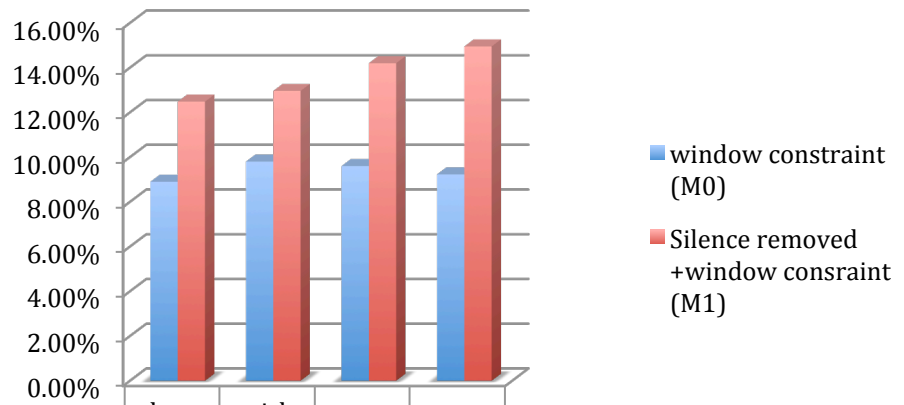
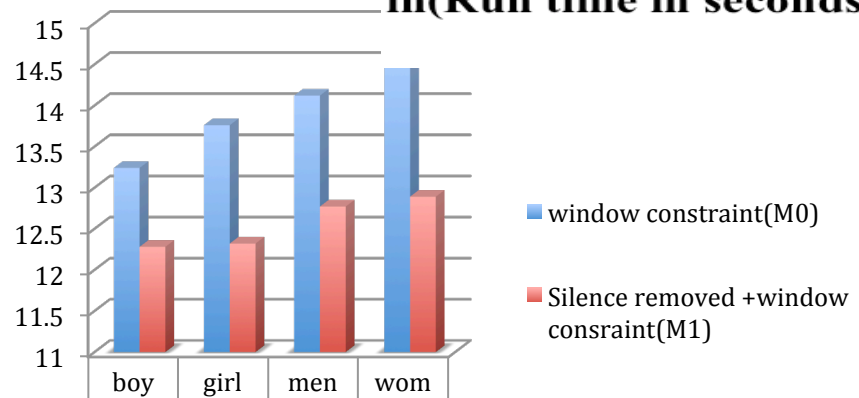


## Accuracy



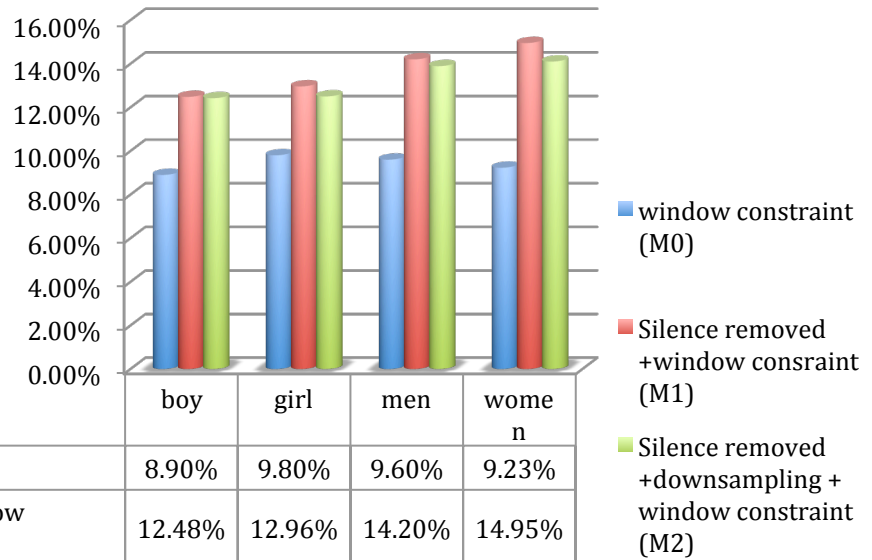
	boy	girl	men	women
window constraint(M0)	8.90%	9.80%	9.60%	9.23%
Silence removed +window constraint(M1)	12.48%	12.96%	14.20%	14.95%

