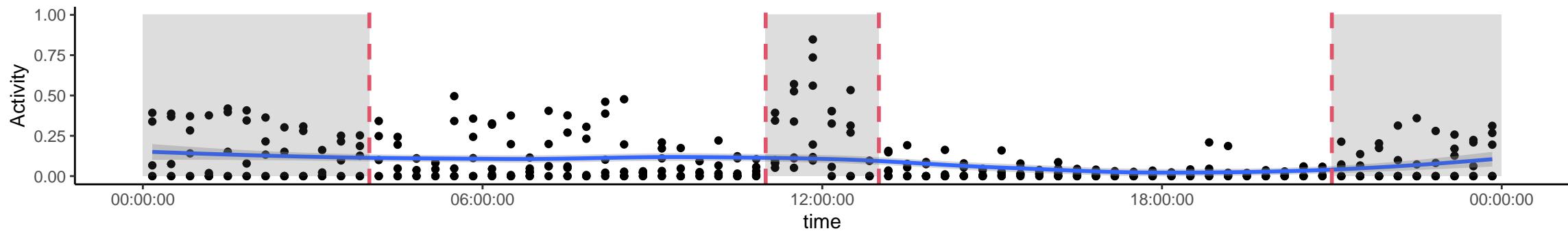
DK51980

Activity 24h light phase



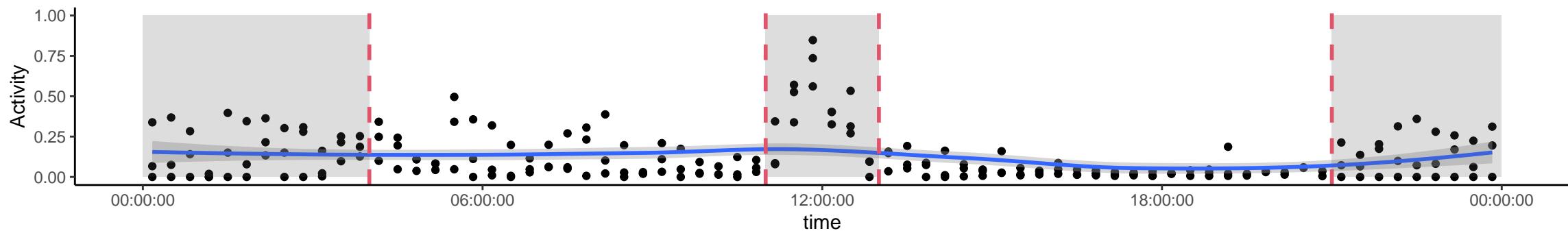
DK52703

Complete Activity



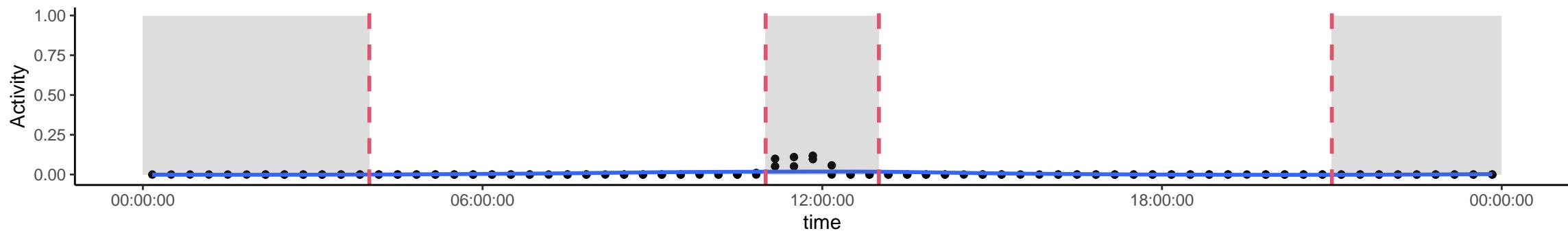
DK52703

Activity control phase



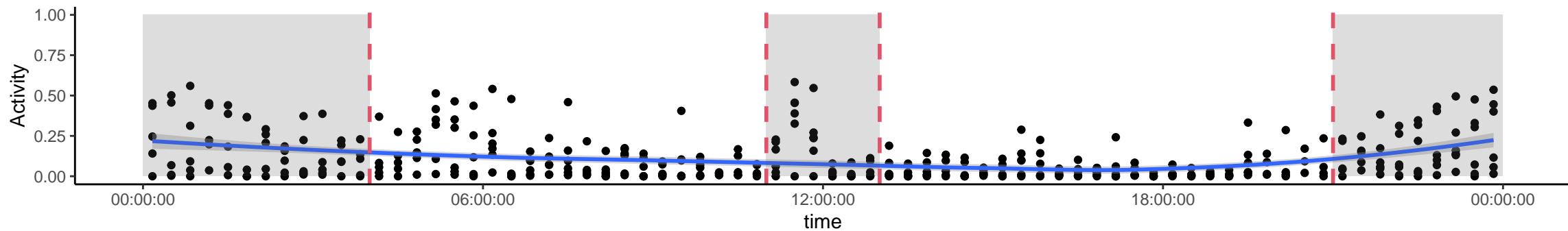
DK52703

Activity 24h light phase



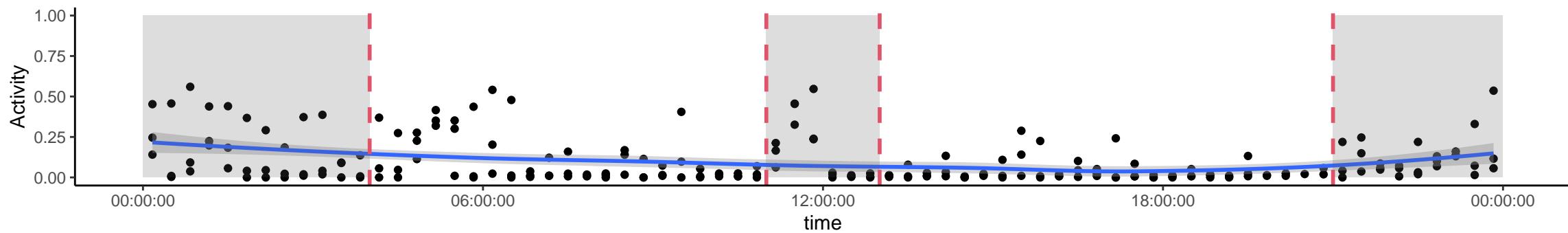
DK53345

Complete Activity



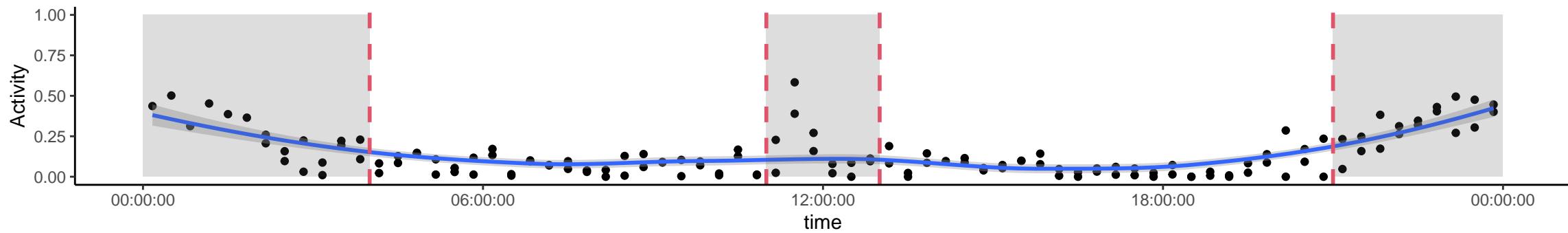
DK53345

Activity control phase



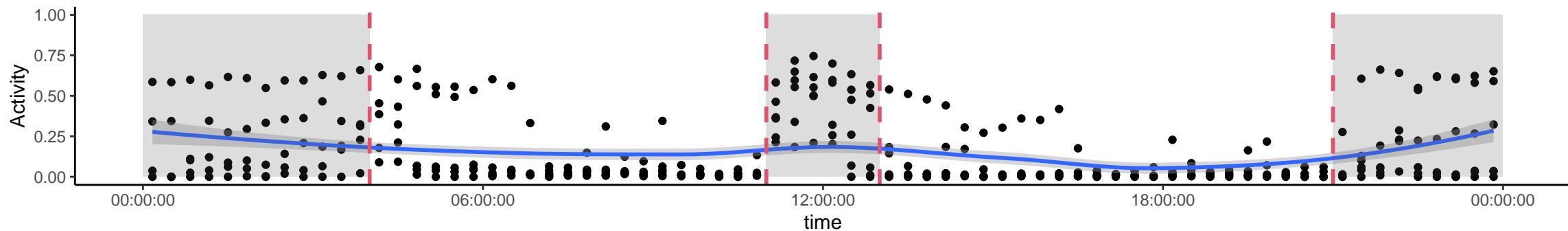
DK53345

Activity 24h light phase



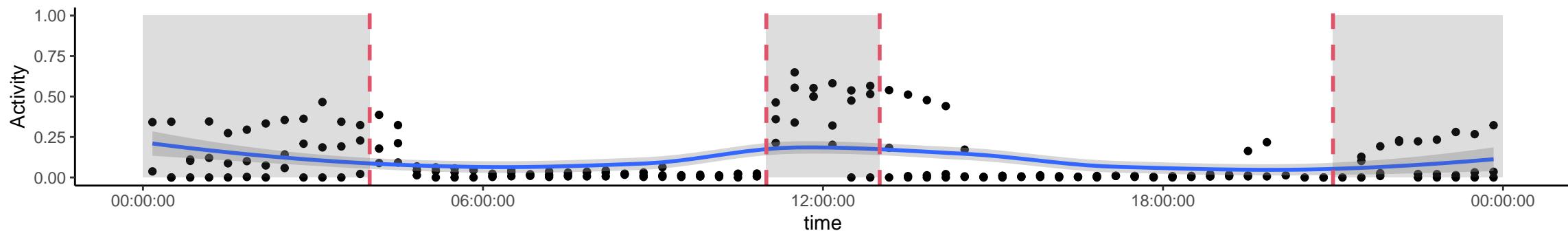
DK53267

Complete Activity



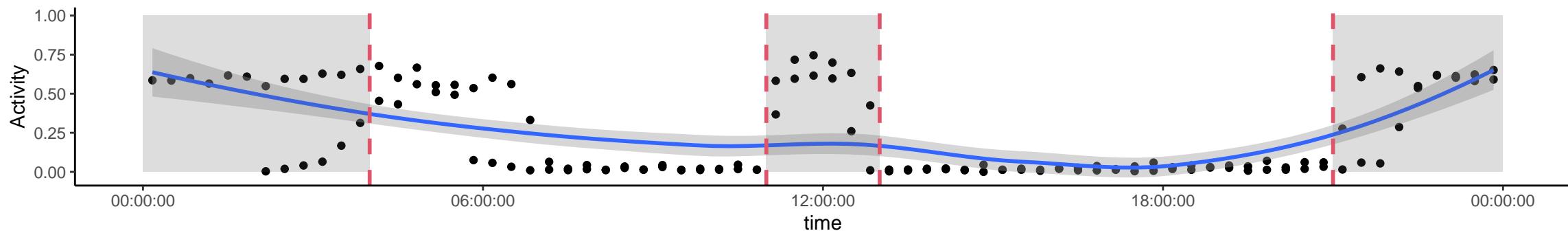
DK53267

Activity control phase



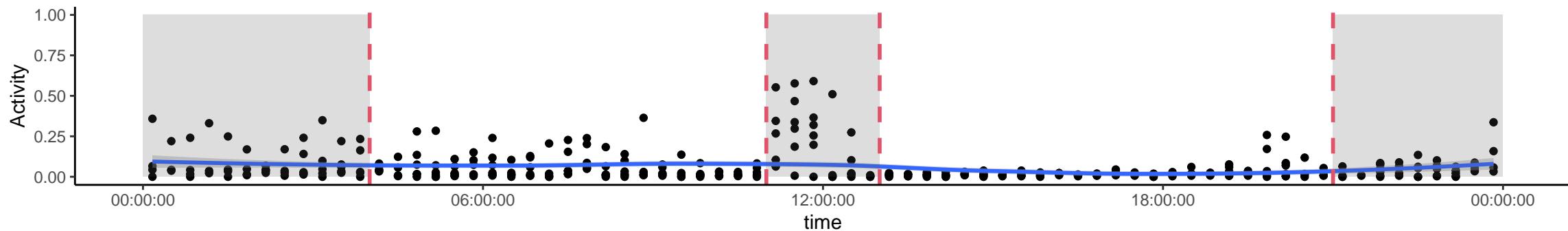
DK53267

Activity 24h light phase



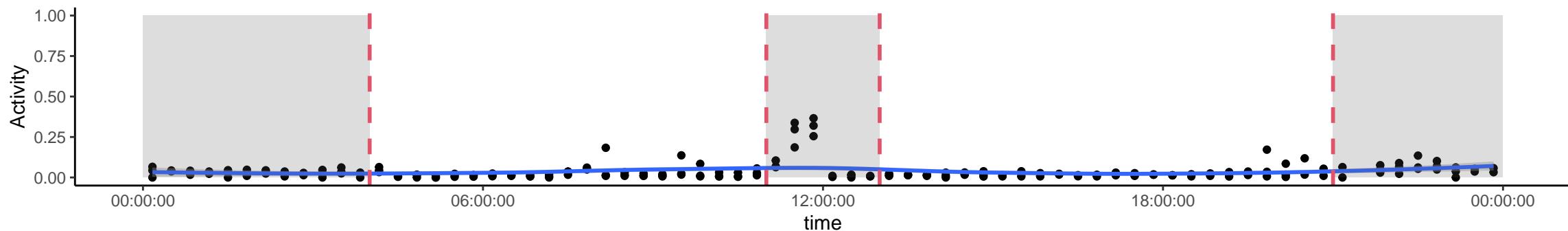
DK53562

Complete Activity



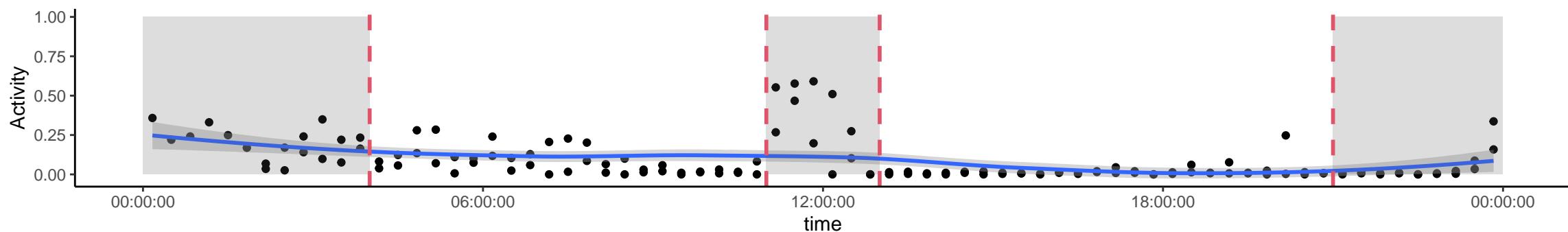
DK53562

Activity control phase



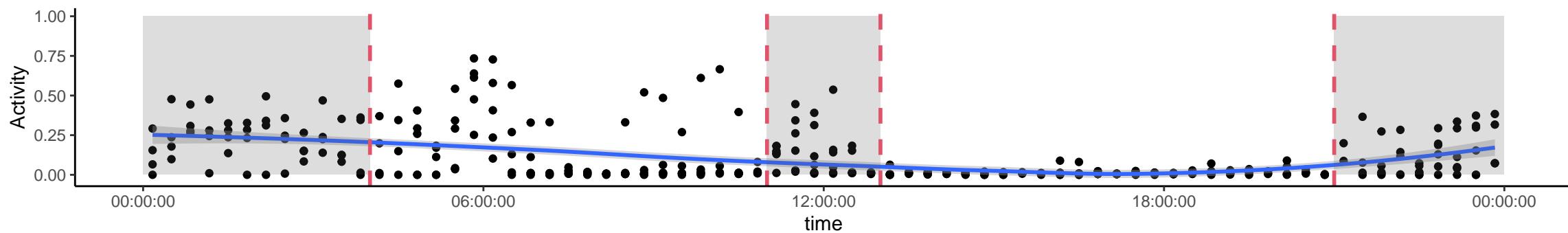
DK53562

Activity 24h light phase



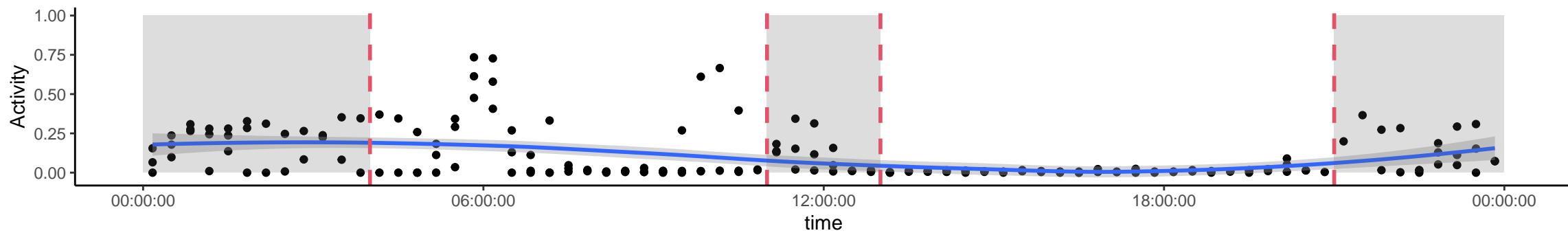
DK52068

Complete Activity



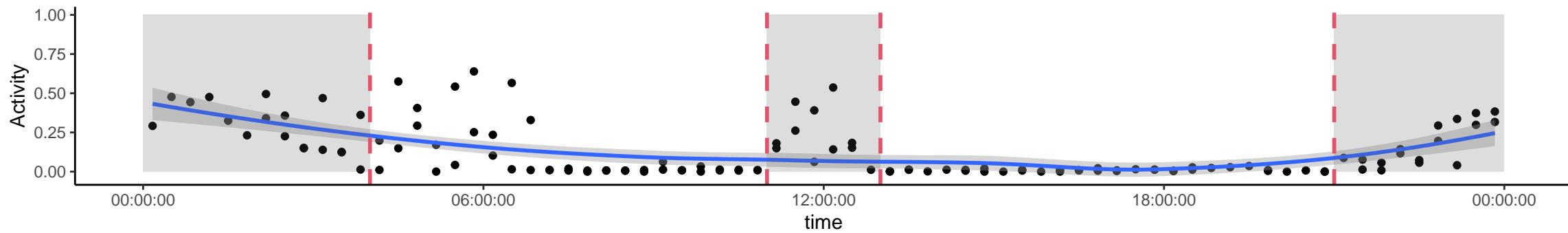
DK52068

Activity control phase



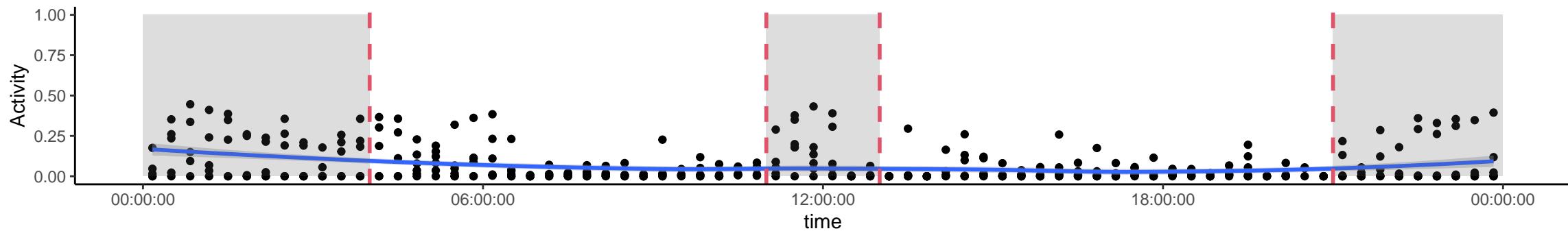
