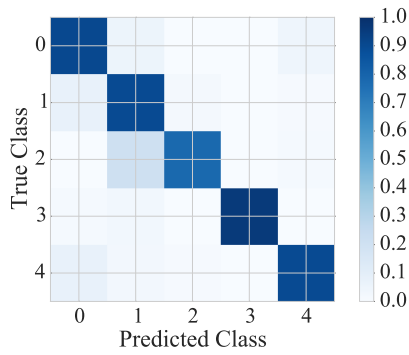
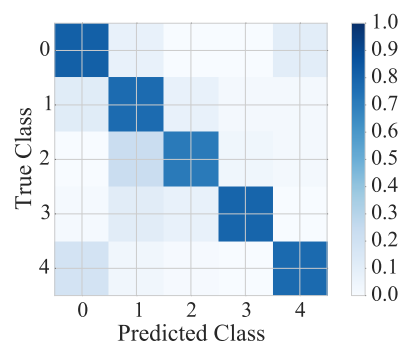


Supplemental Material 2: Classification results for hypothesis 2b

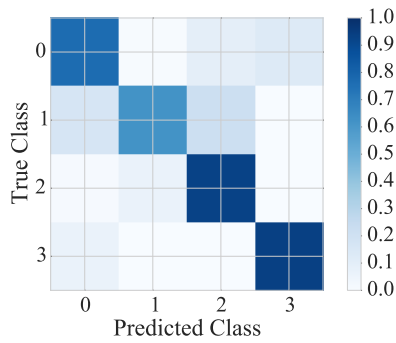
This supplemental material provides the normalized confusion matrices and posterior probabilities for all classification tasks performed using Naive Bayes (NB3, Fig.1) and Logistic Regression (LR3, Fig.2) with the expert-defined but automatically discretized (NB3) or continuous (LR3) features (hypothesis 2b).