## In(Run time in seconds)



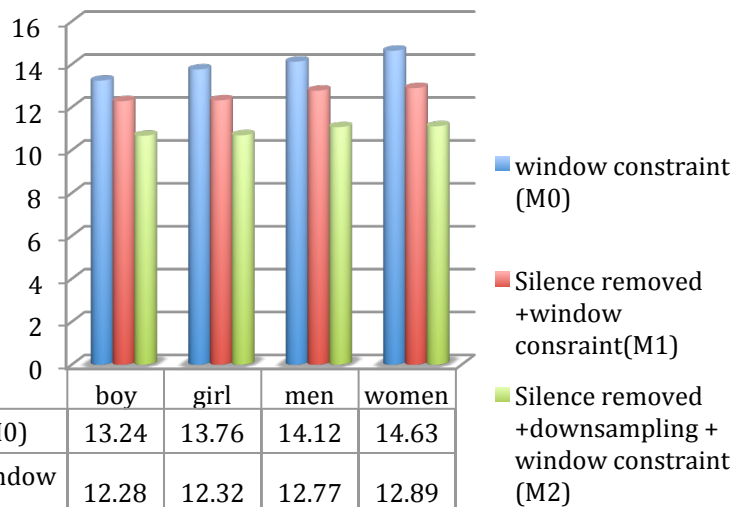
	boy	girl	men	women
window constraint(M0)	13.24	13.76	14.12	14.63
Silence removed +window constraint(M1)	12.28	12.32	12.77	12.89