DK52068

Activity 24h light phase



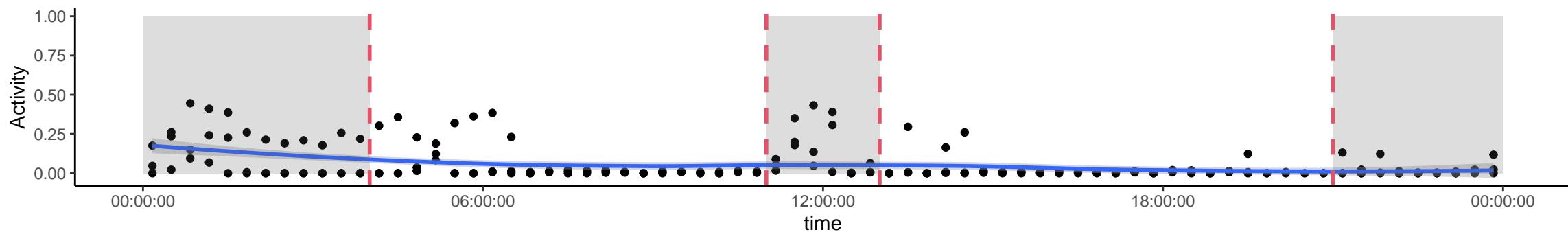
DK53346

Complete Activity



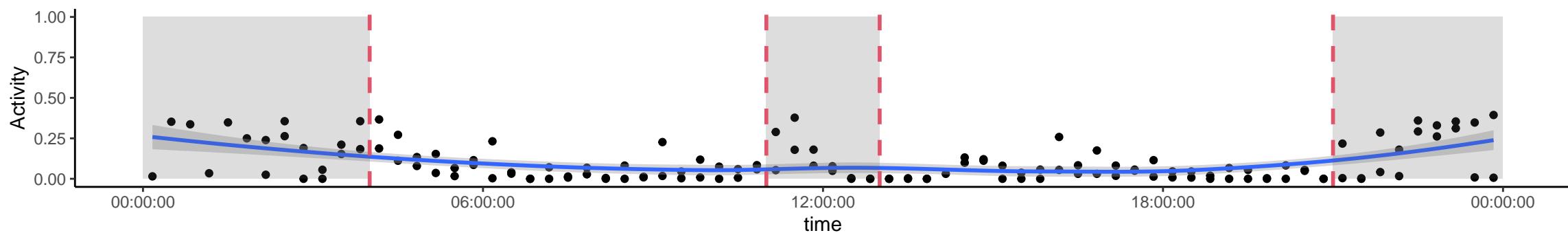
DK53346

Activity control phase



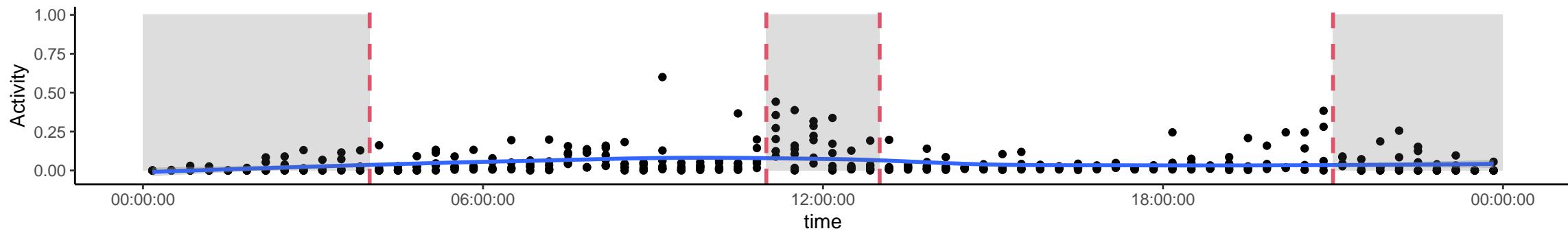
DK53346

Activity 24h light phase



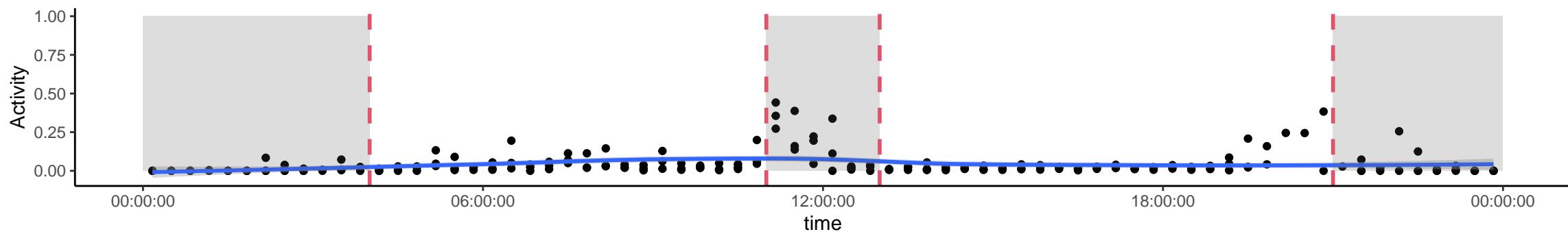
DK53259

Complete Activity



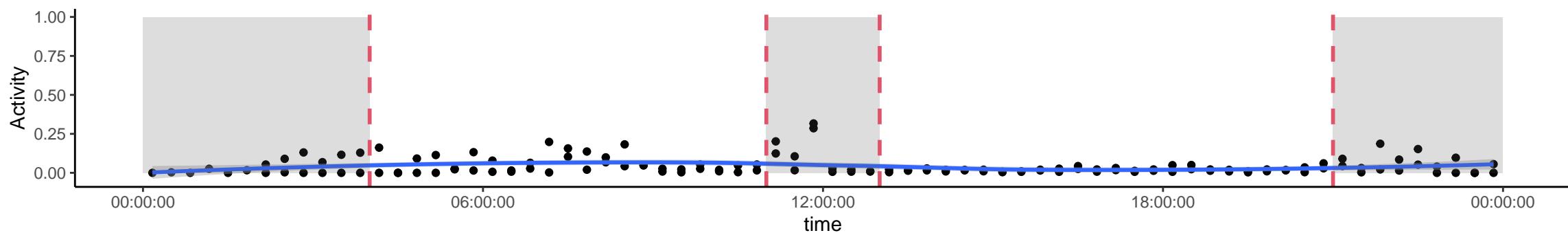
DK53259

Activity control phase



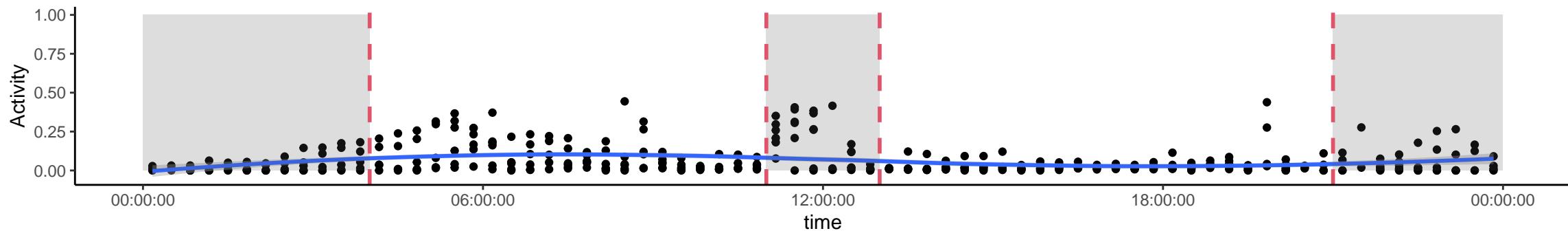
DK53259

Activity 24h light phase



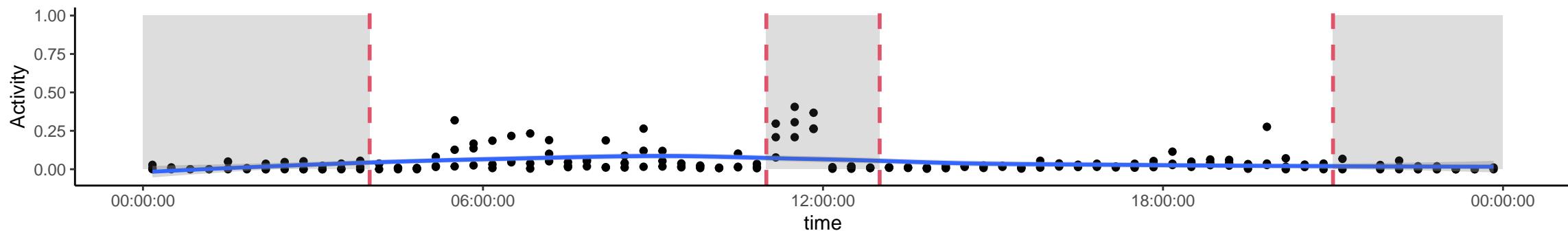
DK53563

Complete Activity



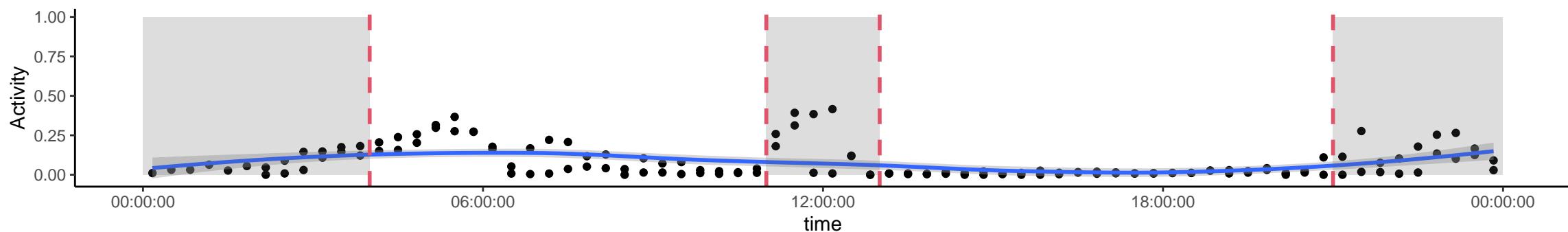
DK53563

Activity control phase



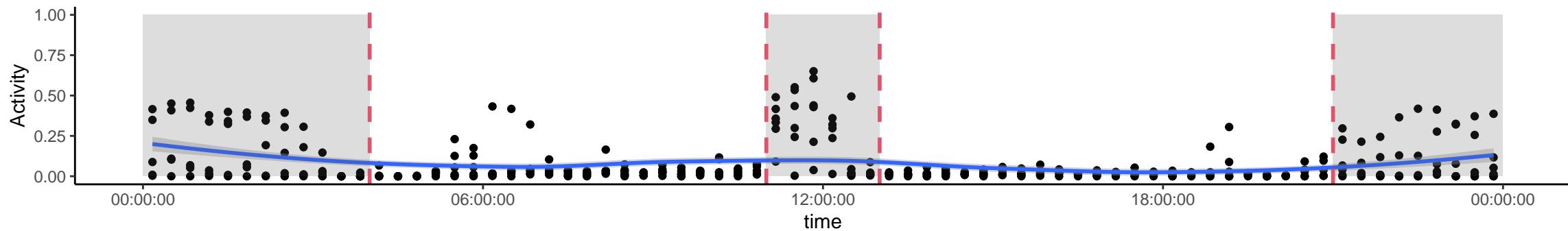
DK53563

Activity 24h light phase



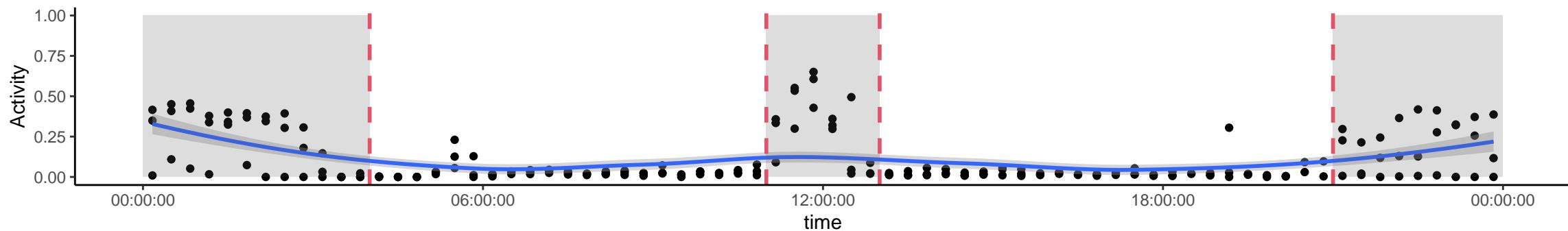
DK52429

Complete Activity



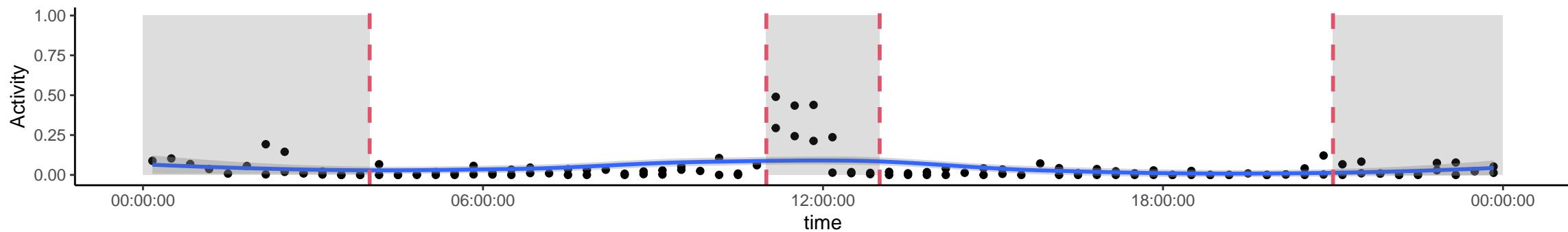
DK52429

Activity control phase



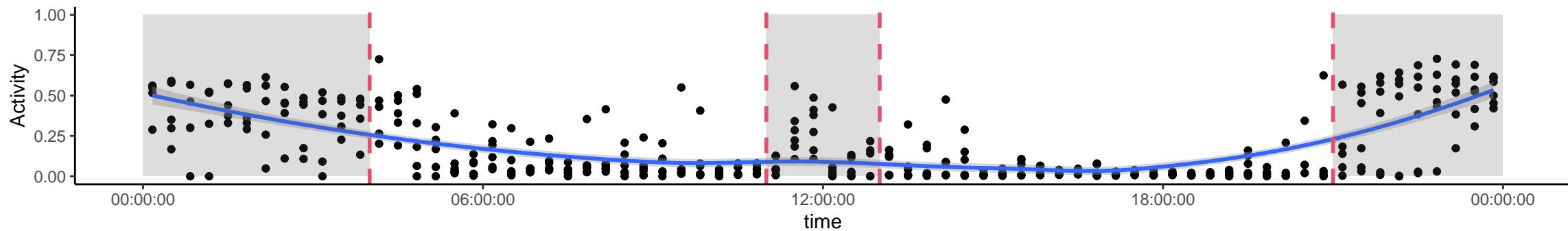
DK52429

Activity 24h light phase



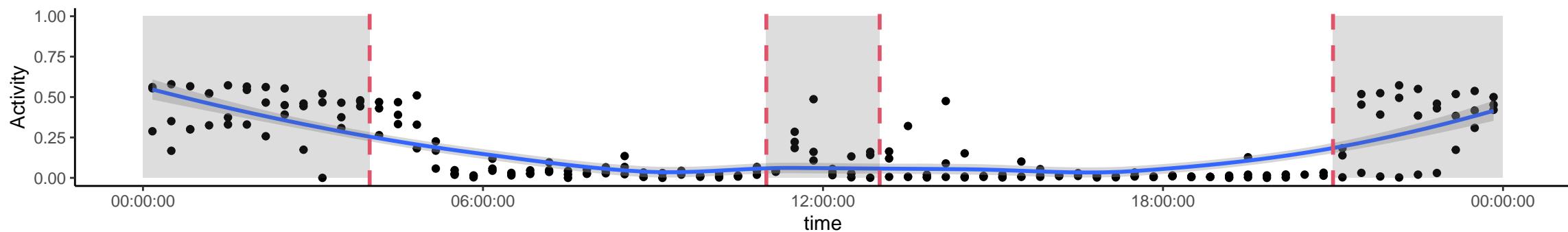
DK53347

Complete Activity



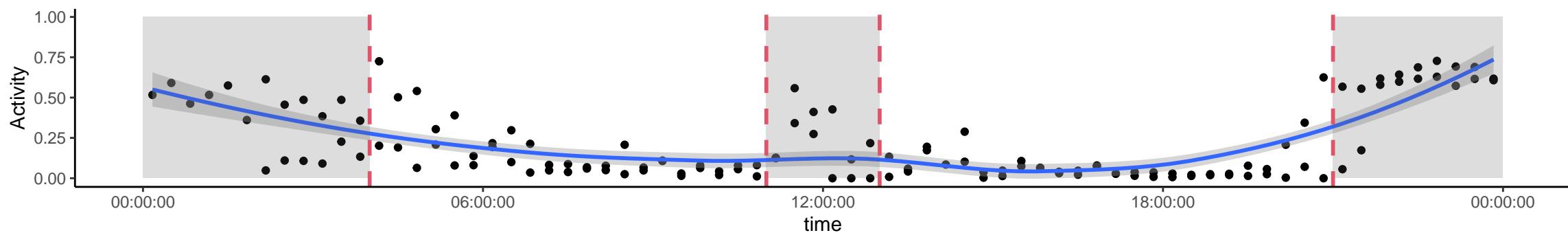
DK53347

Activity control phase



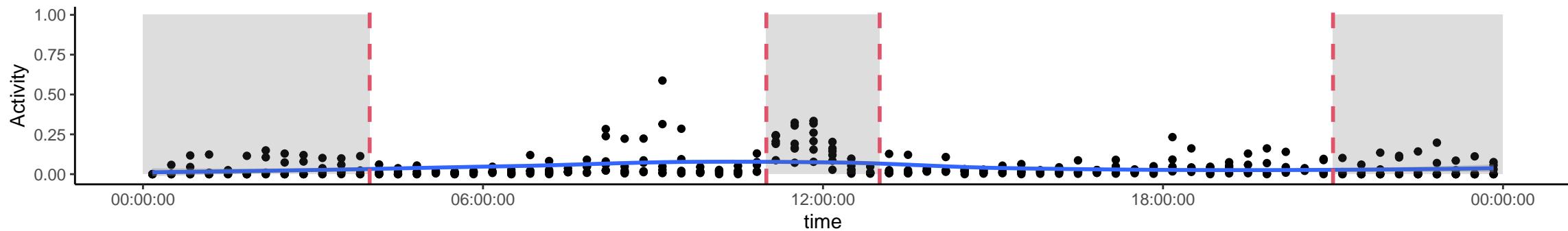
DK53347

Activity 24h light phase