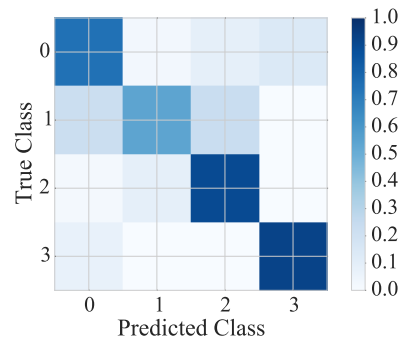
(a) *ASTS* normalized confusion matrix



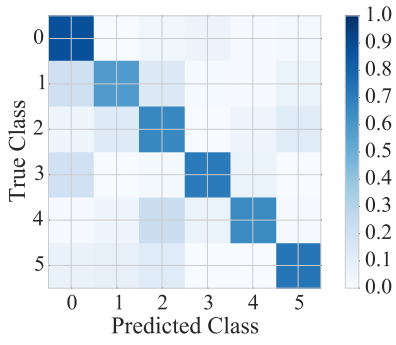
(b) *ASTS* posterior probabilities



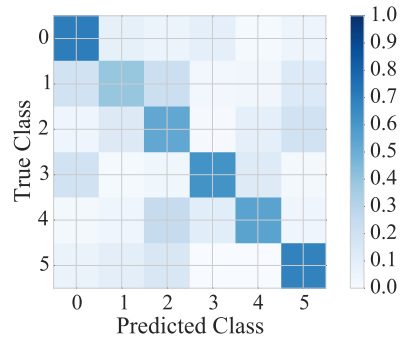
(c) *ASWS* normalized confusion matrix



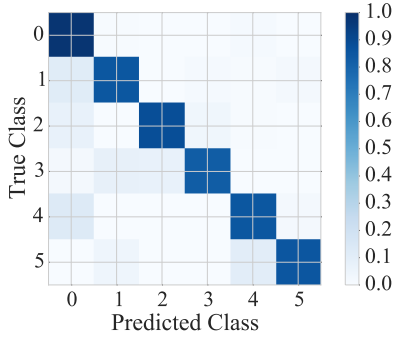
(d) *ASWS* posterior probabilities



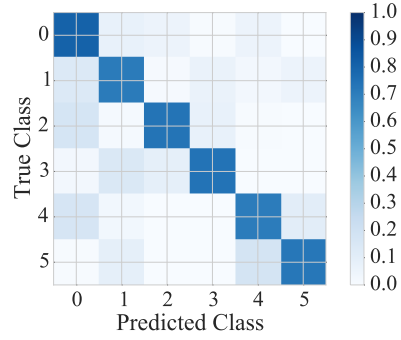
(e) *KSTS* normalized confusion matrix



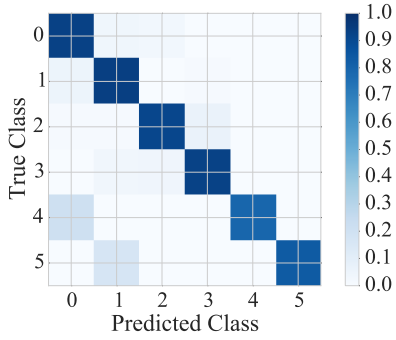
(f) *KSTS* posterior probabilities



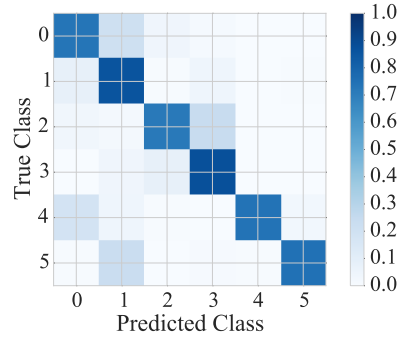
(g) *KWS* normalized confusion matrix



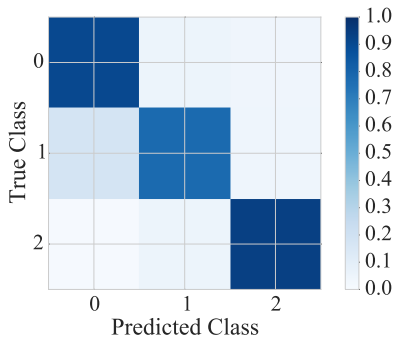
(h) *KWS* posterior probabilities



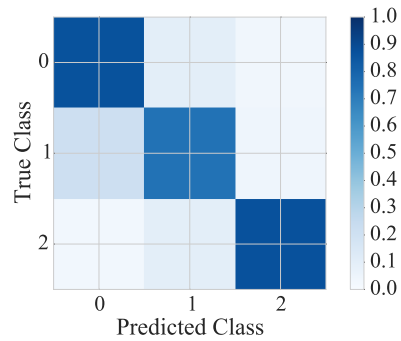