## Accuracy

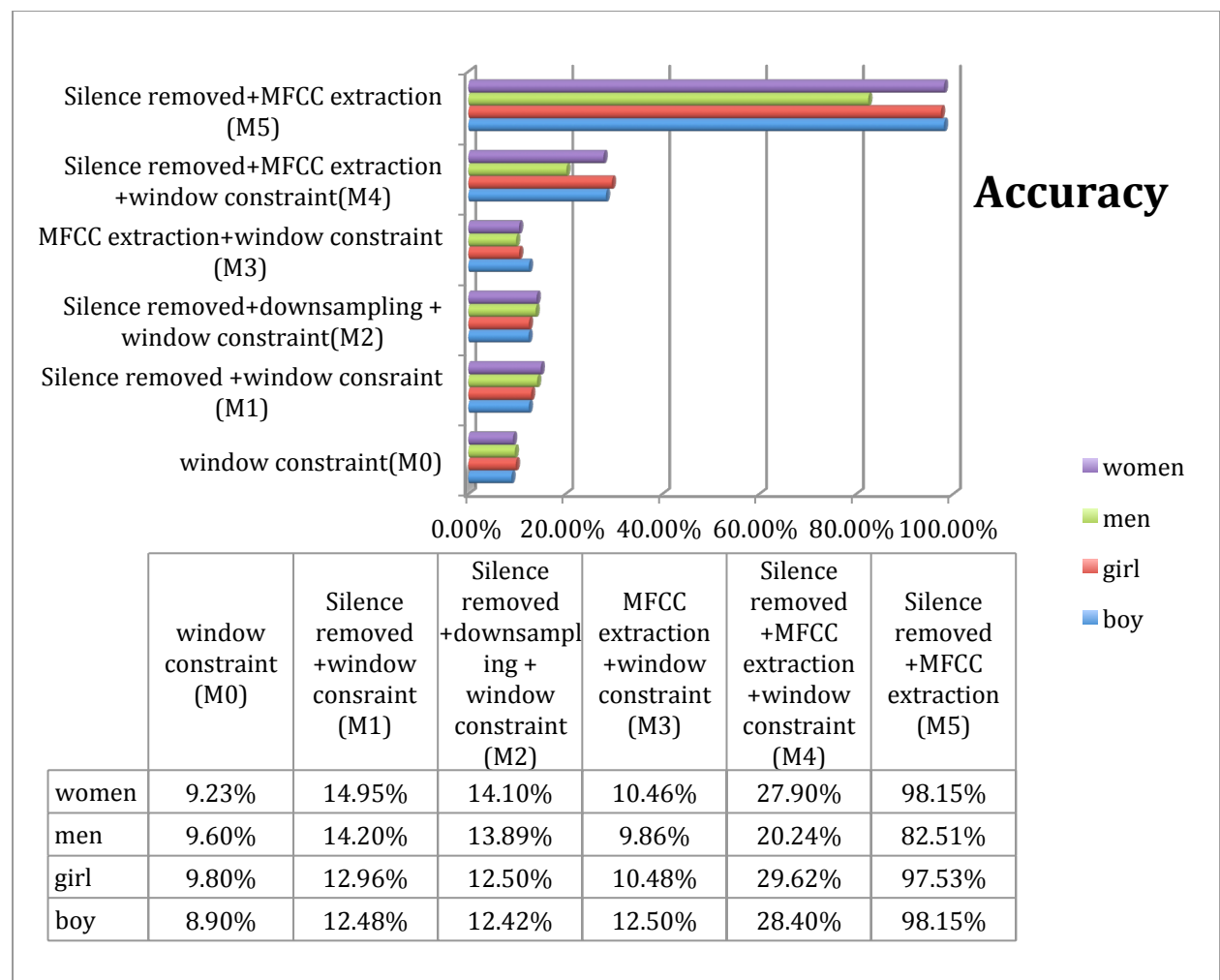


window constraint(M0)	8.90%	9.80%	9.60%	wome n9.23%
Silence removed +window constraint(M1)	12.48%	12.96%	14.20%	14.95%
Silence removed+downsampling + window constraint(M2)	12.42%	12.50%	13.89%	14.10%

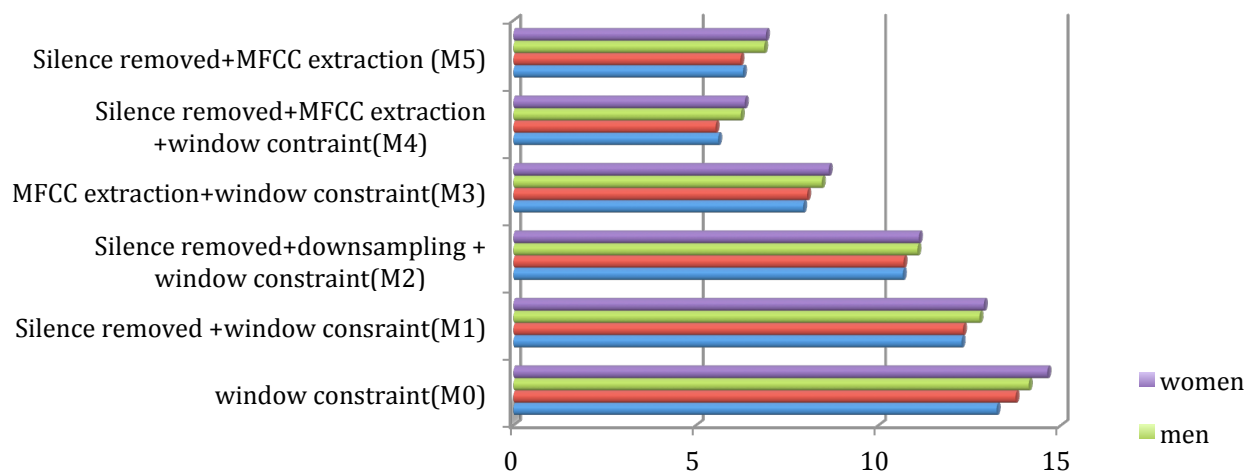
## ln(Run time in seconds)



window constraint(M0)	13.24	13.76	14.12	women14.63
Silence removed +window constraint(M1)	12.28	12.32	12.77	12.89
Silence removed +downsampling + window constraint(M2)	10.67	10.69	11.07	11.11