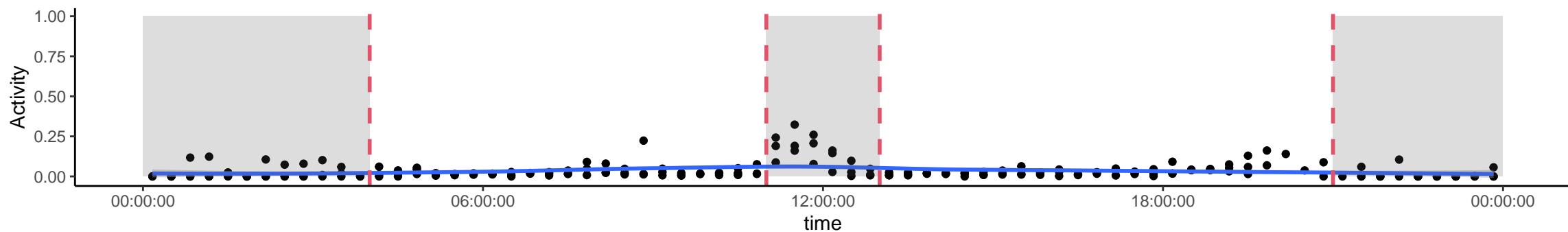
DK53260

Complete Activity



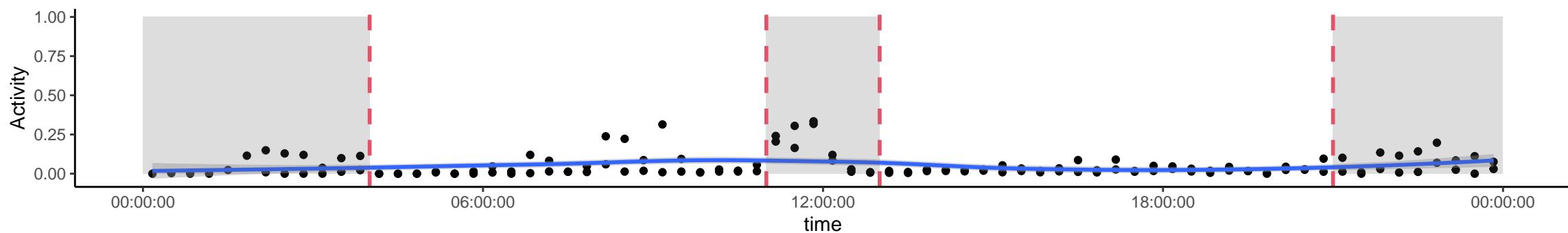
DK53260

Activity control phase



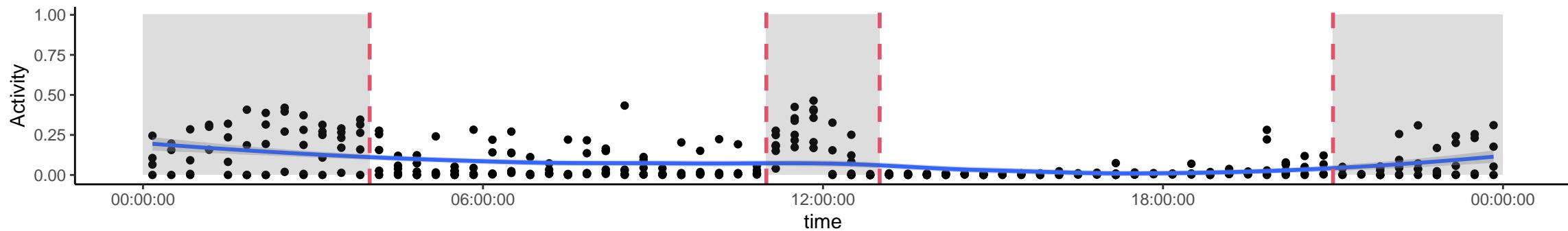
DK53260

Activity 24h light phase



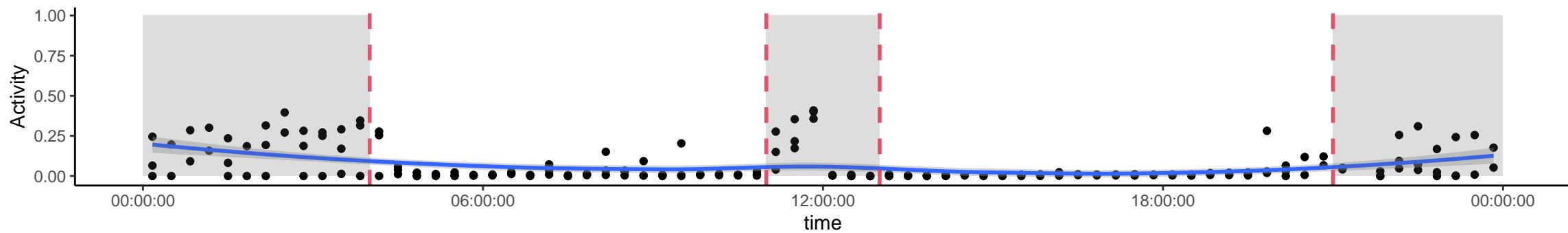
DK53652

Complete Activity



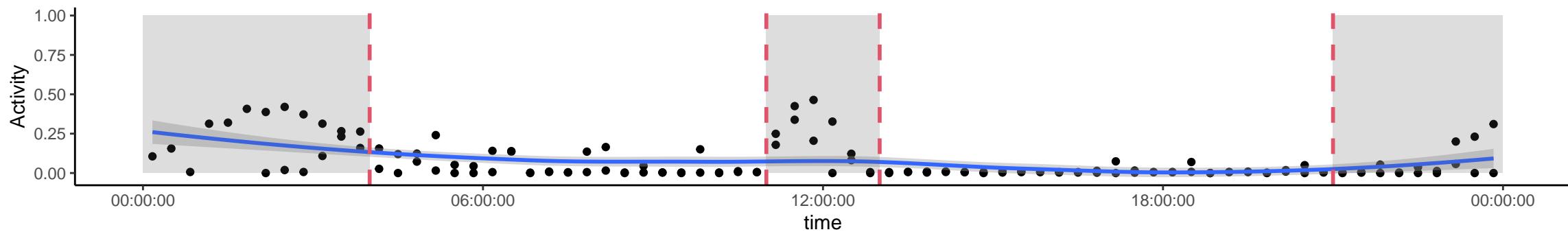
DK53652

Activity control phase



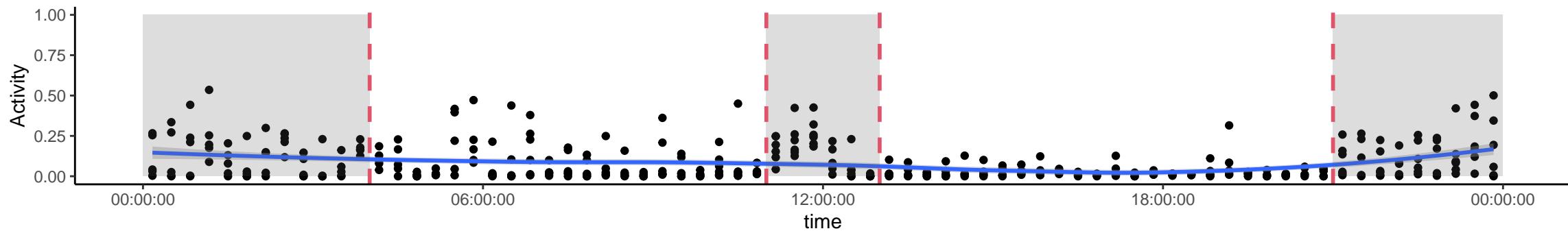
DK53652

Activity 24h light phase



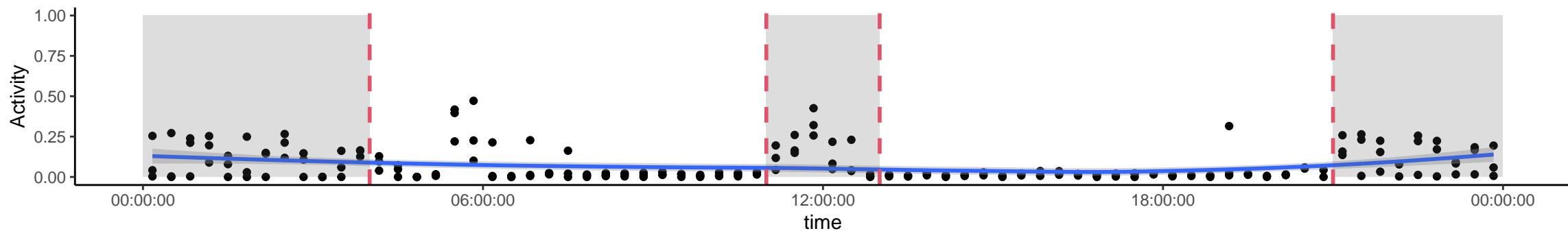
DK52704

Complete Activity



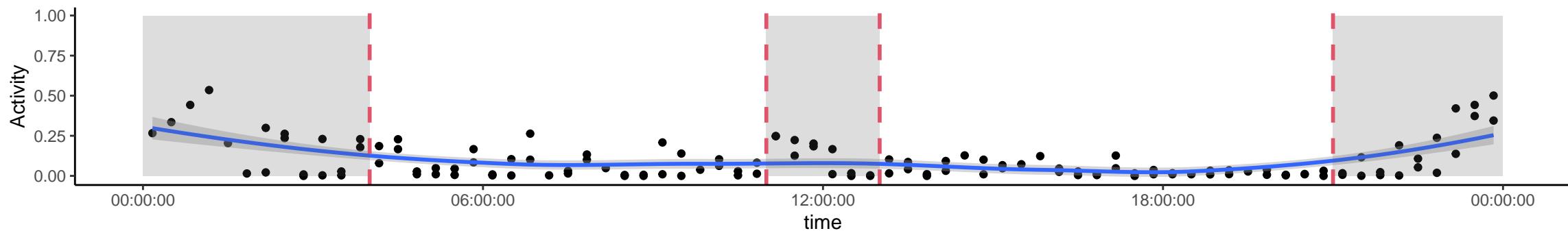
DK52704

Activity control phase



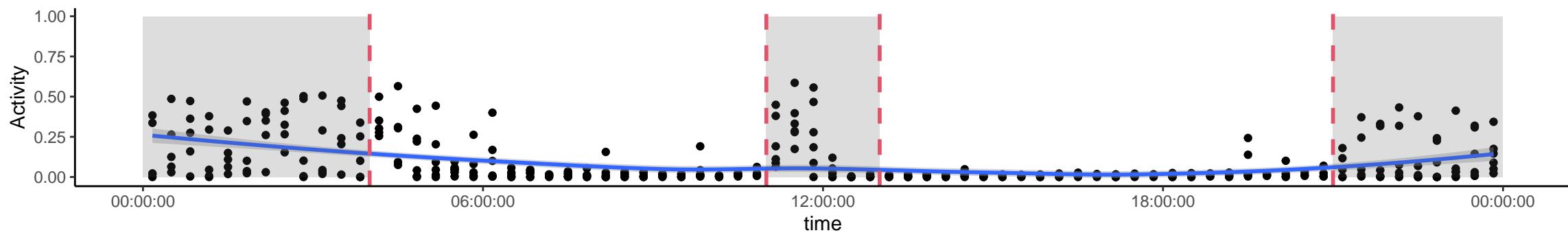
DK52704

Activity 24h light phase



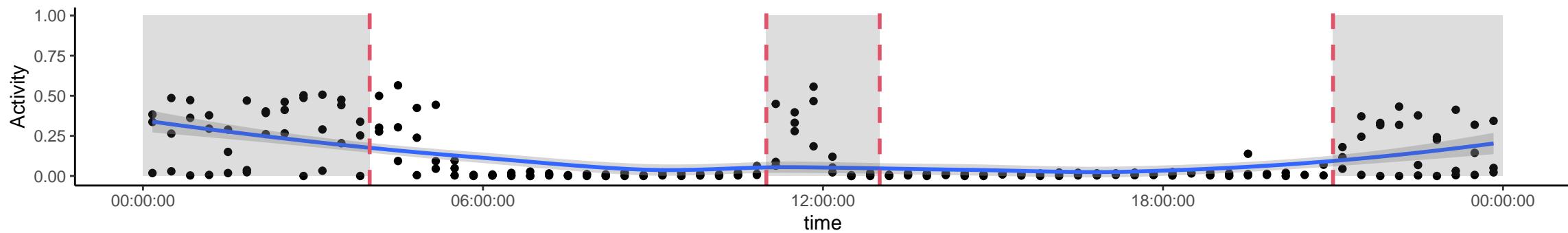
DK53348

Complete Activity



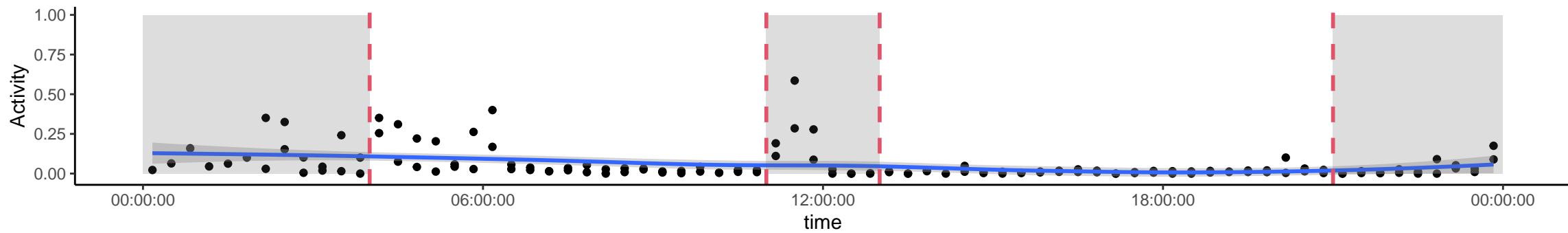
DK53348

Activity control phase



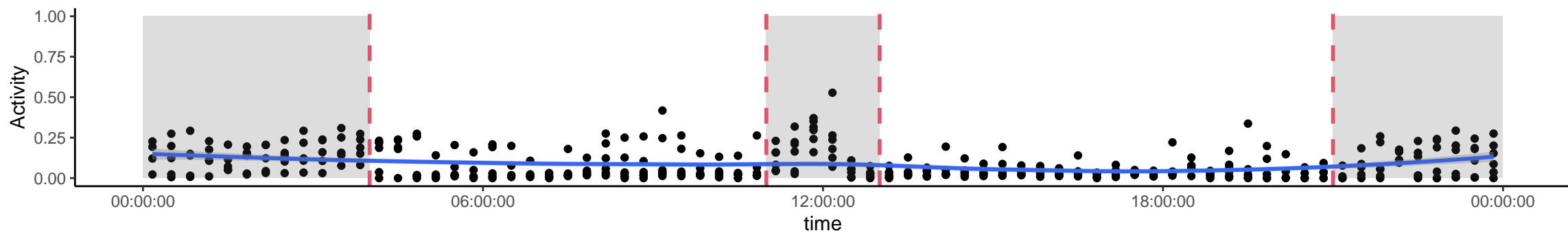
DK53348

Activity 24h light phase



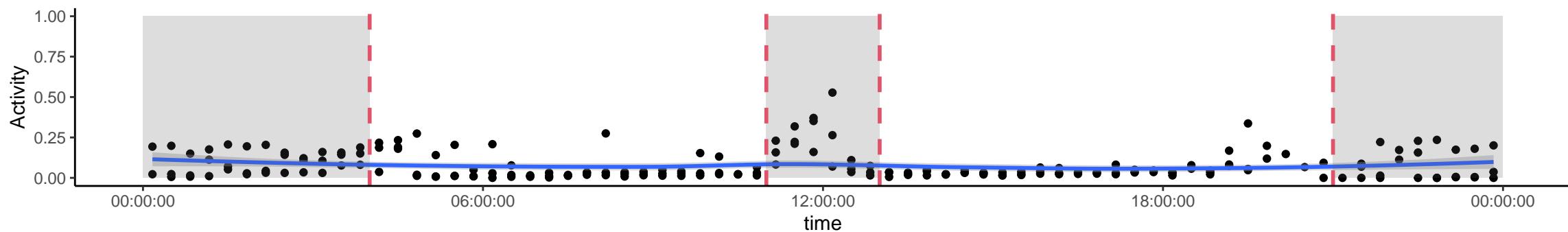
DK53413

Complete Activity



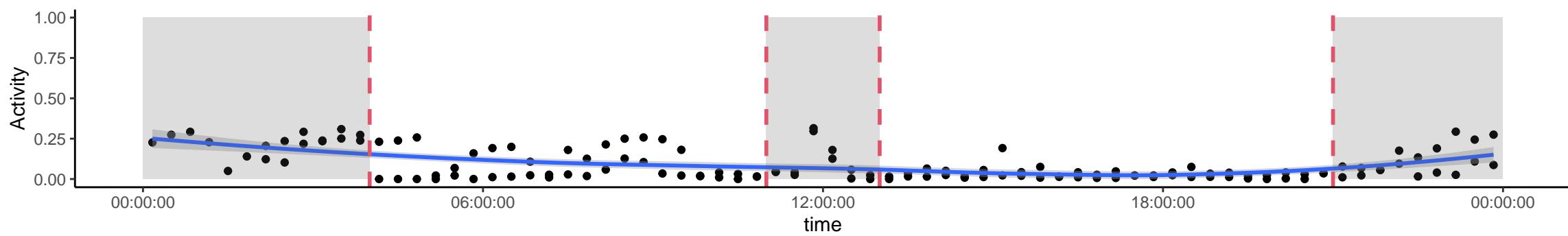
DK53413

Activity control phase



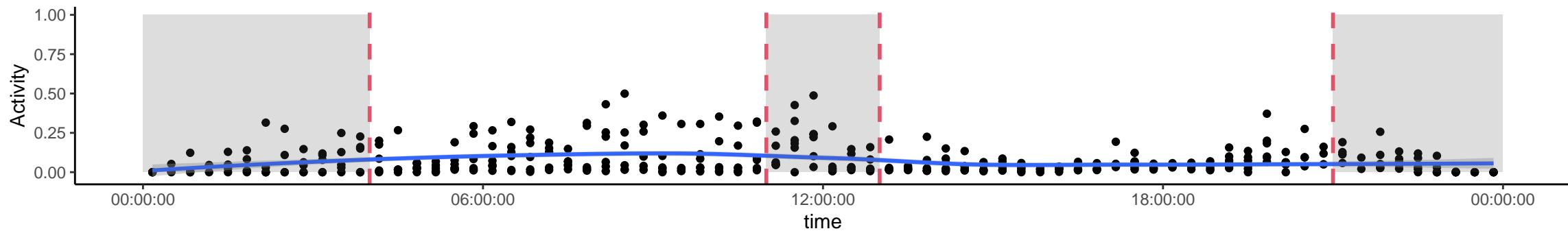
DK53413

Activity 24h light phase