(i) *PS* normalized confusion matrix



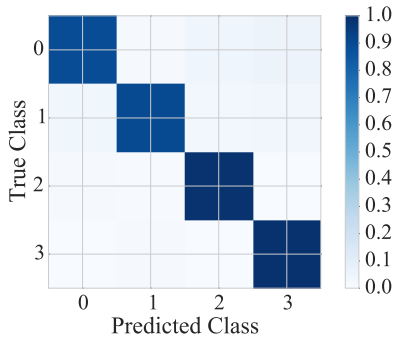
(j) *PS* posterior probabilities



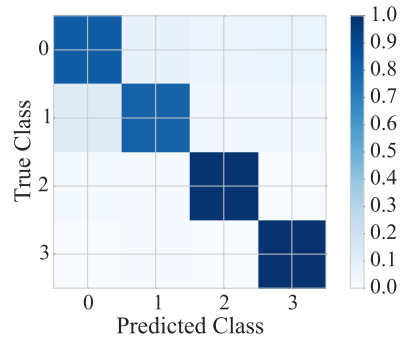
(k) *HS* normalized confusion matrix



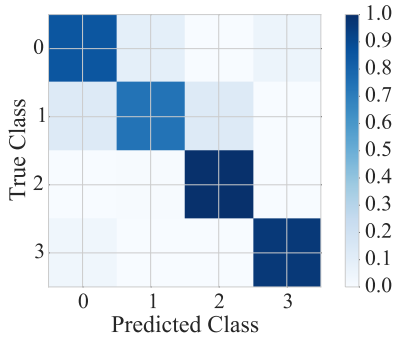
(l) *HS* posterior probabilities



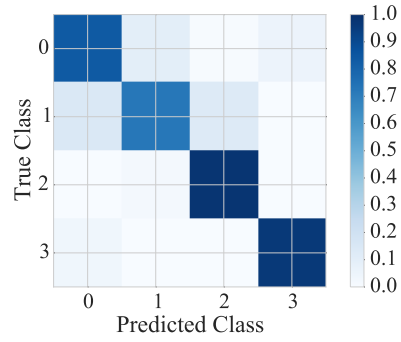
(m) *PC* normalized confusion matrix



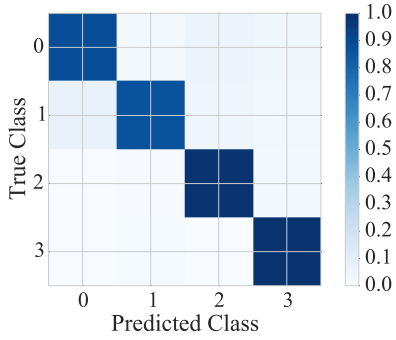
(n) *PC* posterior probabilities



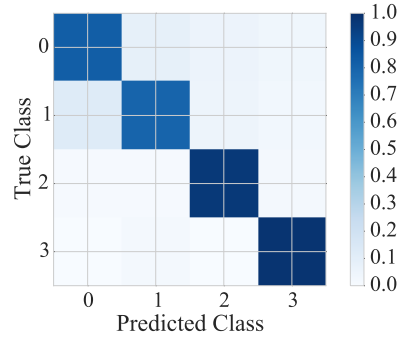
(o) *HC* normalized confusion matrix



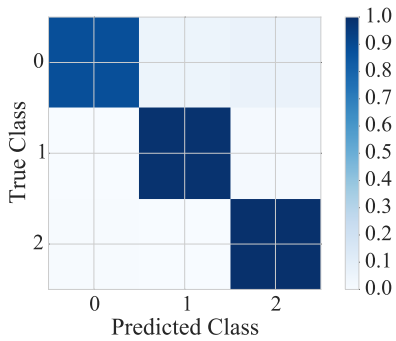
(p) *HC* posterior probabilities



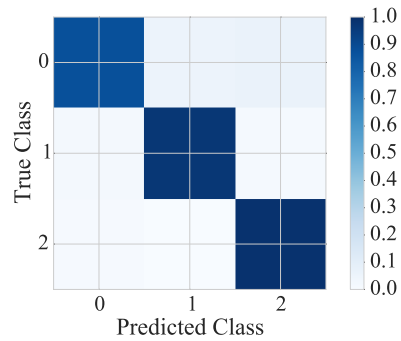
(q) *PT* normalized confusion matrix



