

QRS Features:

→ Worked with two set of features:

- a. QRS Integral with 10 Spacing resulting in 120 dimension from 1200 dimension
- b. QRS Integral with 20 Spacing resulting in 60 dimension from 1200 dimension

→ Data Used: 16848 (combining both train + val)

CASE I:

→ Holdout Validation: 18% held out(18% makes what it is in val set)

Patient Label:

Method	Accuracy (10 Spacing)	Accuracy (20 Spacing)
Linear SVM	86.8%	84.0%
Fine Gaussian SVM	96.1%	97.7%
Linear Discriminant	25.7%	84.0%
Complex Tree	45.0%	38.9%

Segment Label:

Method	Accuracy (10 Spacing)	Accuracy (20 Spacing)
Linear SVM	71.7%	65.0%
Fine Gaussian SVM	96.0%	97.0%
Linear Discriminant	40%	37.8%
Complex Tree	58.7%	60.6%

CASE II:

Cross-validation: 5 folds

Patient Label:

Method	Accuracy (10 Spacing)	Accuracy (20 Spacing)
Linear SVM	87.8%	83.7%
Fine Gaussian SVM	96.3%	97.0%
Linear Discriminant	26.4%	23.5%
Complex Tree	44.8%	39.0%

Segment Label:

Method	Accuracy (10 Spacing)	Accuracy (20 Spacing)
Linear SVM	69.8%	65.8%
Fine Gaussian SVM	96.3%	96.1%
Linear Discriminant	39.7%	39.1%
Complex Tree	60.9%	58.9%

Note:

- 1. Not tested against test set.*
- 2. Used “classification learner” app of Matlab to do the experiments.*