Sahoo 2017

1. **Preprocessing: Filtering & Segmentation**

* mathematical morphology [9], empirical mode decomposition [10], adaptive filtering [11], band pass filter [12], and weighted averaging filter [13], principal component analysis [14] and independent component analysis [15]

1. **Feature Extraction**

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- multi resolution wavelet transform

1. **Classification & Classifier**

-neural network (NN) MLP-BP and support vector machines (SVM)

1. **Accuracy**

* average accuracy of 96.67% and 98.39% in NN and SVM respectively

1. **Two Leads or One Lead ? In case of two leads .. how classification of two leads is merged to have final decision ?**
2. **Classes**

* **four types of ECG beats**
* **normal (N), left bundle branch block (LBBB), right bundle branch block (RBBB), Paced beats (P)**

1. **Datasets :**

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