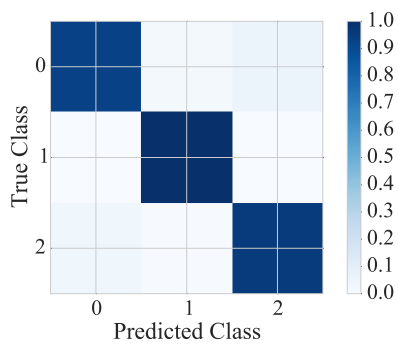
(r) *PT* posterior probabilities



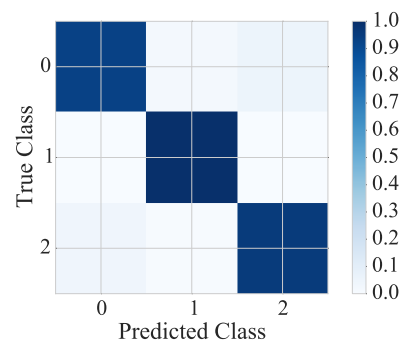
(s) *HT* normalized confusion matrix



(t) *HT* posterior probabilities

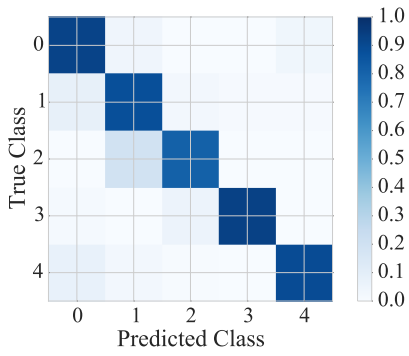


(u) *FT* normalized confusion matrix

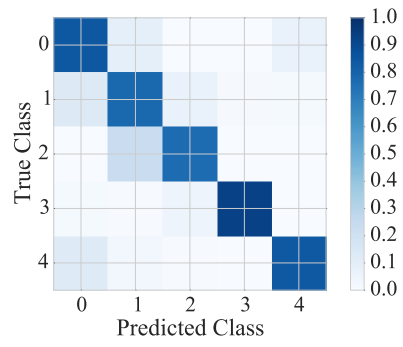


(v) *FT* posterior probabilities

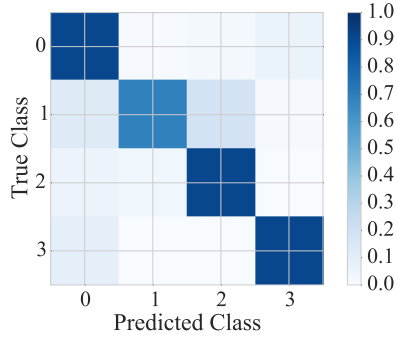
Figure 1: Normalized confusion matrix (left column) and posterior probabilities (right column) for expert-defined but automatically discretized features as input for different classification tasks, obtained by applying Naive Bayes classifier (hypothesis 2b).