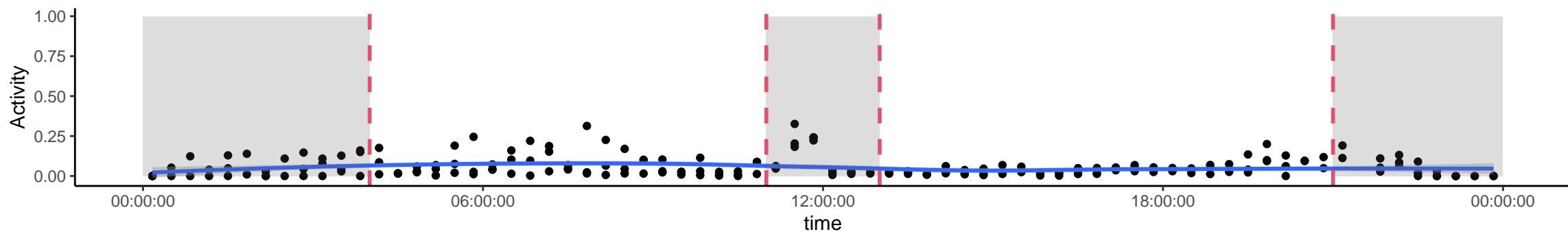
DK53653

Complete Activity



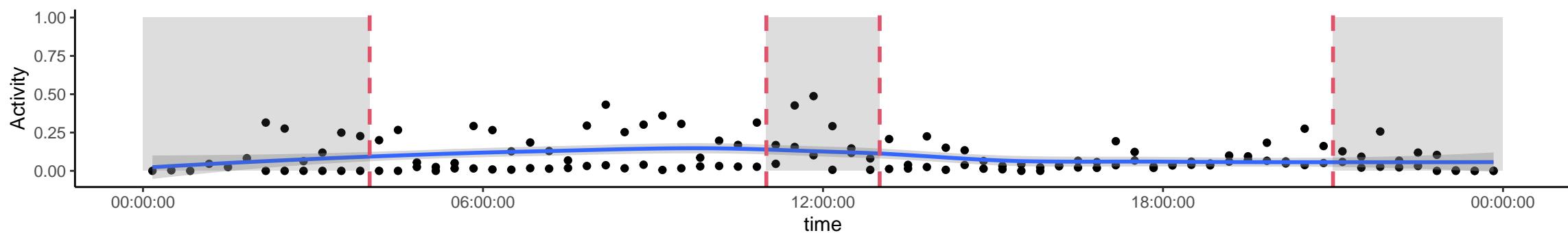
DK53653

Activity control phase



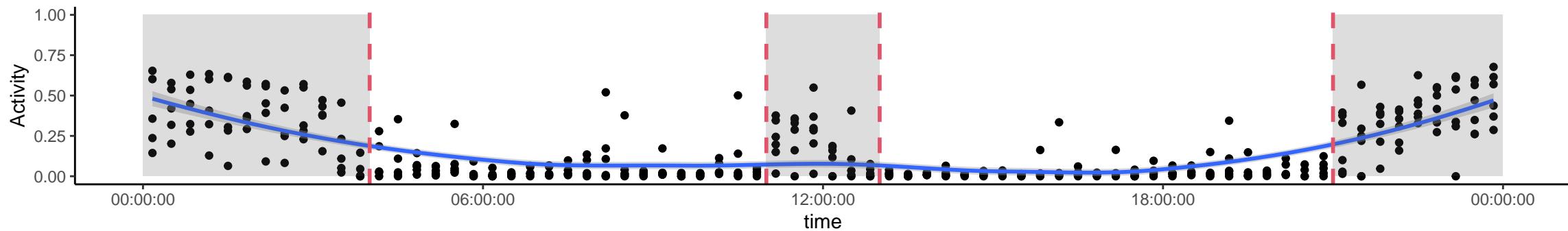
DK53653

Activity 24h light phase



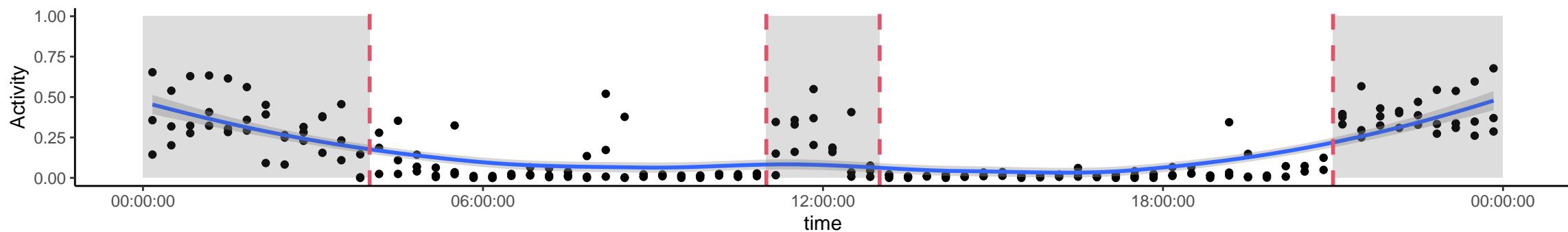
DK52637

Complete Activity



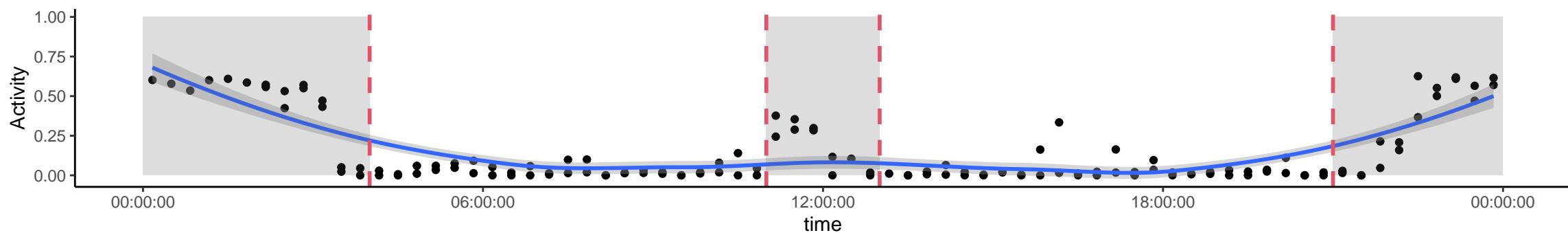
DK52637

Activity control phase



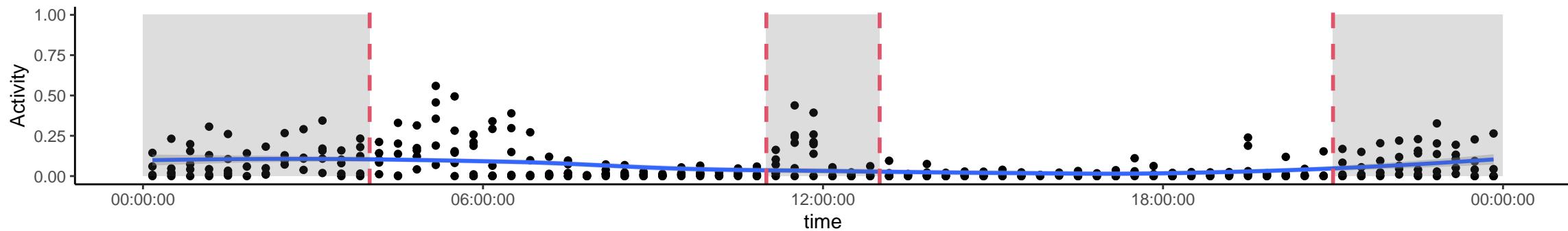
DK52637

Activity 24h light phase



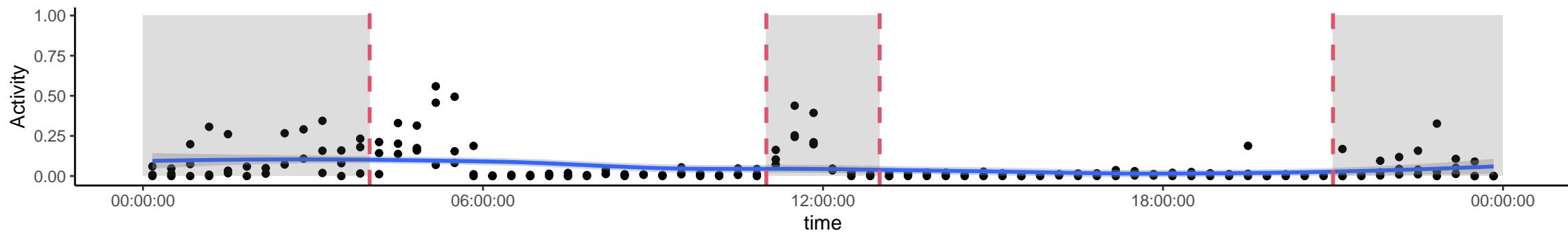
DK5195

Complete Activity



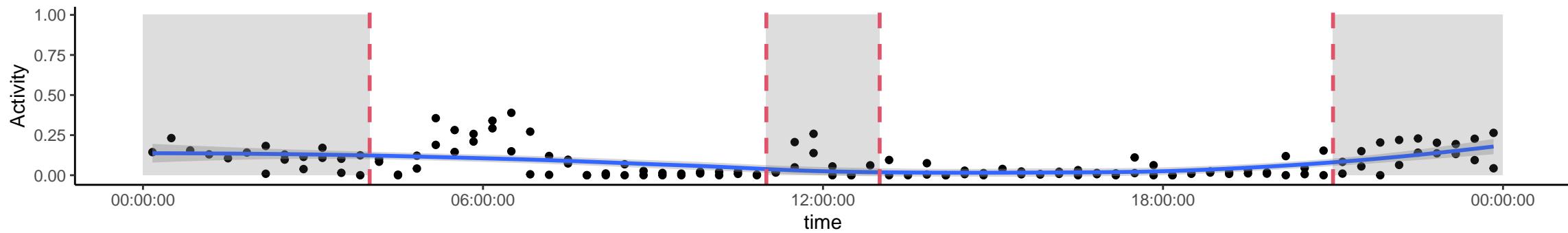
DK5195

Activity control phase



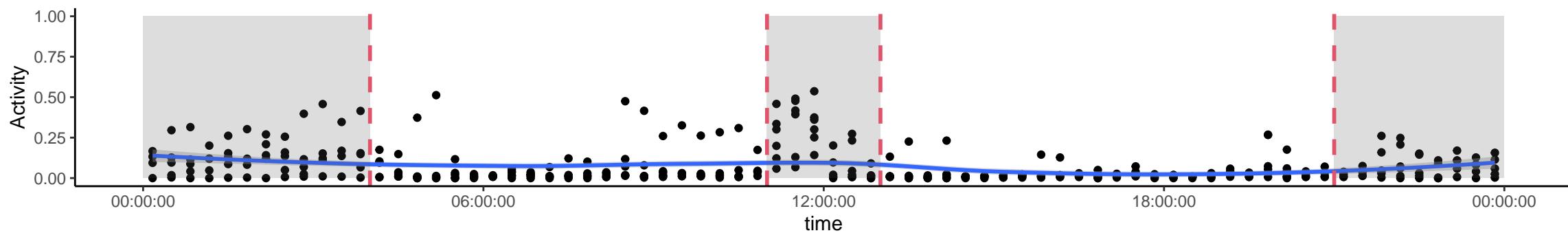
DK5195

Activity 24h light phase



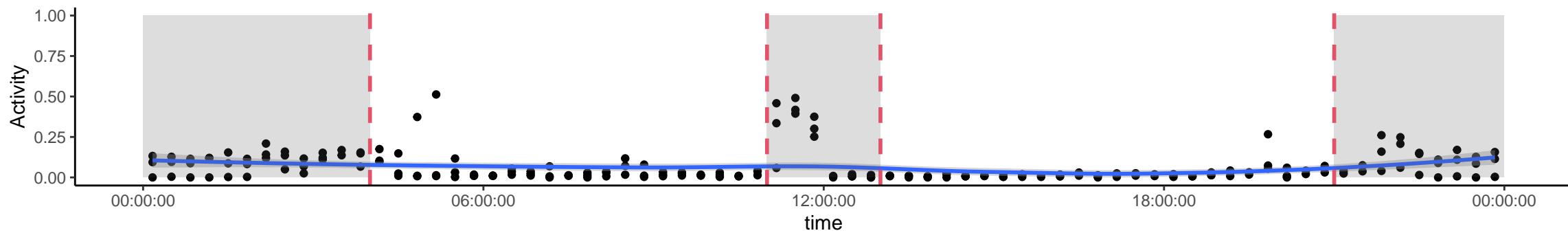
DK53568

Complete Activity



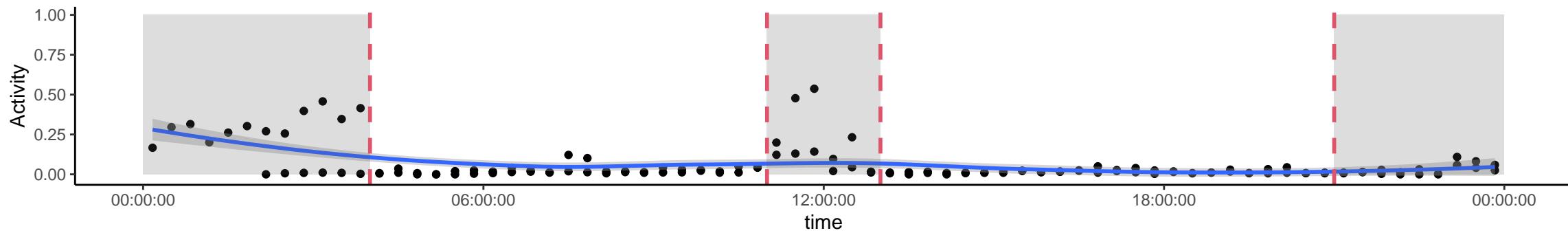
DK53568

Activity control phase



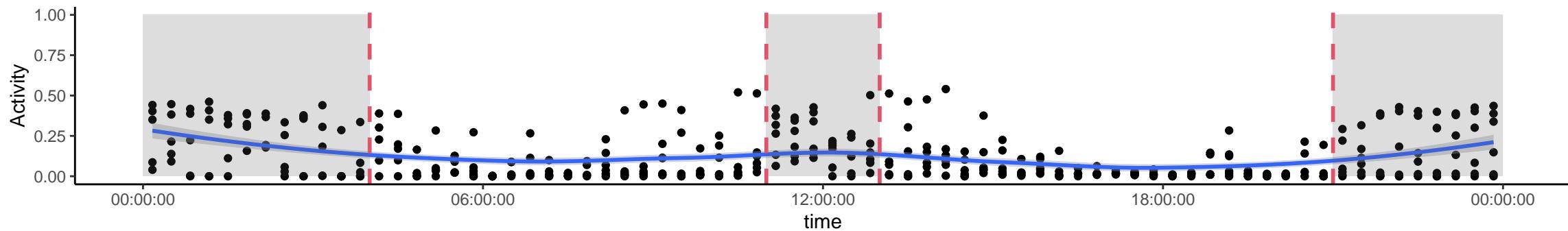
DK53568

Activity 24h light phase



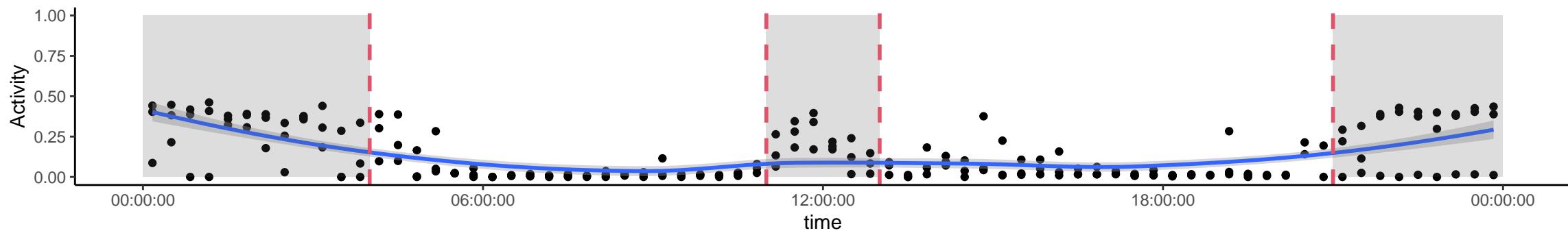
DK52712

Complete Activity



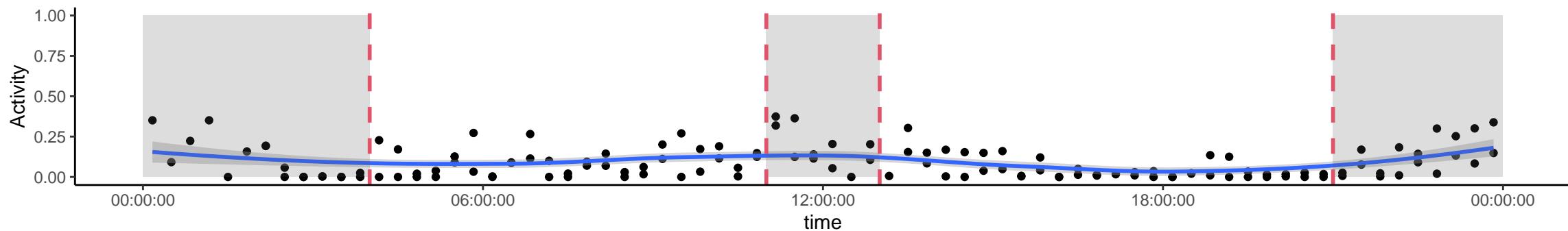
DK52712

Activity control phase



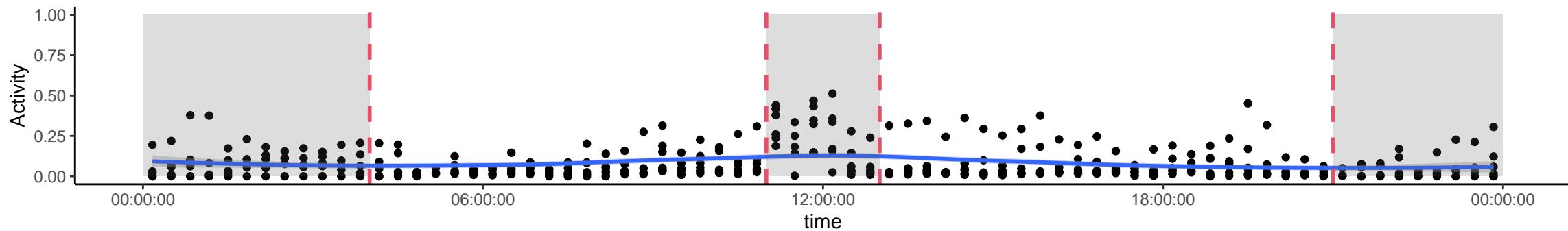
DK52712

Activity 24h light phase



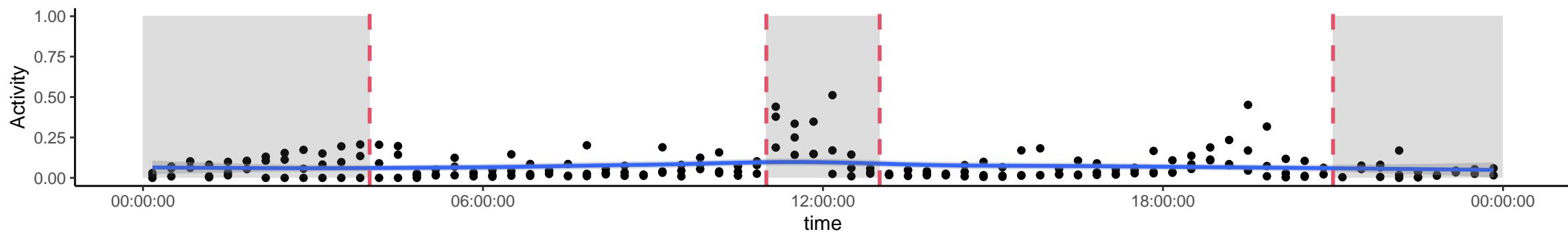
DK53417