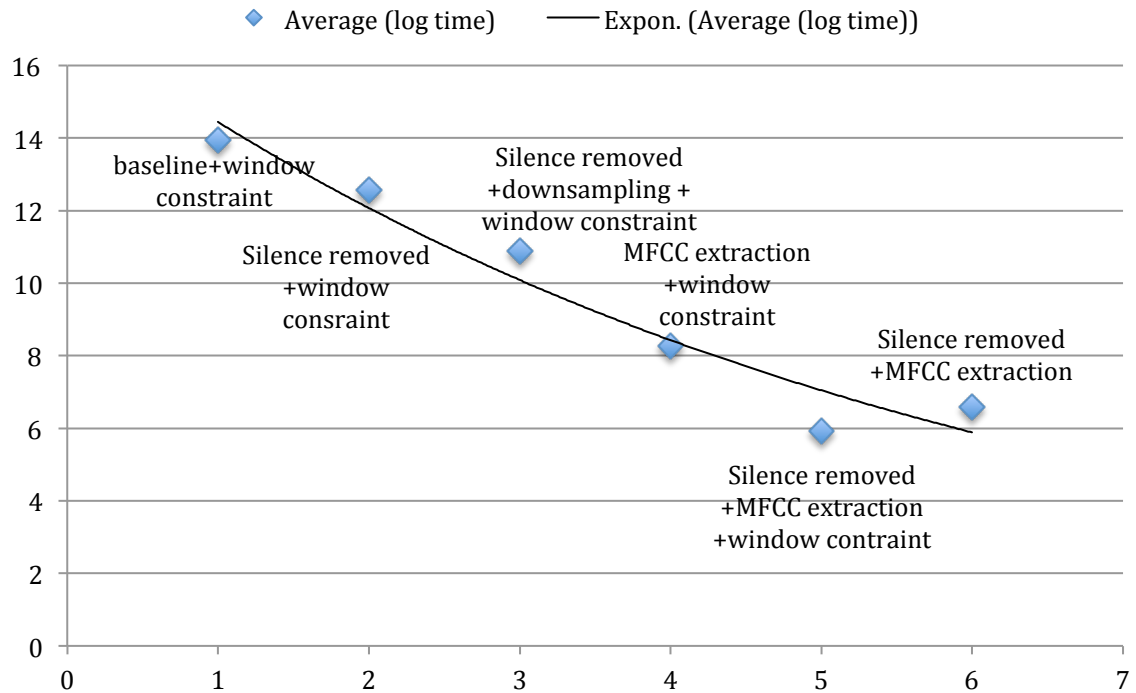


## ln(Run time in seconds)

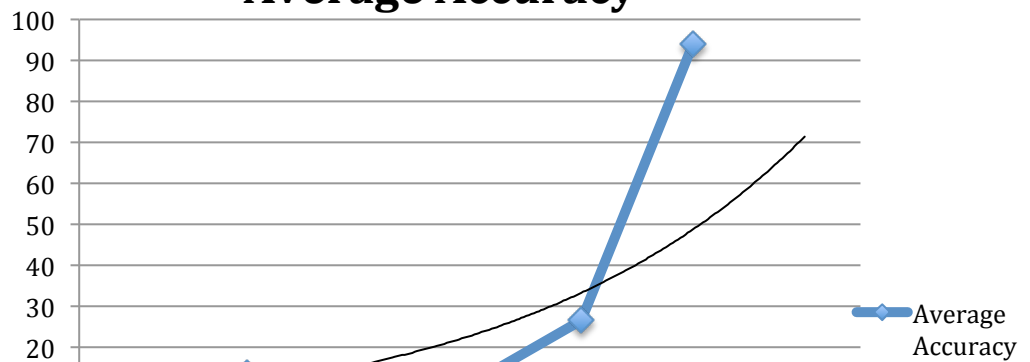


	window constraint (M0)	Silence removed +window consraint (M1)	Silence removed +downsampl ing + window constraint (M2)	MFCC extraction +window constraint (M3)	Silence removed +MFCC extraction +window constraint (M4)	Silence removed +MFCC extraction (M5)
women	14.63	12.89	11.11	8.64	6.34	6.92
men	14.12	12.77	11.07	8.45	6.23	6.87
girl	13.76	12.32	10.69	8.05	5.54	6.22
boy	13.24	12.28	10.67	7.94	5.61	6.29