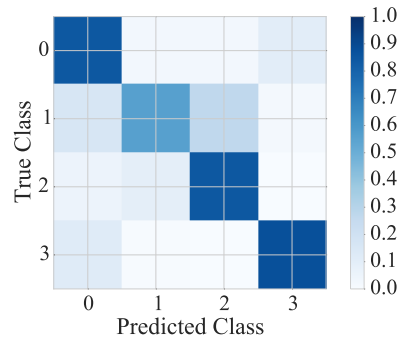
(a) *ASTS* normalized confusion matrix



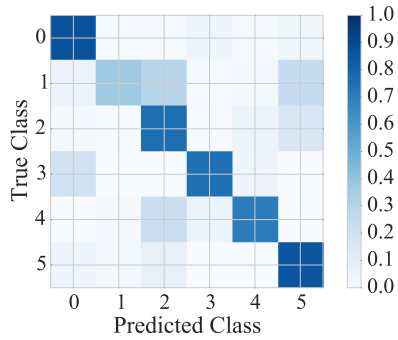
(b) *ASTS* posterior probabilities



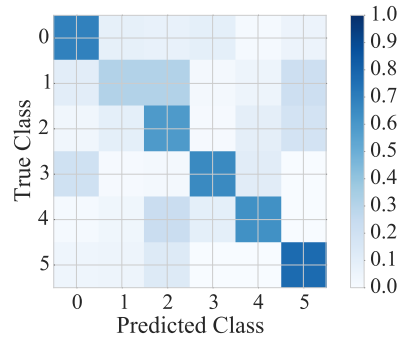
(c) *ASWS* normalized confusion matrix



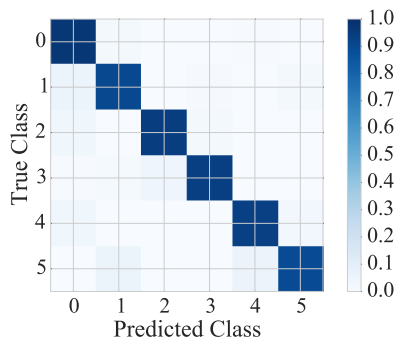
(d) *ASWS* posterior probabilities



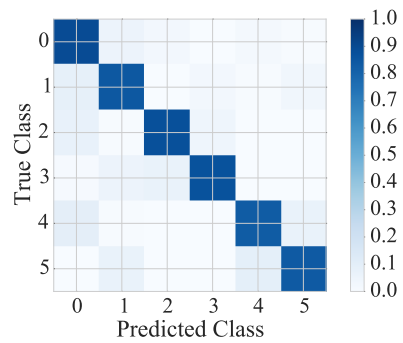
(e) *KSTS* normalized confusion matrix



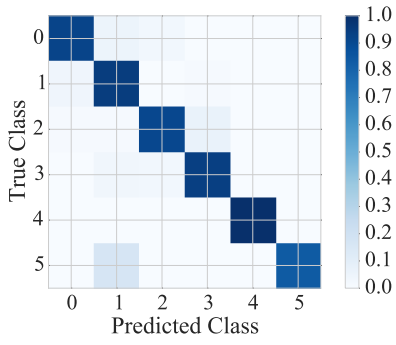
(f) *KSTS* posterior probabilities



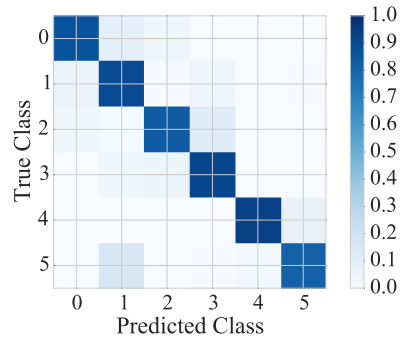
(g) *KSWs* normalized confusion matrix



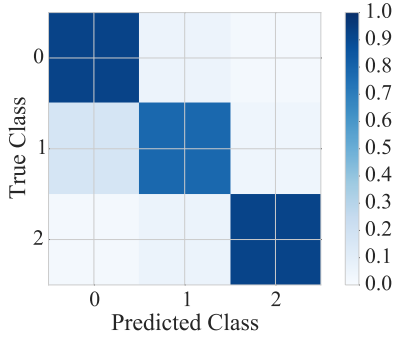
(h) *KSWs* posterior probabilities



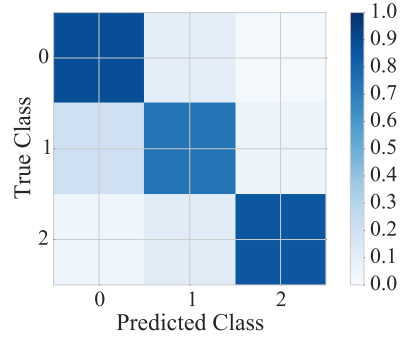
(i) *PS* normalized confusion matrix