Complete Activity



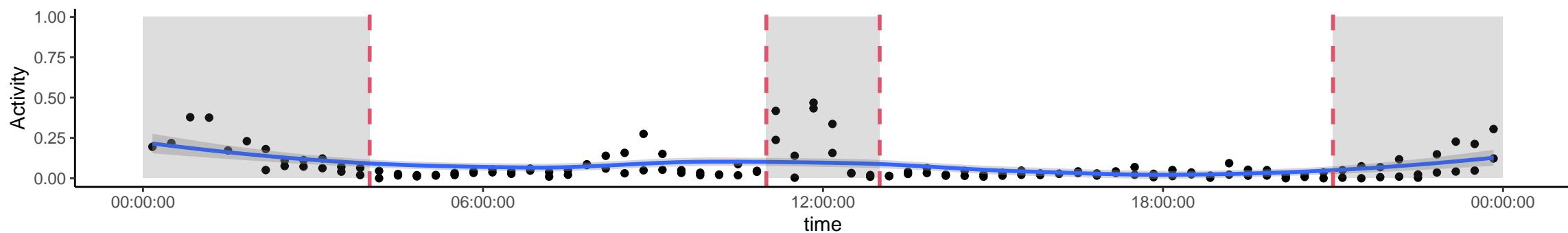
DK53417

Activity control phase



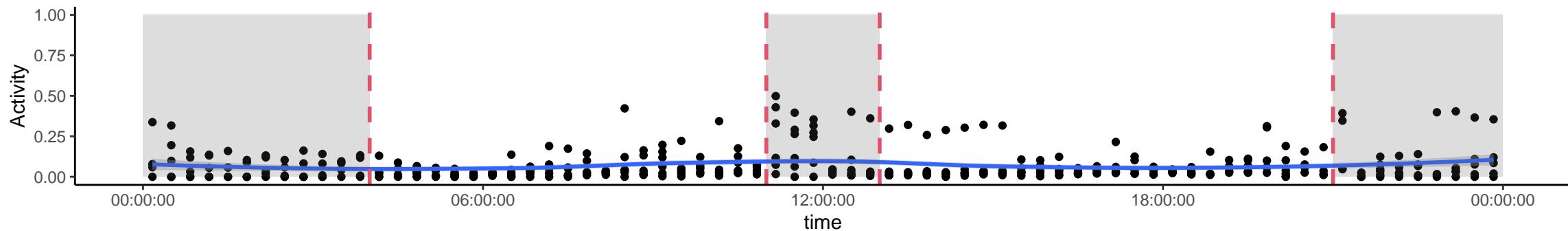
DK53417

Activity 24h light phase



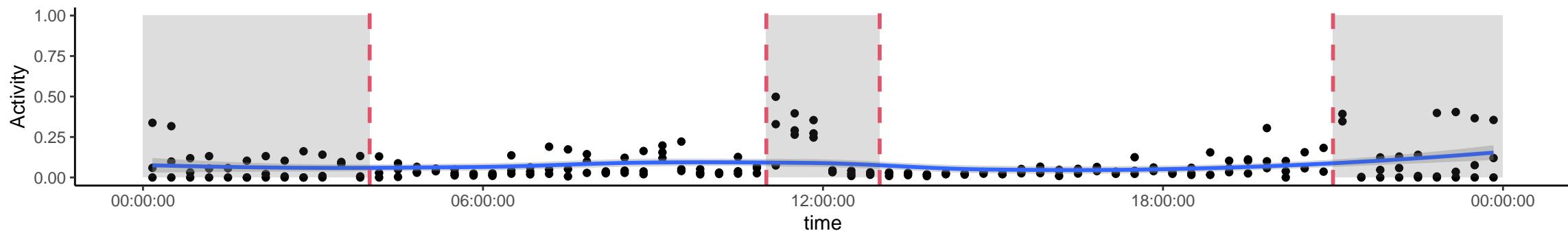
DK53658

Complete Activity



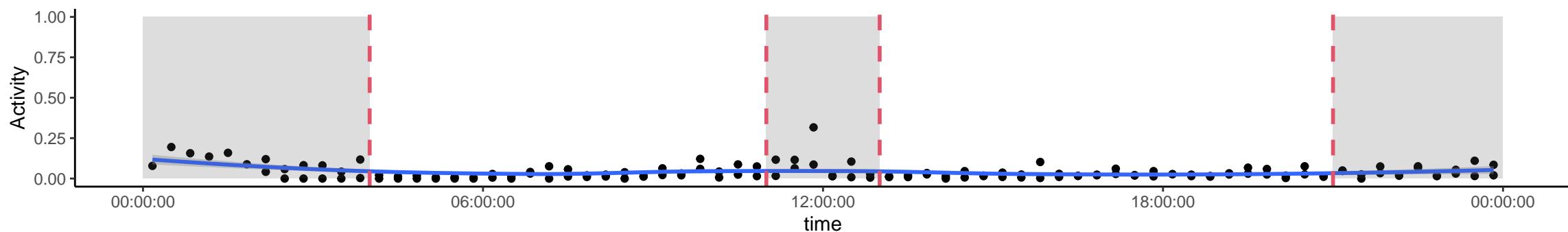
DK53658

Activity control phase



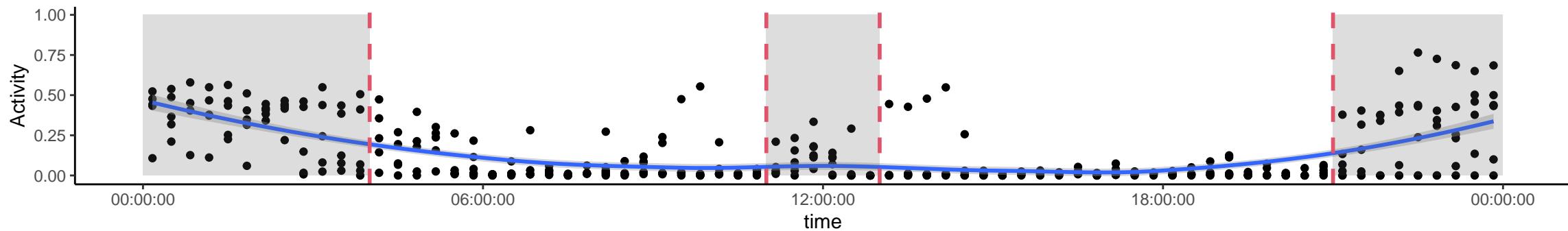
DK53658

Activity 24h light phase



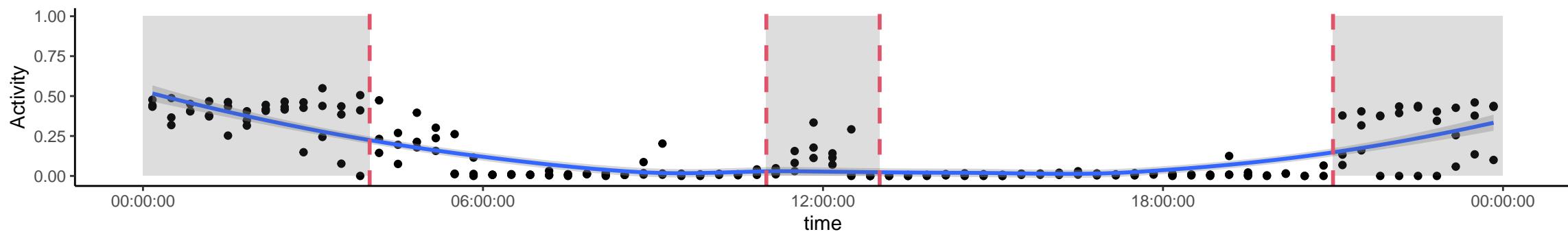
DK52713

Complete Activity



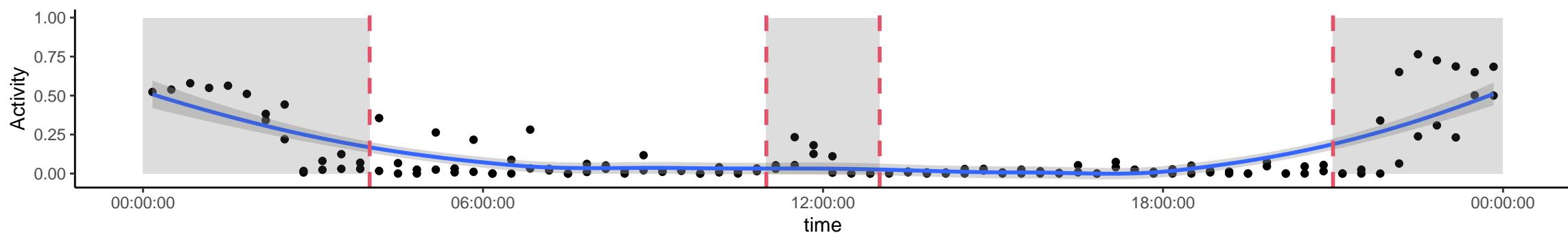
DK52713

Activity control phase



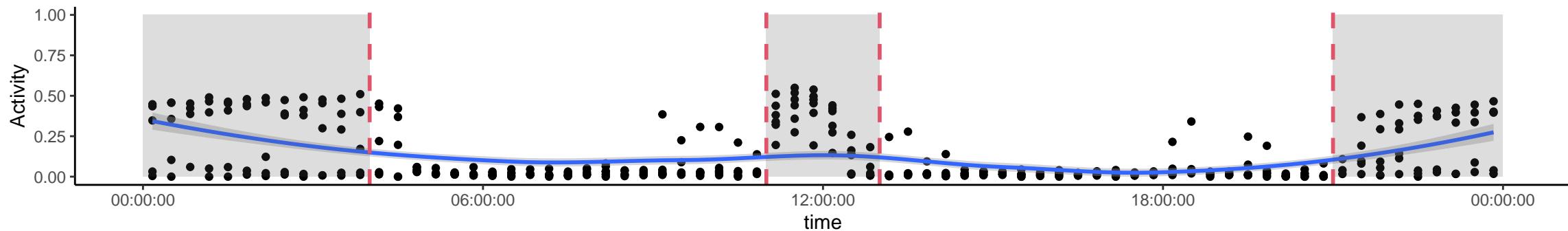
DK52713

Activity 24h light phase



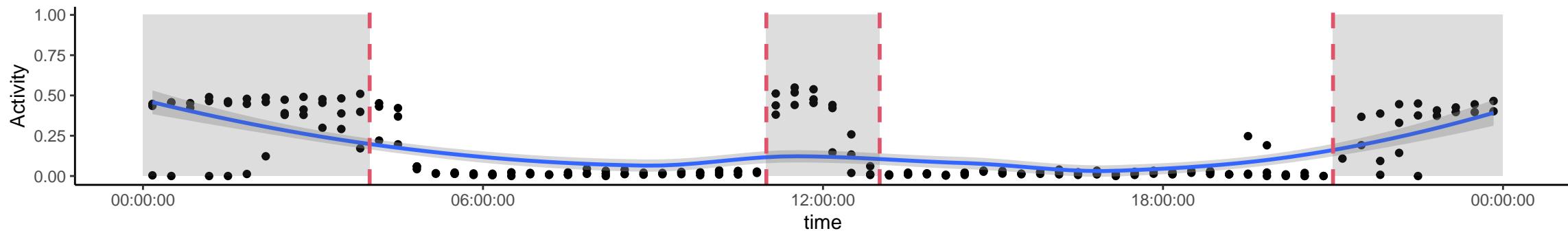
1HB27483

Complete Activity



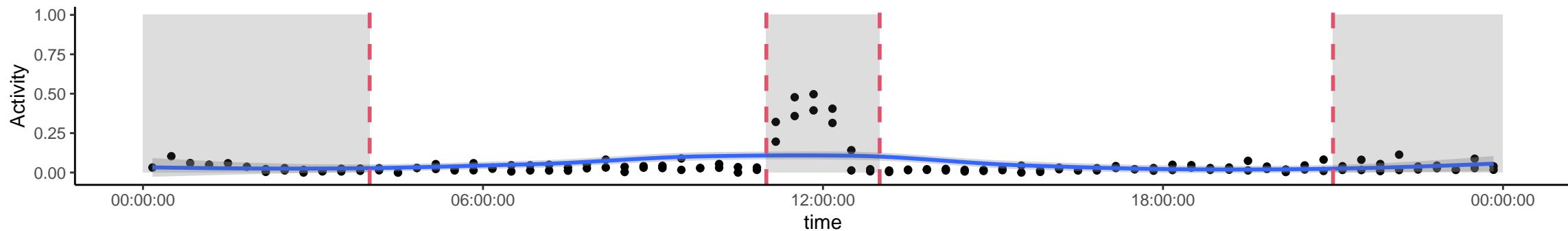
1HB27483

Activity control phase



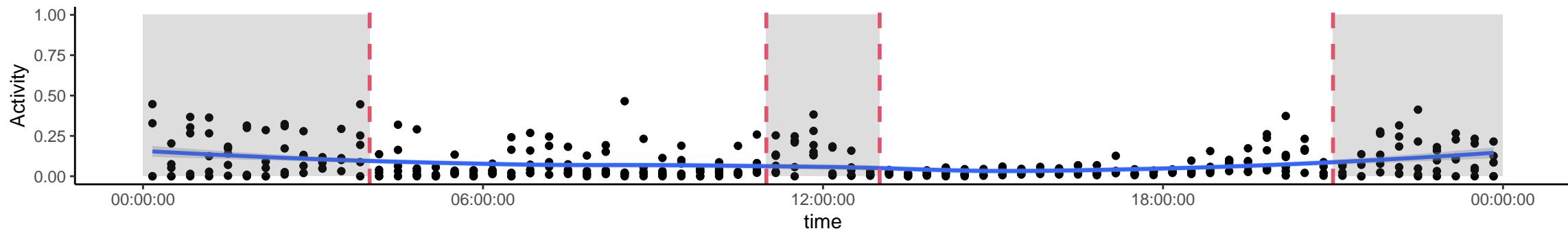
1HB27483

Activity 24h light phase



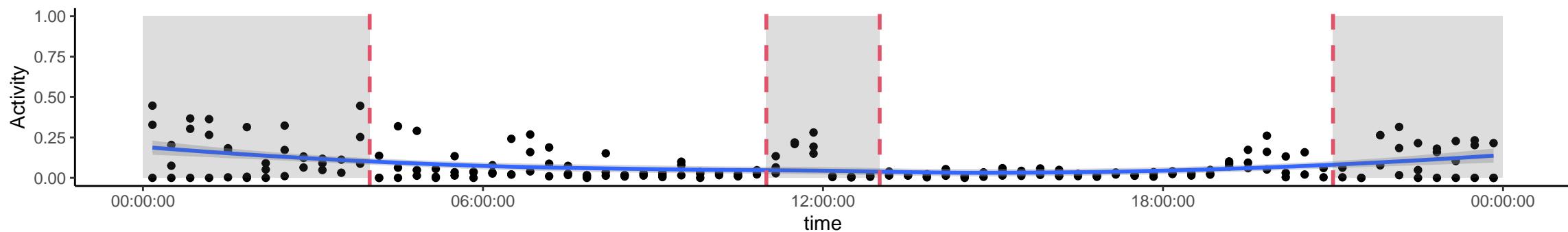
DK53567

Complete Activity



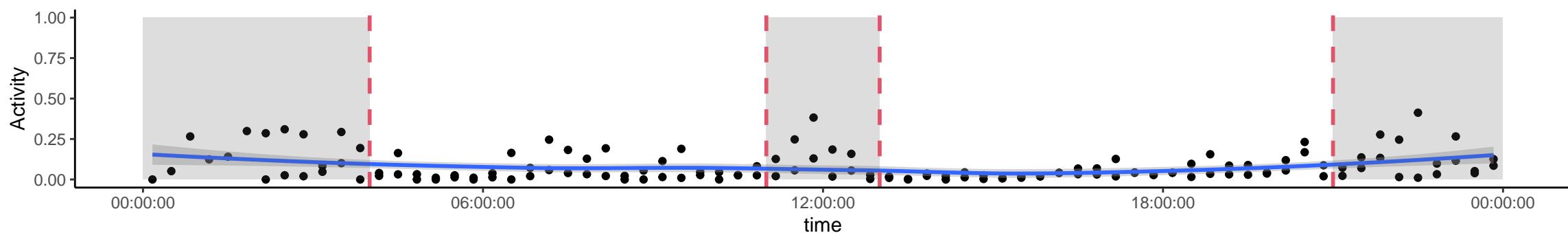
DK53567

Activity control phase



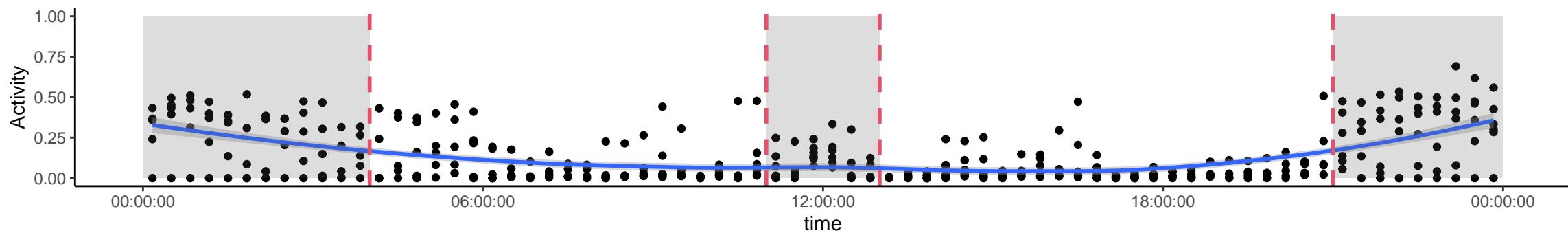
DK53567

Activity 24h light phase



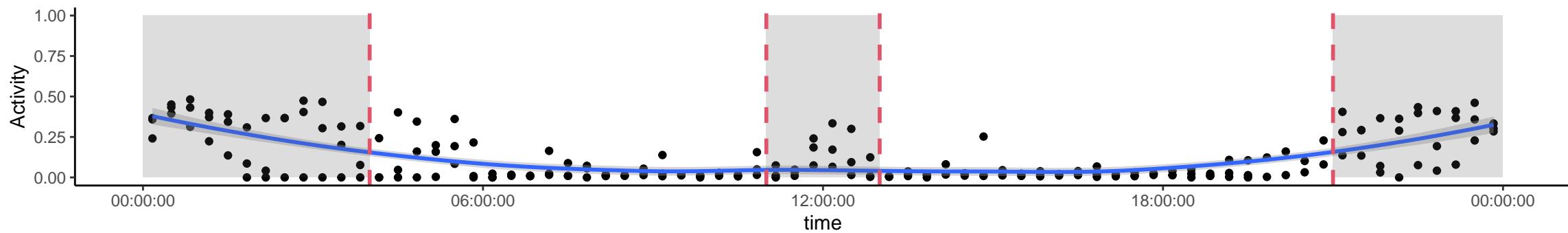
DK52638

Complete Activity



