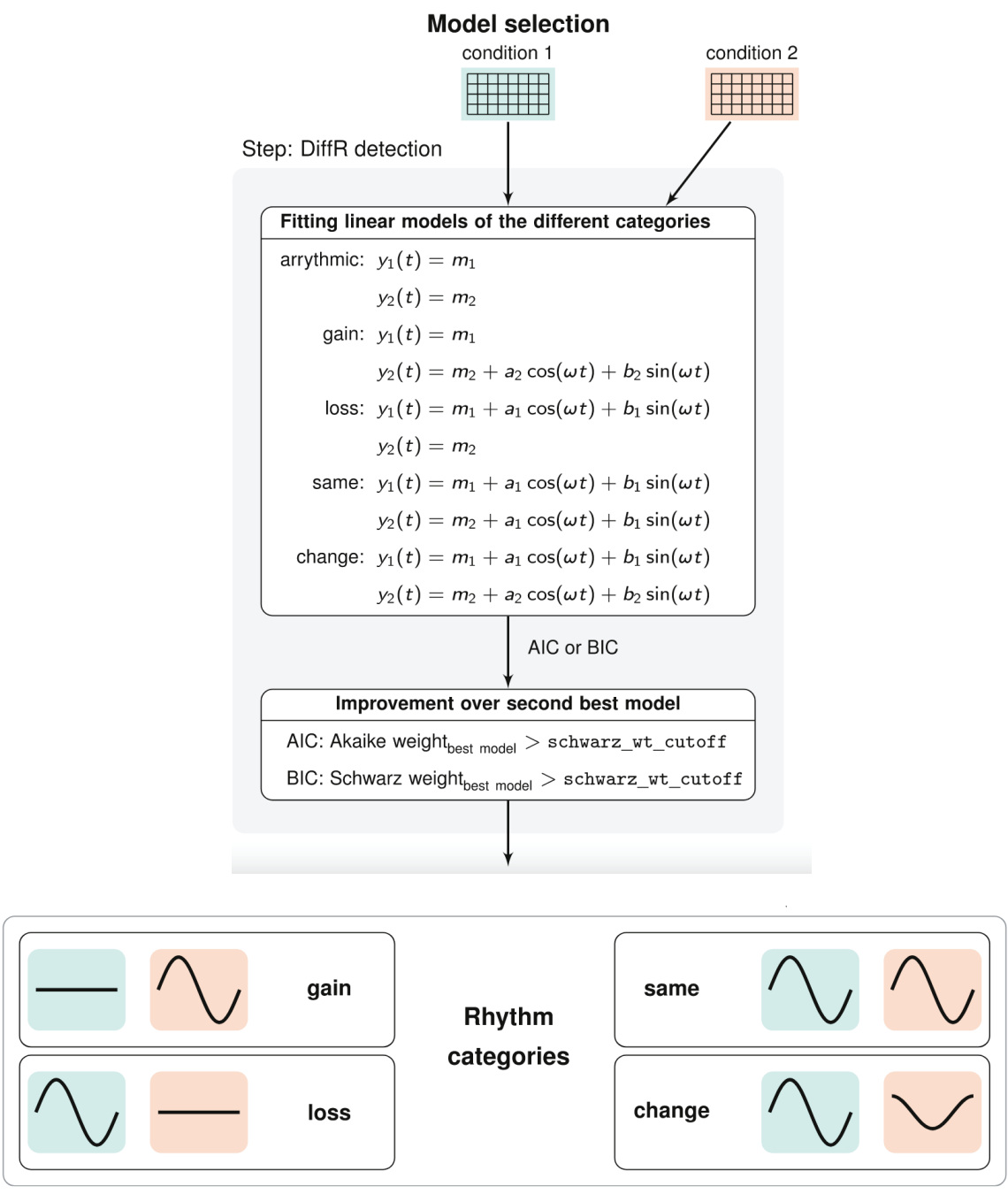
Model selection
condition 1
condition 2
Step: DiffR detection
Fitting linear models of the different categories
arrythmic: $y_1(t) = m_1$
$y_2(t) = m_2$
gain: $y_1(t) = m_1$
$y_2(t) = m_2 + a_2 \cos(\omega t) + b_2 \sin(\omega t)$
loss: $y_1(t) = m_1 + a_1 \cos(\omega t) + b_1 \sin(\omega t)$
$y_2(t) = m_2$
same: $y_1(t) = m_1 + a_1 \cos(\omega t) + b_1 \sin(\omega t)$
$y_2(t) = m_2 + a_1 \cos(\omega t) + b_1 \sin(\omega t)$
change: $y_1(t) = m_1 + a_1 \cos(\omega t) + b_1 \sin(\omega t)$
$y_2(t) = m_2 + a_2 \cos(\omega t) + b_2 \sin(\omega t)$
AIC or BIC
Improvement over second best model
AIC: Akaike weight$_{\text{best model}}$ > schwarz_wt_cutoff
BIC: Schwarz weight$_{\text{best model}}$ > schwarz_wt_cutoff
gain
loss
Rhythm categories
same
change