## Average (ln (time))

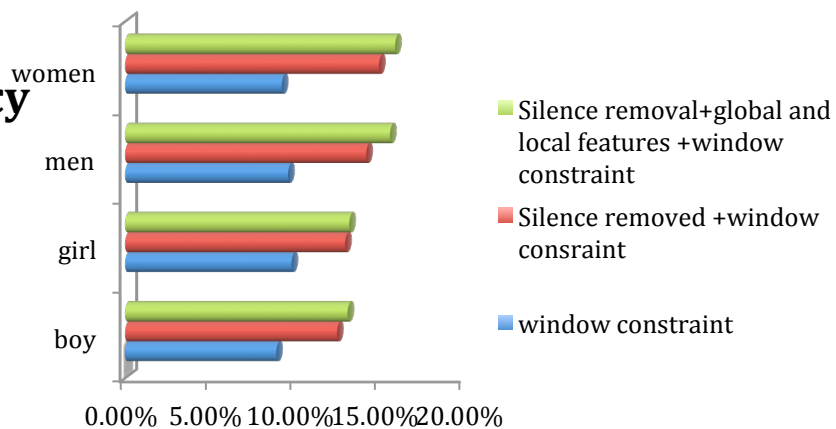


## Average Accuracy



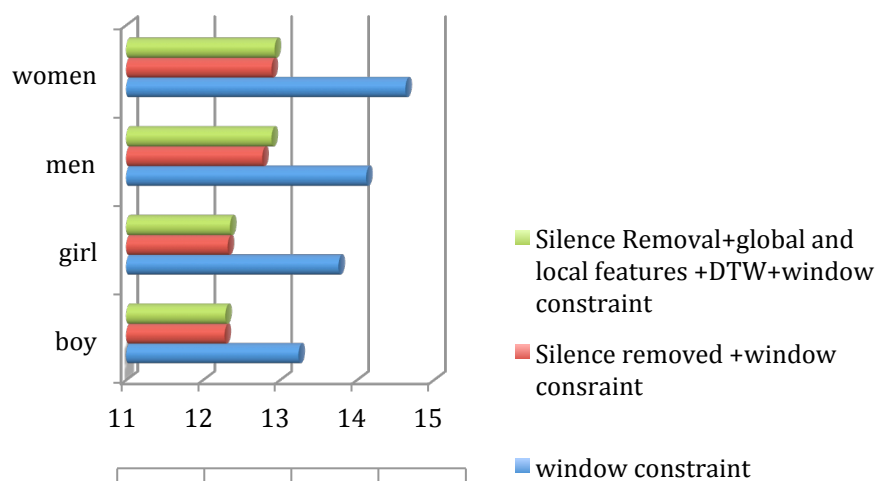
	baseline+window constraint	Silence removed +window constraint	Silence removed +downsampling + window constraint	MFCC extraction +window constraint	Silence removed +MFCC extraction +window constraint	Silence removed +MFCC extraction	
Average Accuracy	9.38	13.64	12.54	10.83	26.54	94.08	

## Accuracy



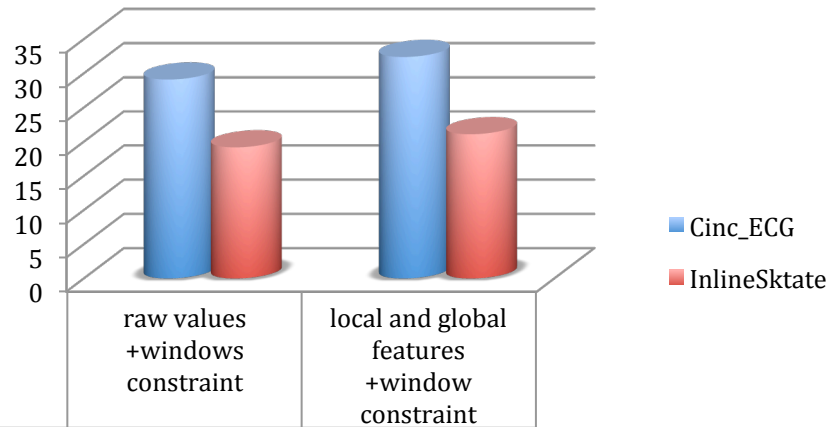
	boy	girl	men	women
Silence removal+global and local features +window constraint	13.10%	13.20%	15.60%	15.90%
Silence removed +window constraint	12.48%	12.96%	14.20%	14.95%
window constraint	8.90%	9.80%	9.60%	9.23%