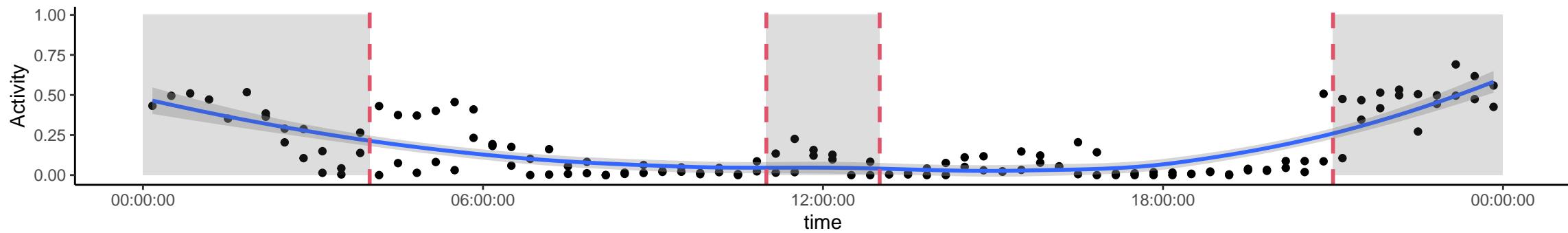
DK52638

Activity control phase



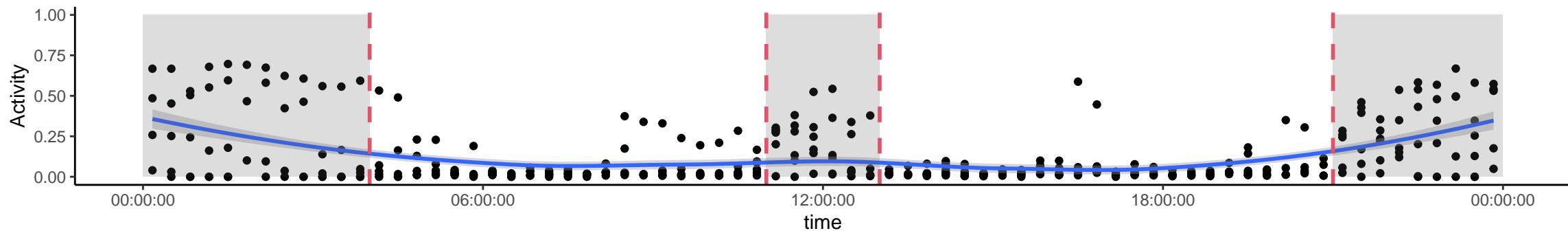
DK52638

Activity 24h light phase



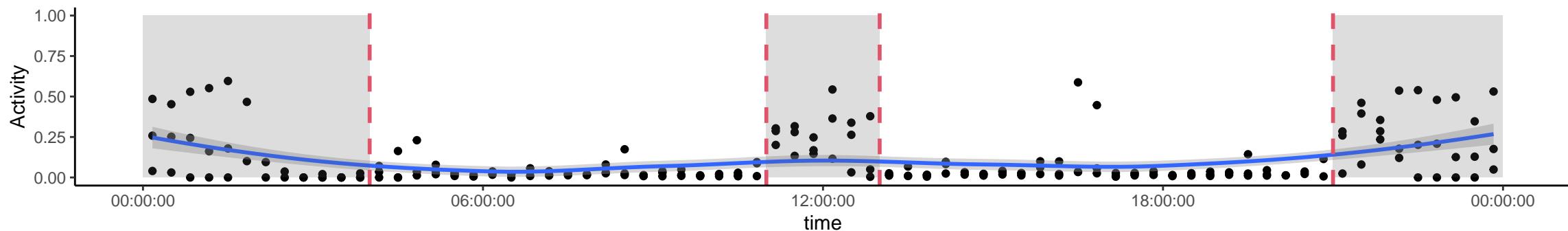
DK53359

Complete Activity



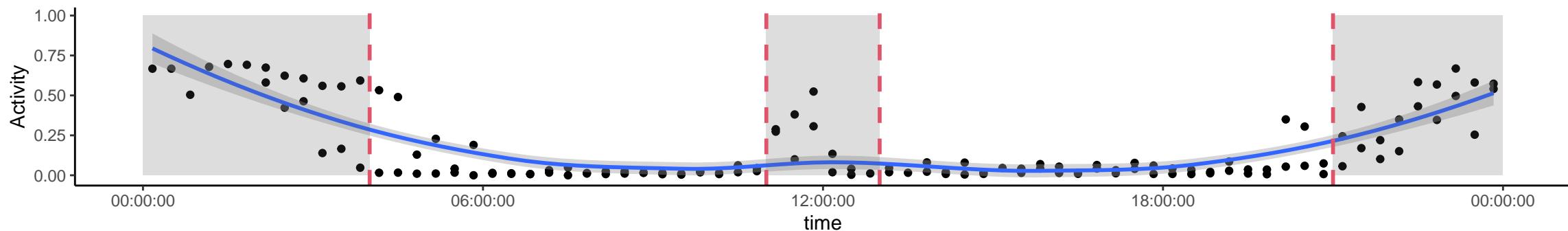
DK53359

Activity control phase



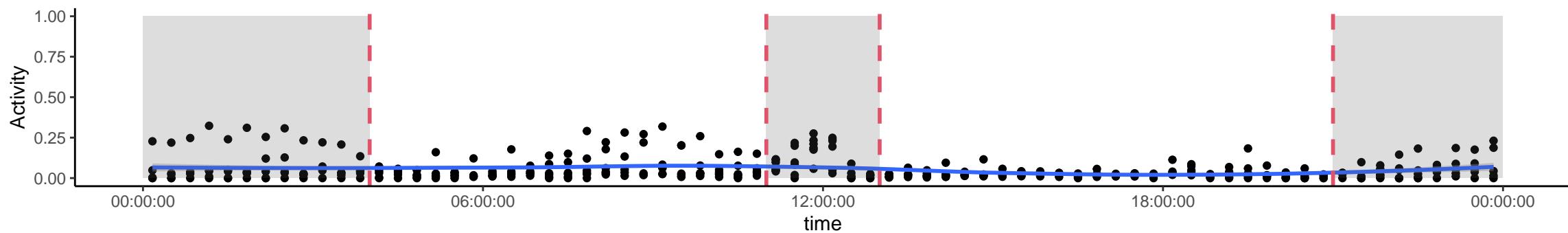
DK53359

Activity 24h light phase



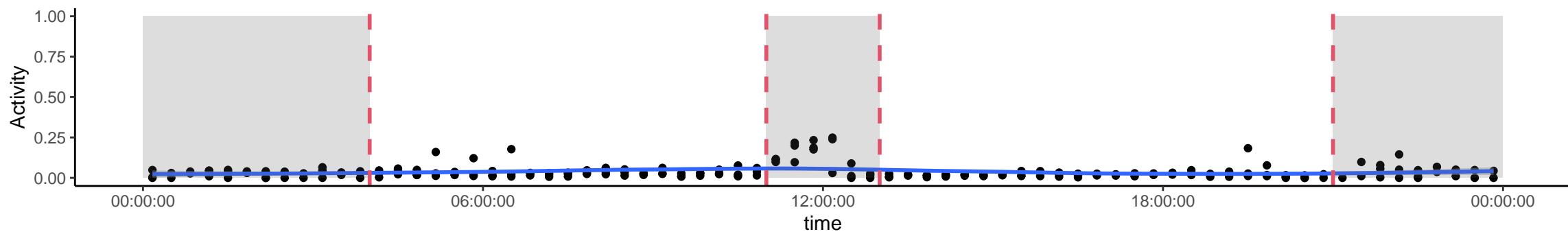
DK53416

Complete Activity



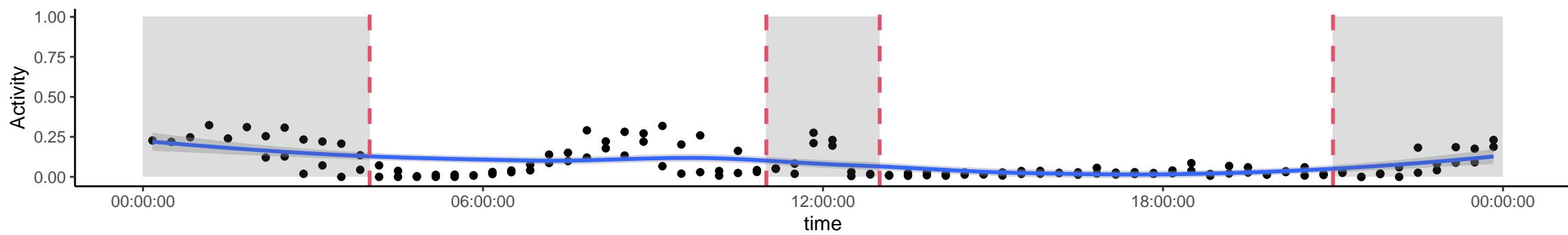
DK53416

Activity control phase



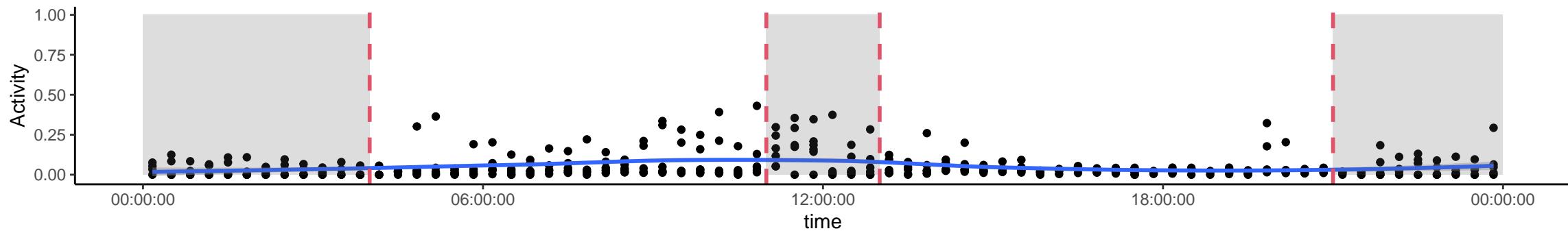
DK53416

Activity 24h light phase



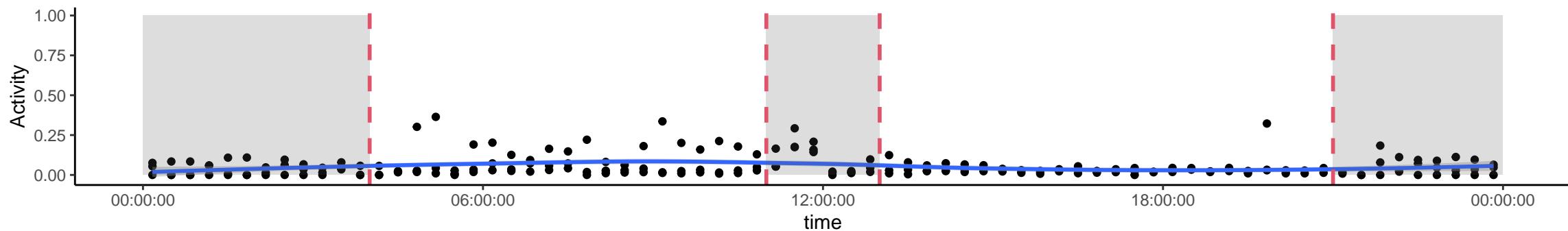
DK53569

Complete Activity



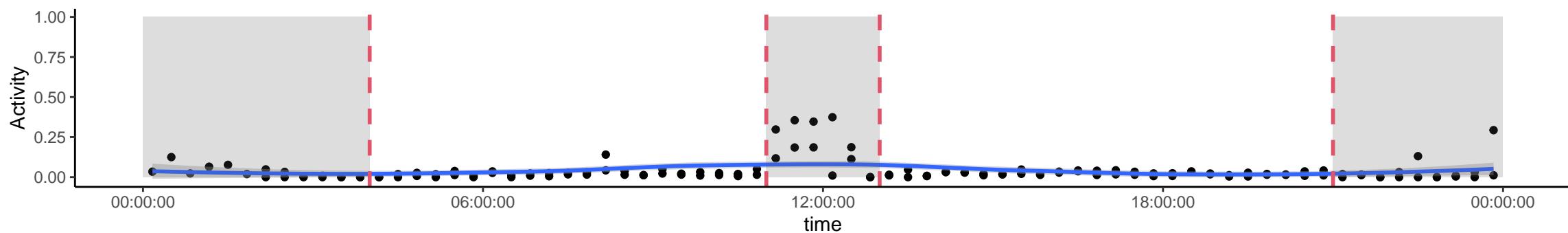
DK53569

Activity control phase



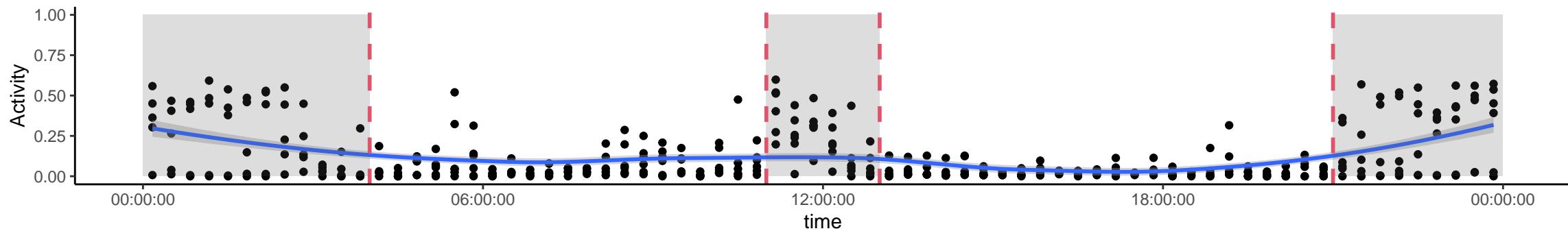
DK53569

Activity 24h light phase



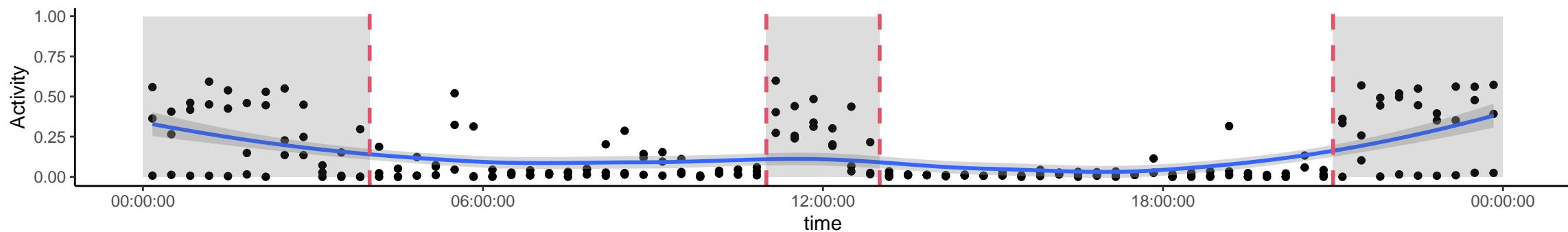
DK52639

Complete Activity



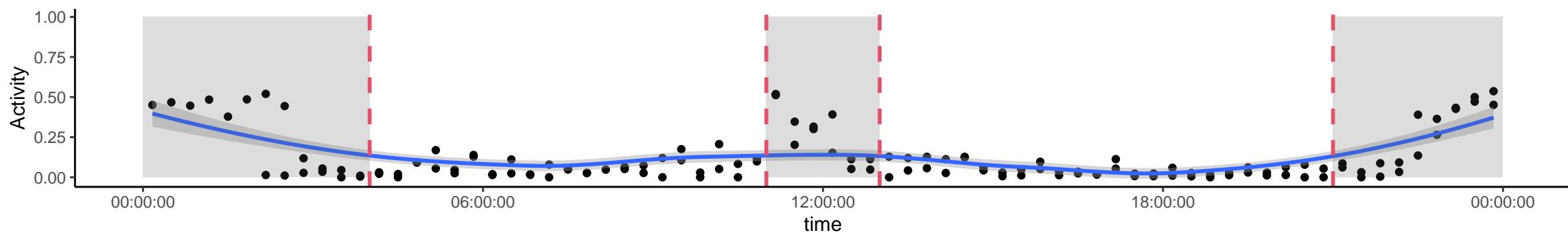
DK52639

Activity control phase



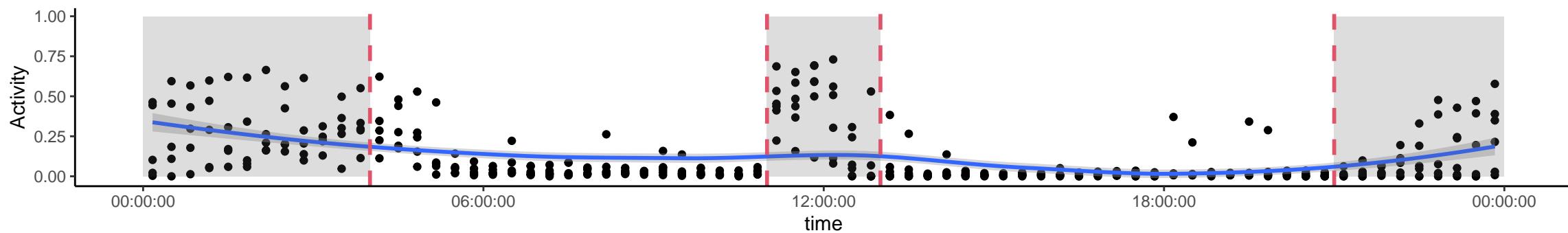
DK52639

Activity 24h light phase



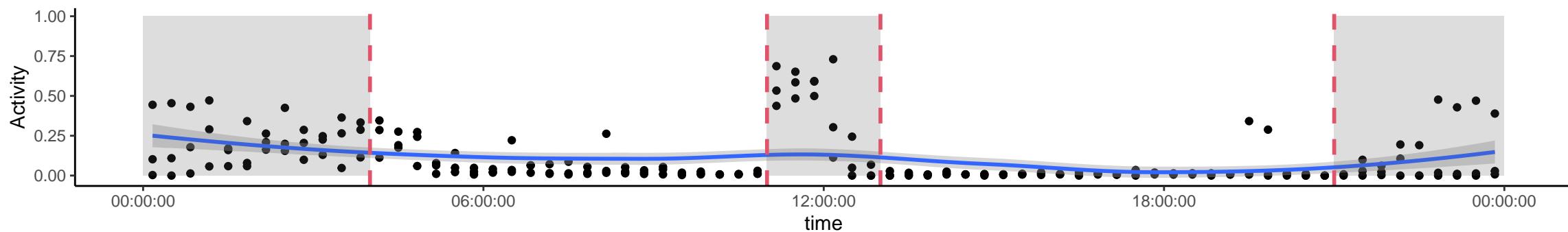
DK53418

Complete Activity



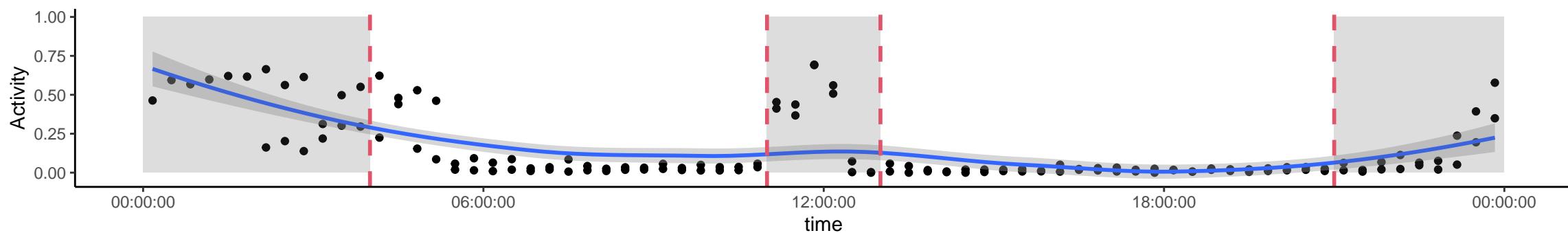
DK53418