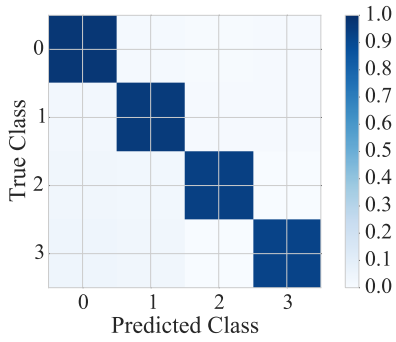
(j) *PS* posterior probabilities



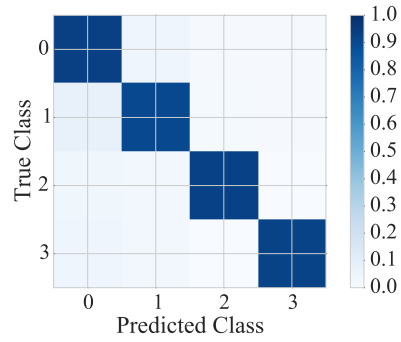
(k) *HS* normalized confusion matrix



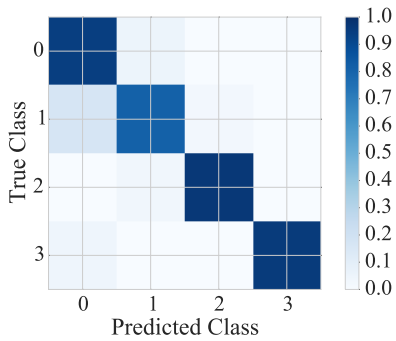
(l) *HS* posterior probabilities



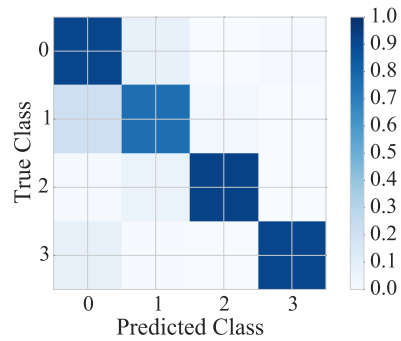
(m) *PC* normalized confusion matrix



(n) *PC* posterior probabilities



(o) *HC* normalized confusion matrix



(p) *HC* posterior probabilities

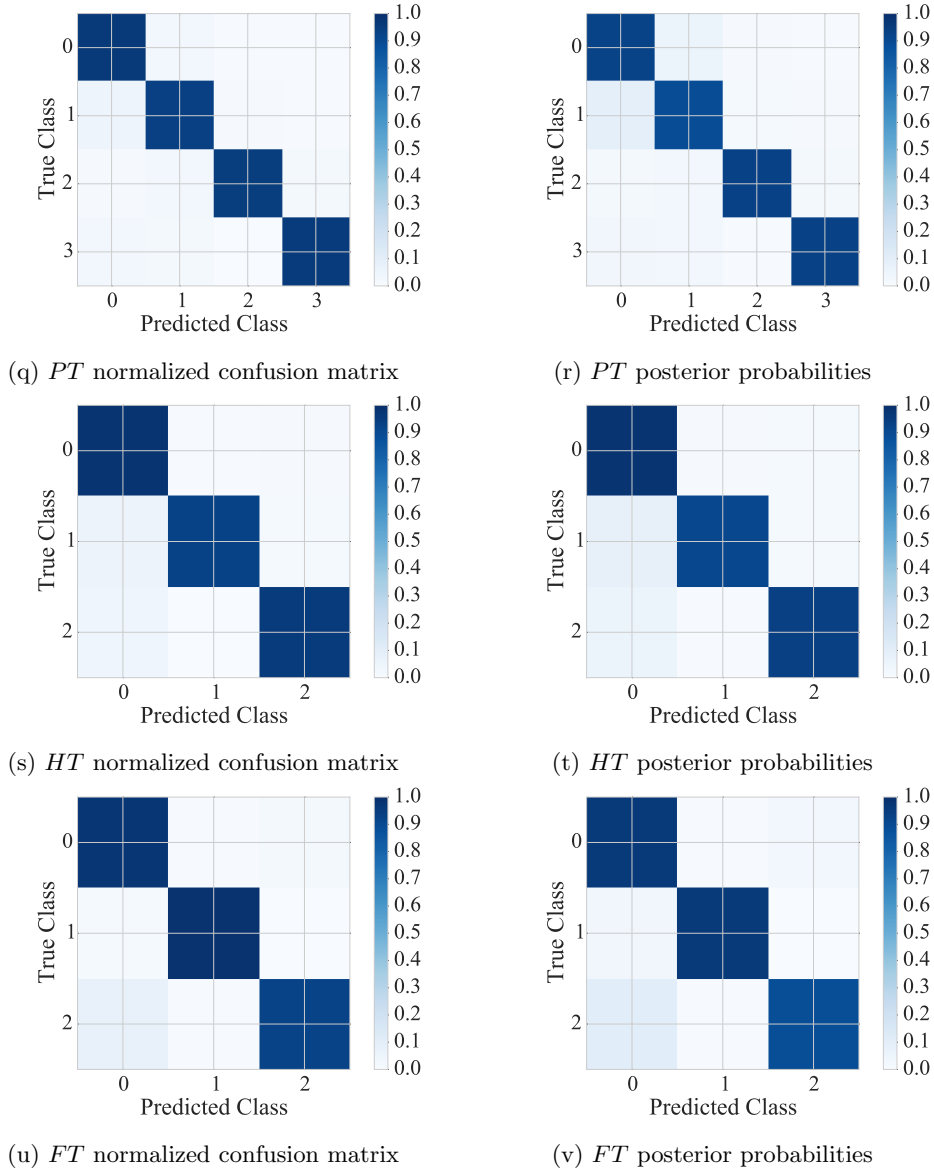


Figure 2: Normalized confusion matrix (left column) and posterior probabilities (right column) for expert-defined continuous features as input for different classification tasks, obtained by applying Logistic Regression classifier (hypothesis 2b).