## ln(time)



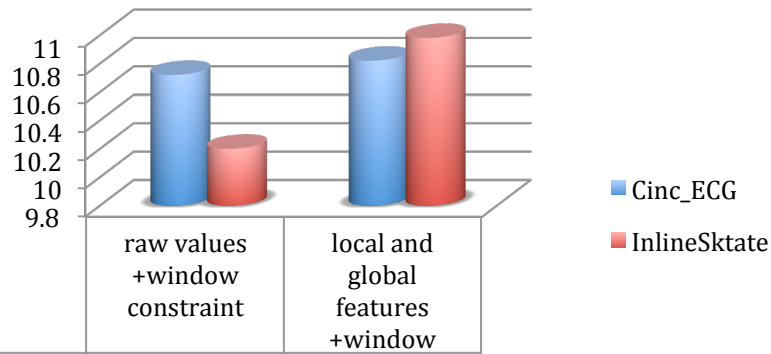
	boy	girl	men	women
Silence Removal+global and local features +DTW+window constraint	12.29	12.35	12.89	12.93
Silence removed +window constraint	12.28	12.32	12.77	12.89
window constraint	13.24	13.76	14.12	14.63

## Accuracy(%)



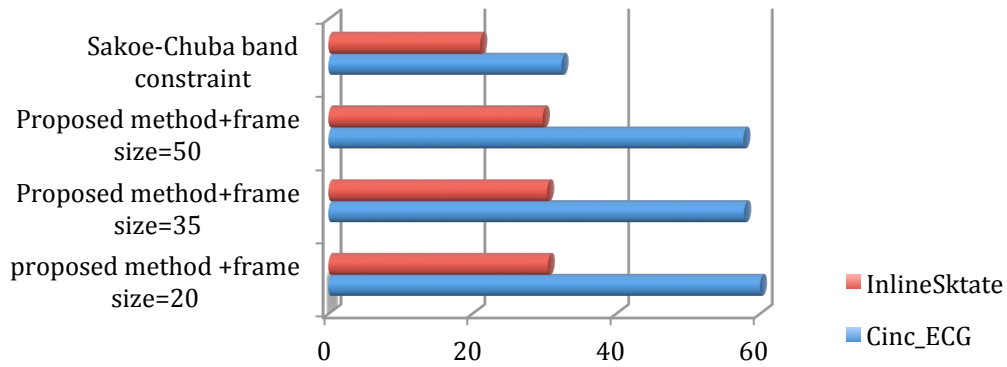
Cinc_ECG	29.1	32.4
InlineSkate	19.18	21.1

## ln(time)



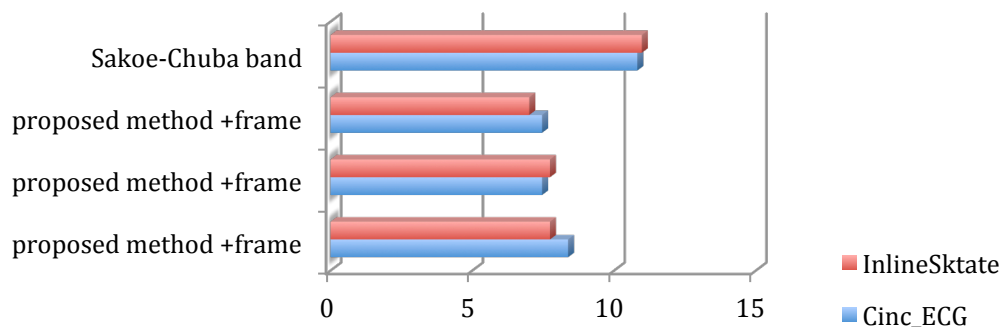
Cinc_ECG	10.72	10.82
InlineSkate	10.2	10.98

## Accuracy



	proposed method +frame size=20	Proposed method +frame size=35	Proposed method +frame size=50	Sakoe-Chuba band constraint
InlineSkate	30.5	30.4	29.8	21.1
Cinc_ECG	60	57.8	57.7	32.4