Activity control phase



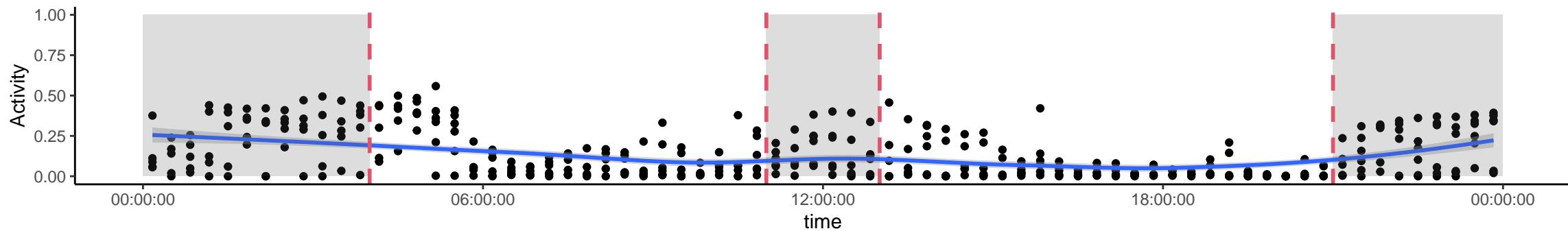
DK53418

Activity 24h light phase



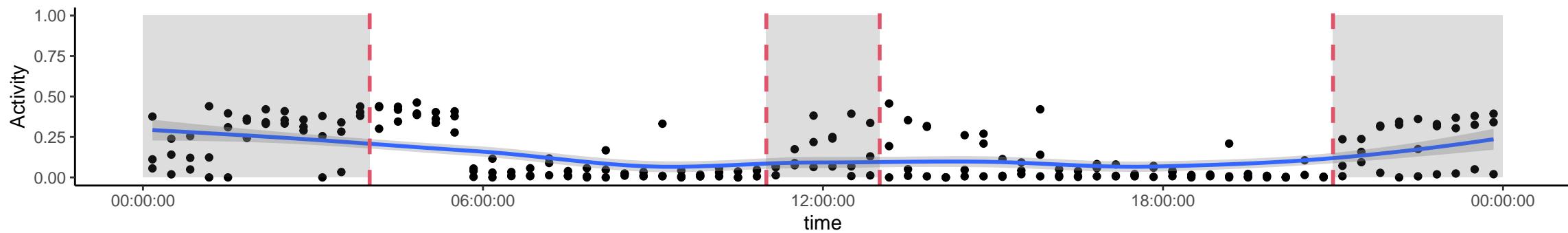
DK52640

Complete Activity



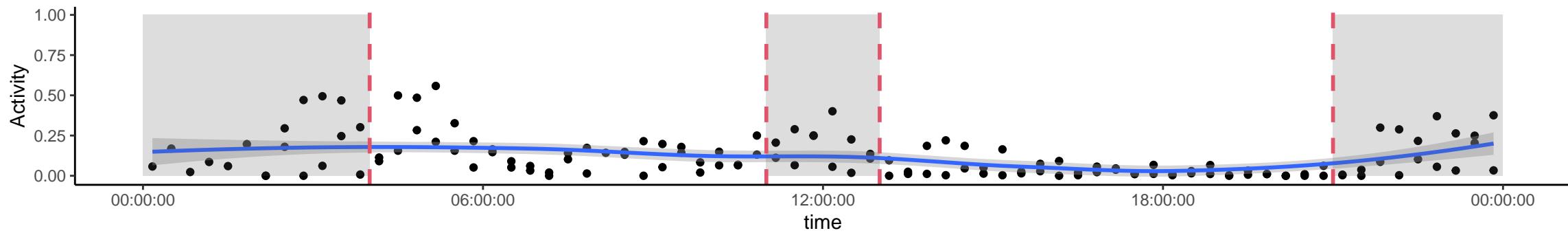
DK52640

Activity control phase



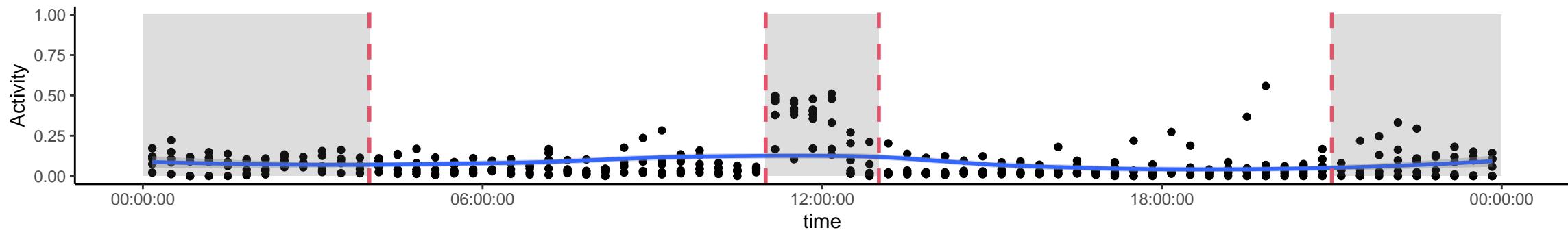
DK52640

Activity 24h light phase



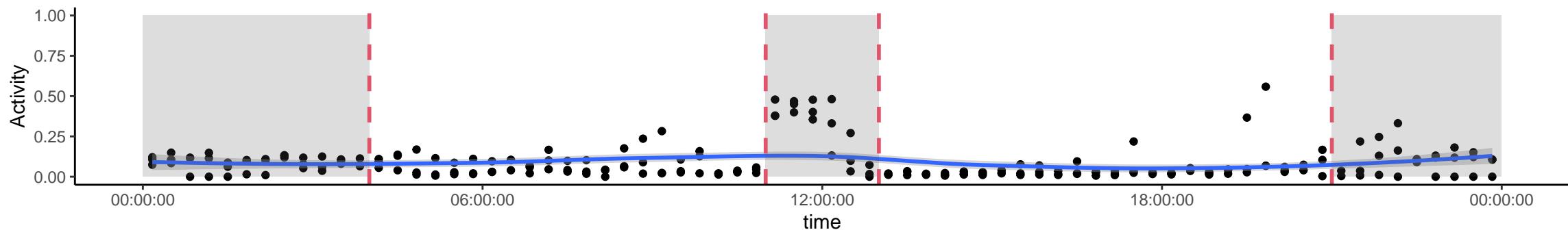
DK53419

Complete Activity



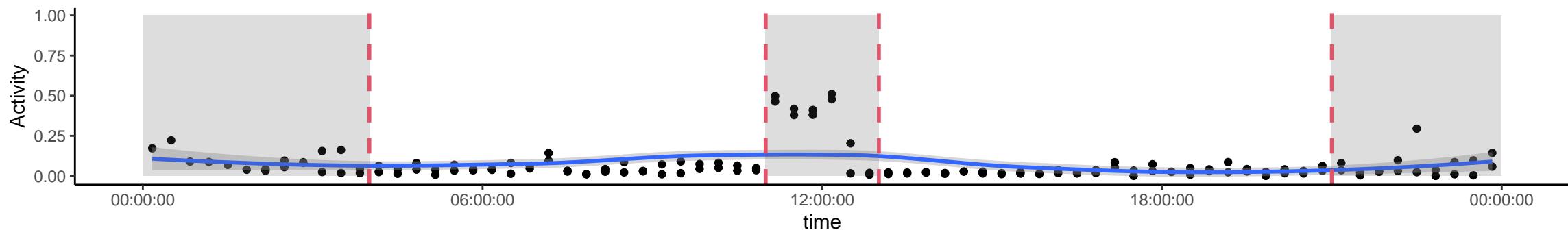
DK53419

Activity control phase



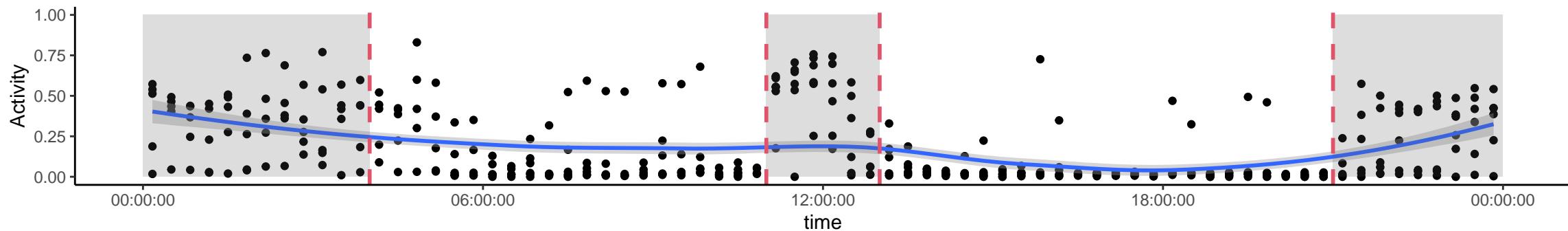
DK53419

Activity 24h light phase



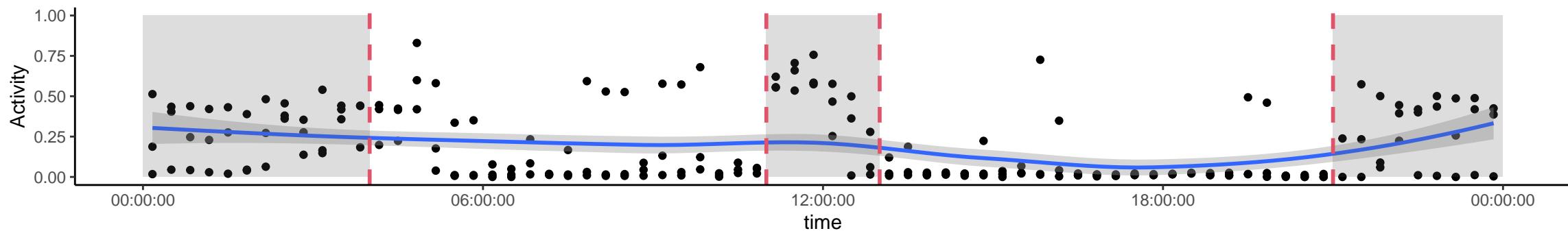
DK53420

Complete Activity



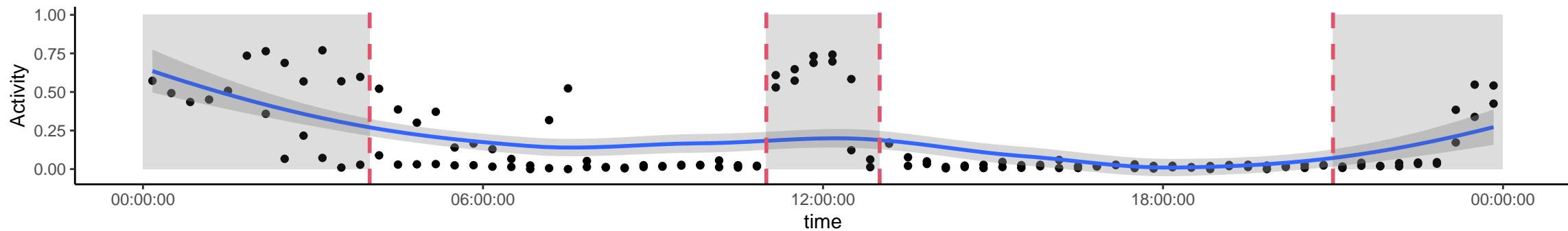
DK53420

Activity control phase

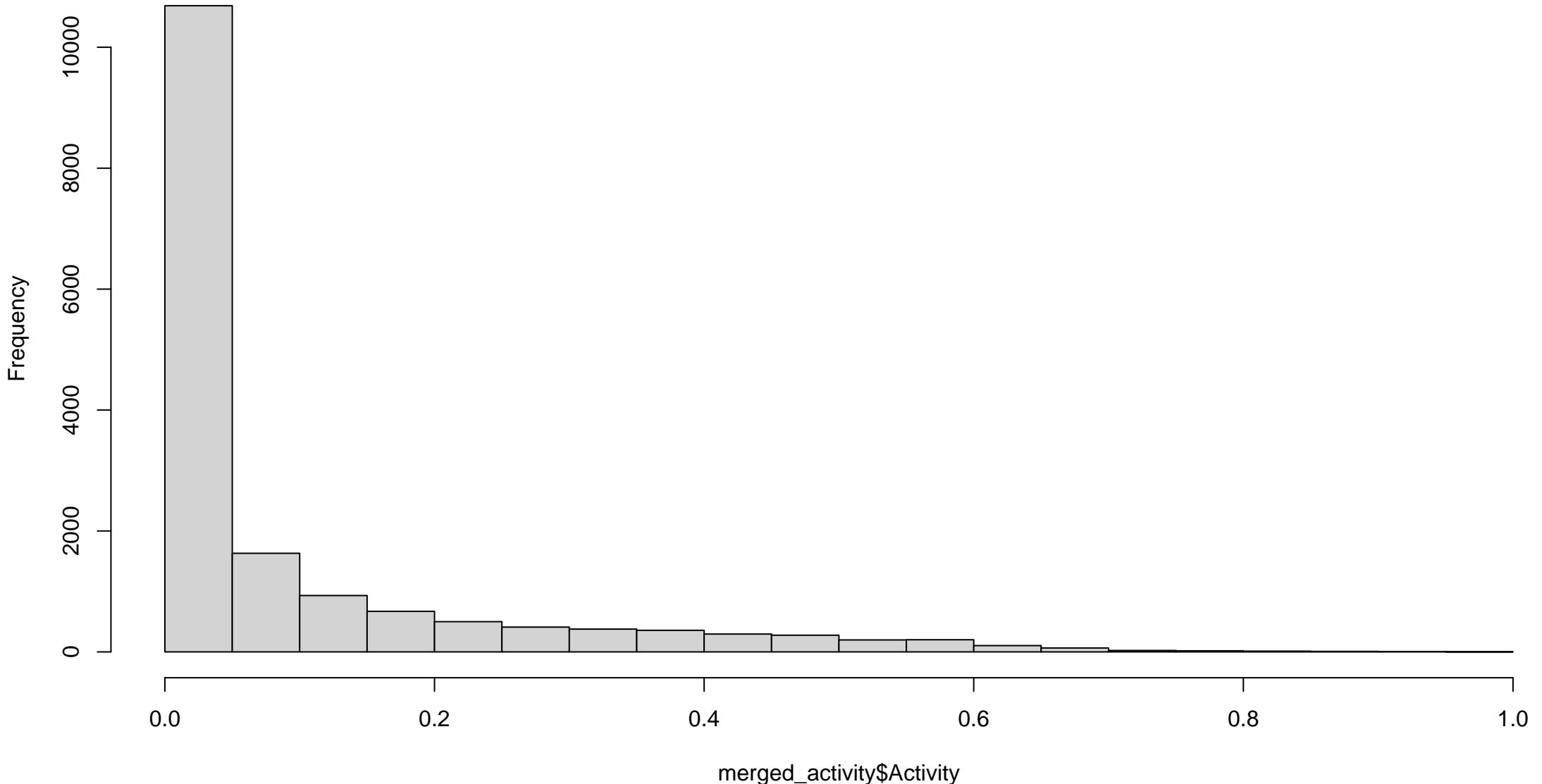


DK53420

Activity 24h light phase



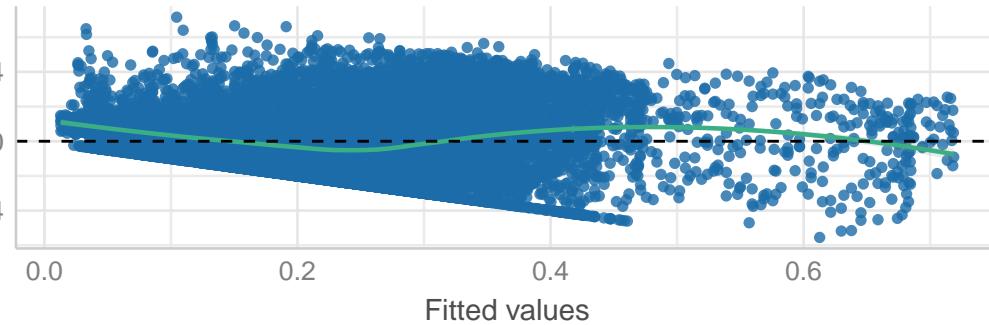
Histogram of merged_activity\$Activity



Linearity

Reference line should be flat and horizontal

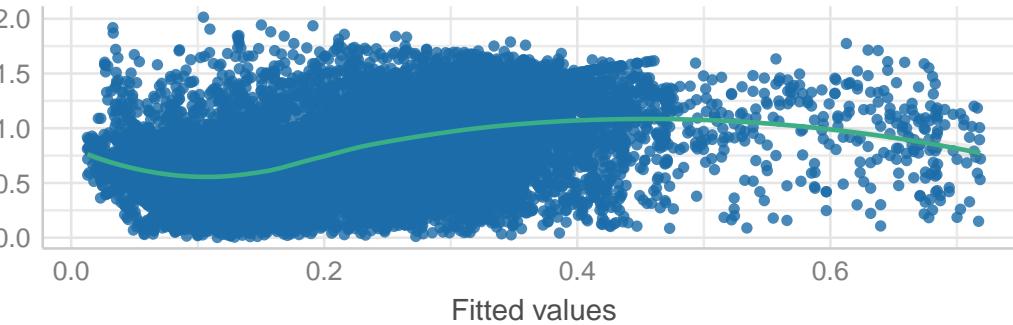
Residuals



Homogeneity of Variance

Reference line should be flat and horizontal

$\sqrt{|\text{Std. residuals}|}$



Collinearity

High collinearity (VIF) may inflate parameter uncertainty

