

# GFPOP for ECG data

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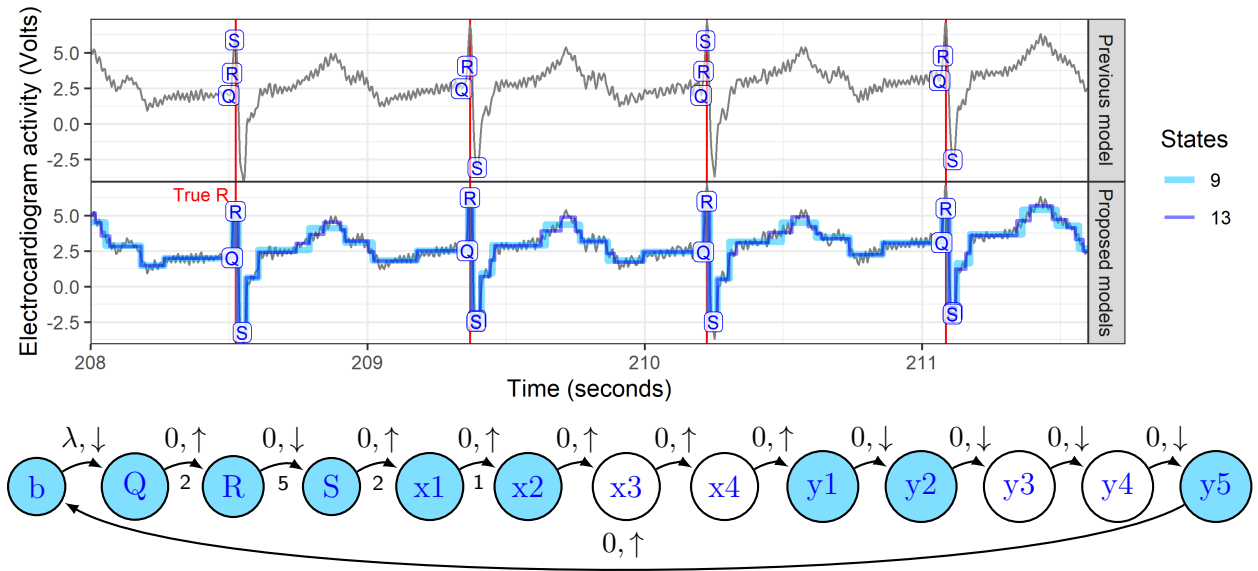


Figure 1: In these electrocardiogram data, it is important for models (blue) to accurately detect the QRS complex (Q is before the peak, R is the peak marked in red, S is the local minimum after the peak). **Top:** Previous model of ? mistakenly predicts S at the peak. **Bottom:** proposed constrained changepoint model using a graph with 9 vertices accurately predicts R at each peak.