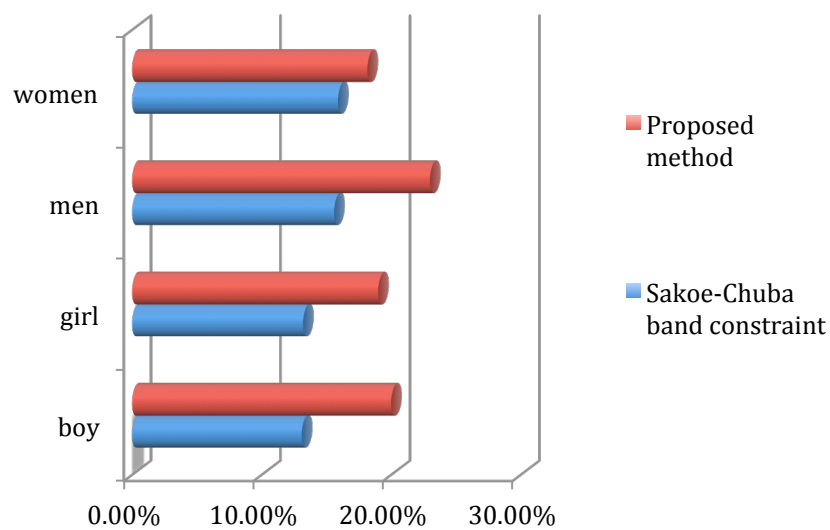
## ln(time)



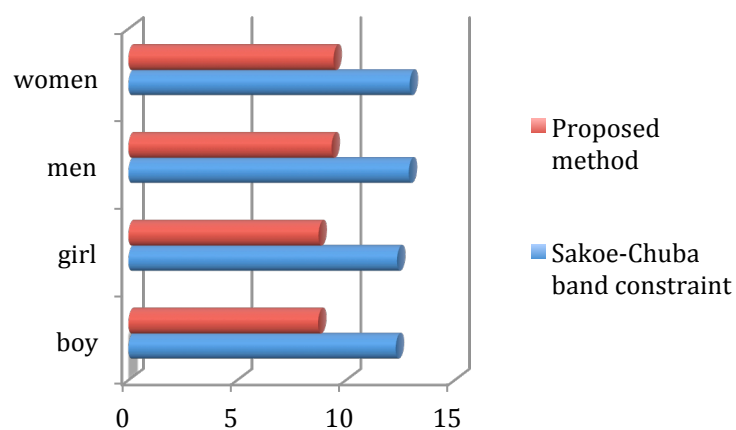
	proposed method +frame size=20	proposed method +frame size=35	proposed method +frame size=50	Sakoe-Chuba band constraint
InlineSkate	7.74	7.74	7.01	10.98
Cinc_ECG	8.377	7.46	7.46	10.82



## Accuracy

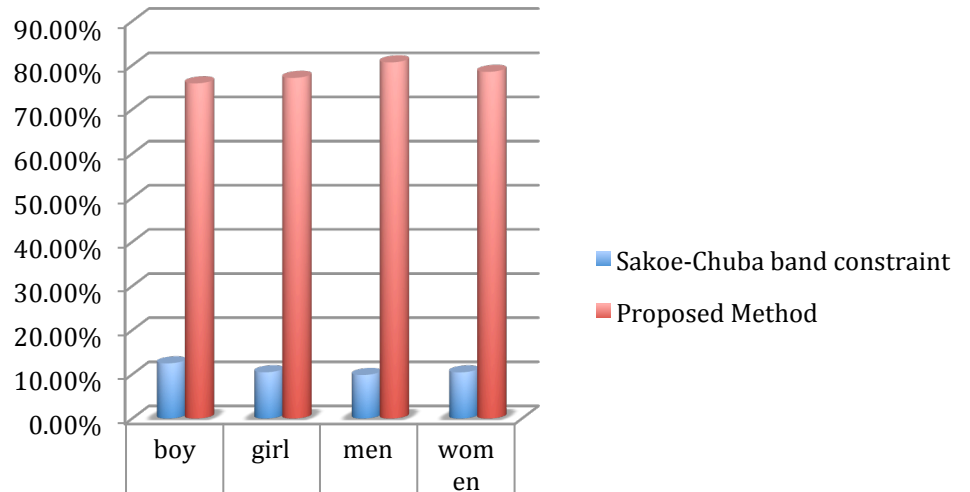


	boy	girl	men	women
Proposed method	20%	19.00%	23%	18.17%
Sakoe-Chuba band constraint	13.10%	13.20%	15.60%	15.90%