Variance Inflation Factor (VIF, log-scaled)

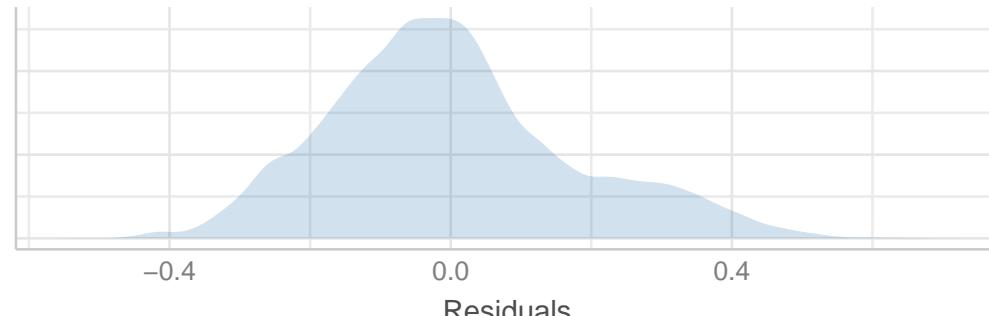


Low (< 5)

Normality of Residuals

Distribution should be close to the normal curve

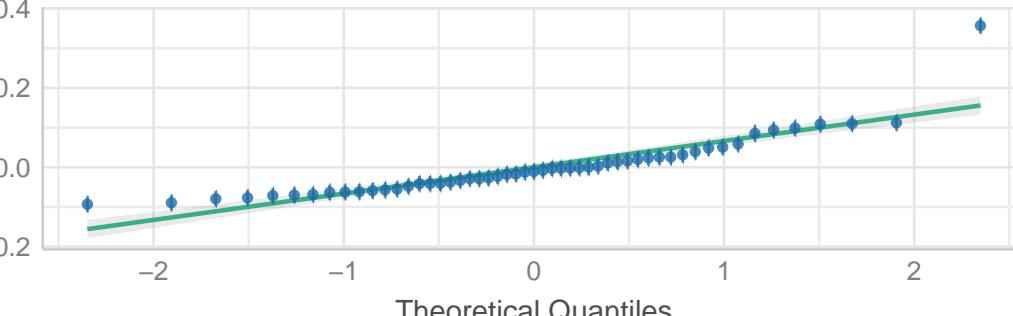
Density



Normality of Random Effects (Ring)

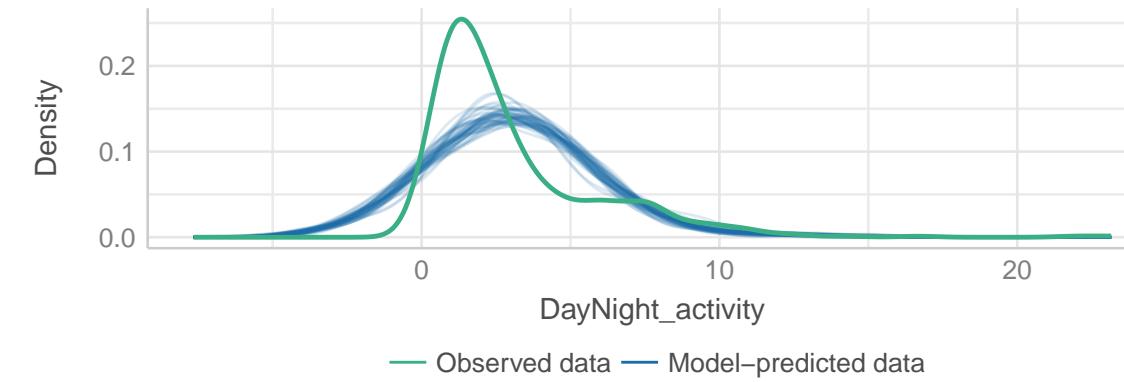
Dots should be plotted along the line

RE Quantiles



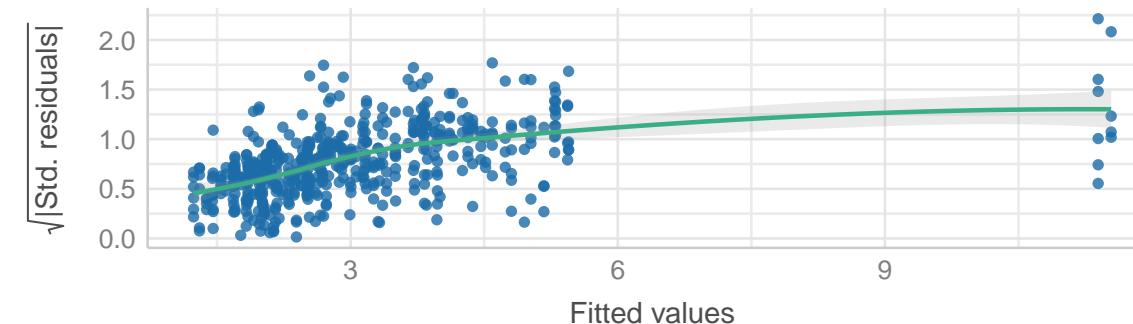
Posterior Predictive Check

Model-predicted lines should resemble observed data line



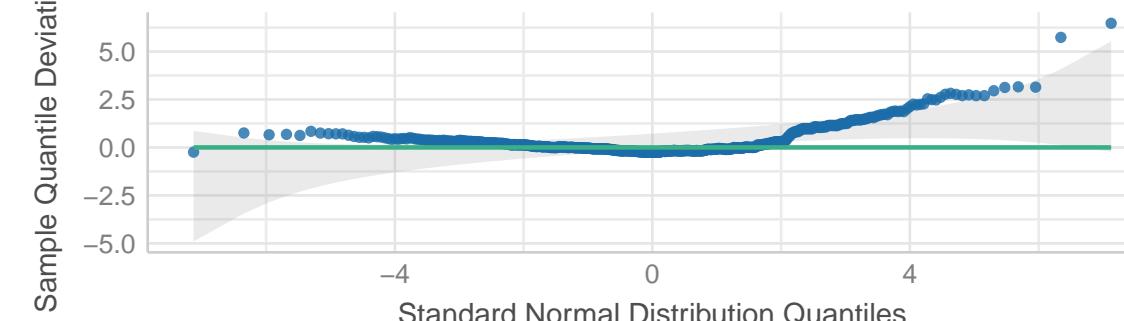
Homogeneity of Variance

Reference line should be flat and horizontal



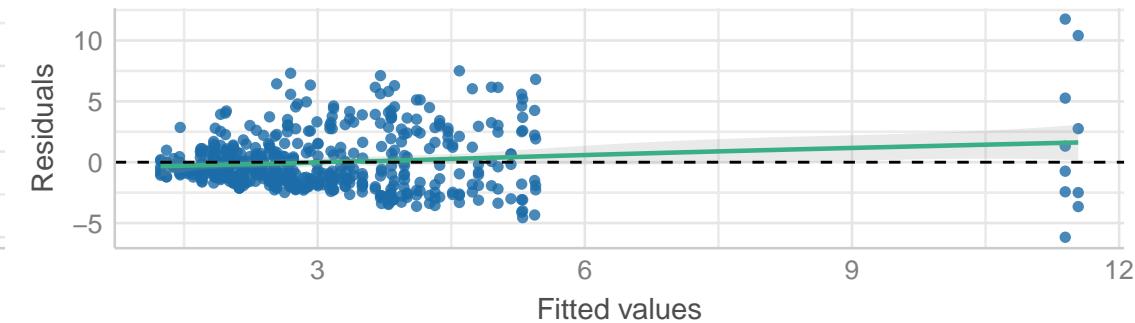
Normality of Residuals

Dots should fall along the line



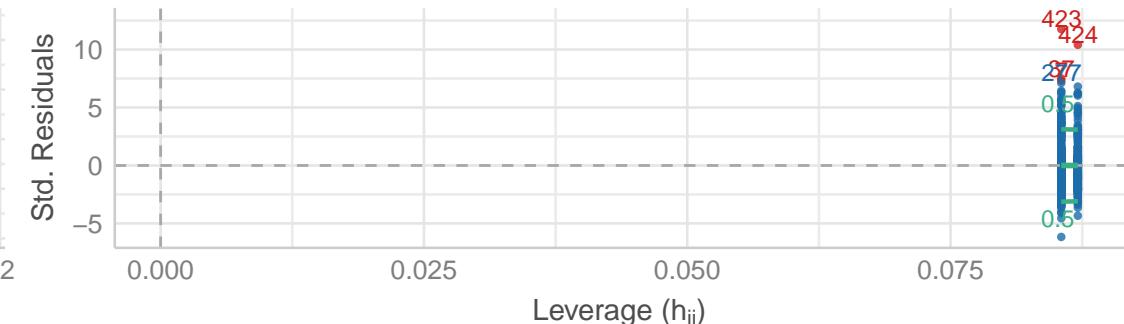
Linearity

Reference line should be flat and horizontal



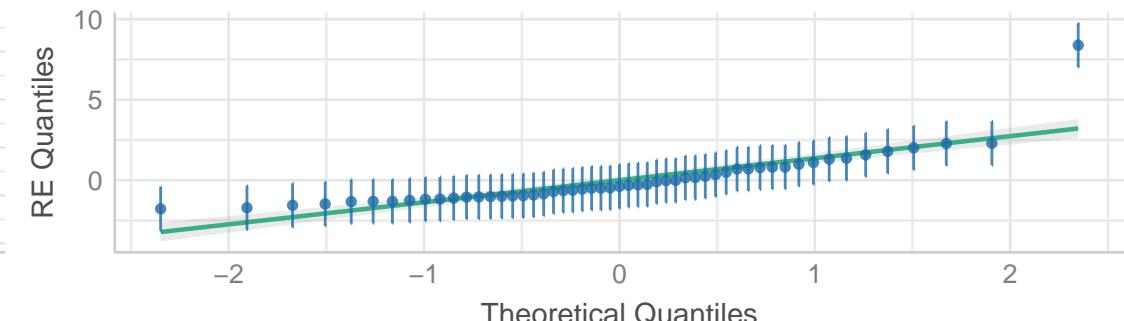
Influential Observations

Points should be inside the contour lines

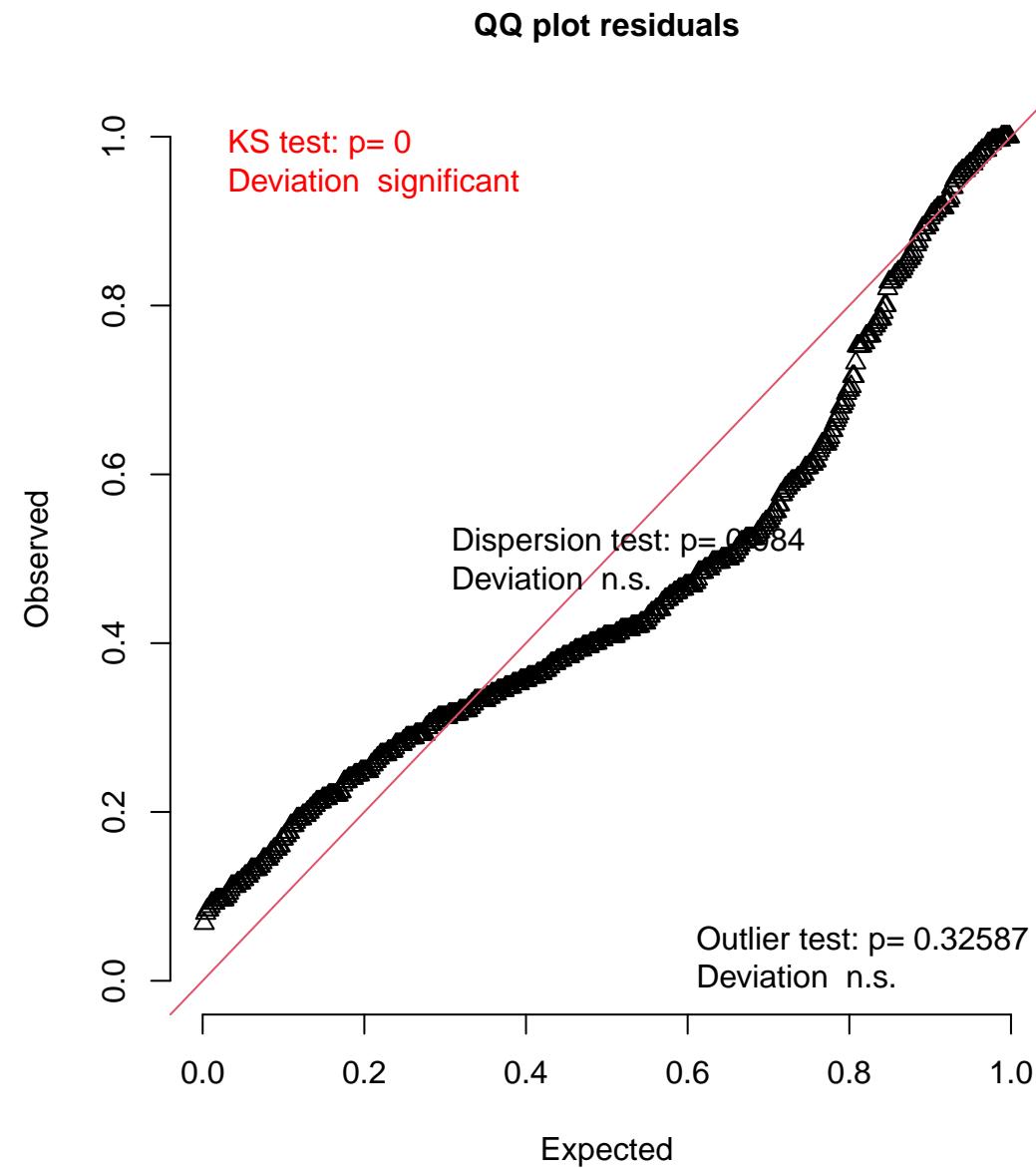


Normality of Random Effects (Ring)

Dots should be plotted along the line



DHARMA residual



Within-group deviations from uniformity significant (red)
Levene Test for homogeneity of variance significant