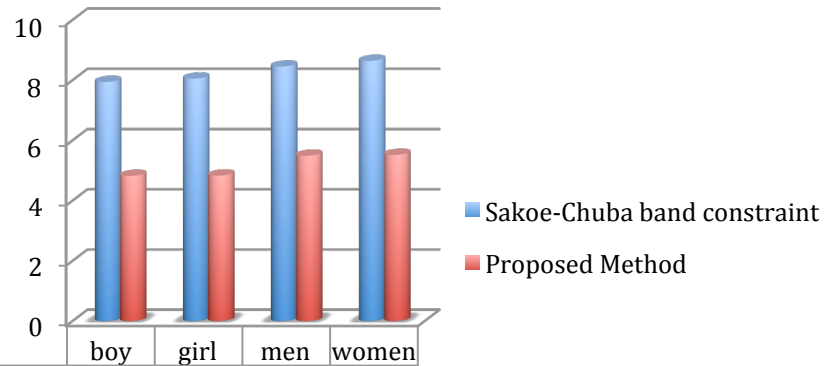
	boy	girl	men	women
Proposed method	8.72	8.74	9.34	9.43
Sakoe-Chuba band constraint	12.29	12.35	12.89	12.93

## Accuracy



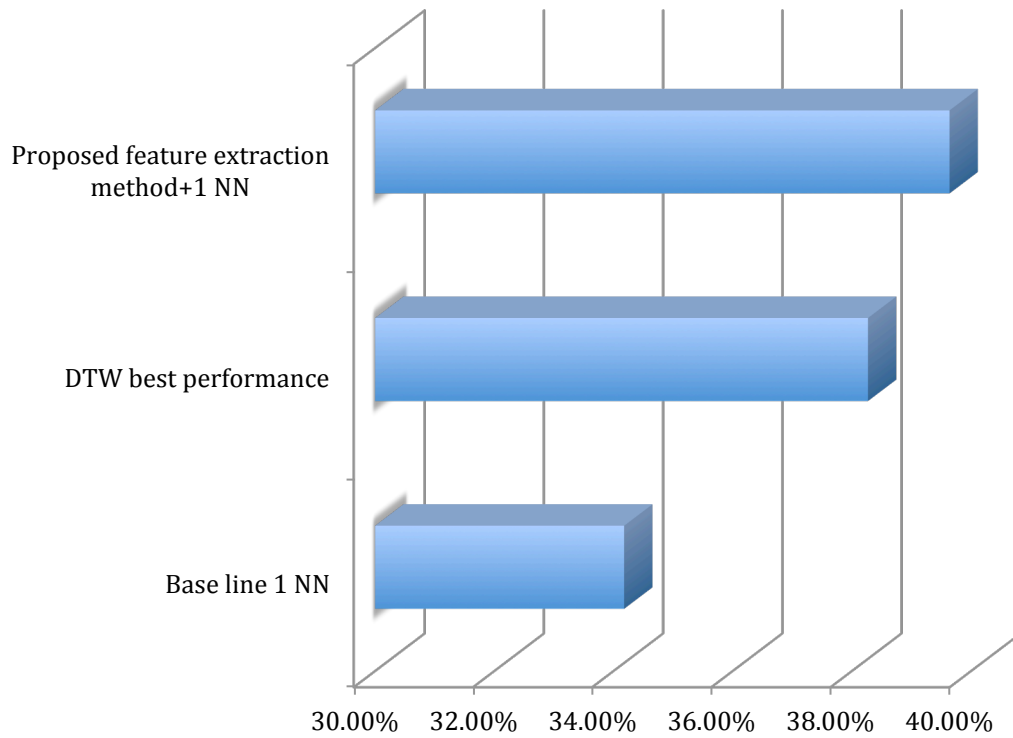
Sakoe-Chuba band constraint	12.50%	10.48%	9.86%	10.46%
Proposed Method	75.92%	77.16%	80.67%	78.53%

## ln(time)

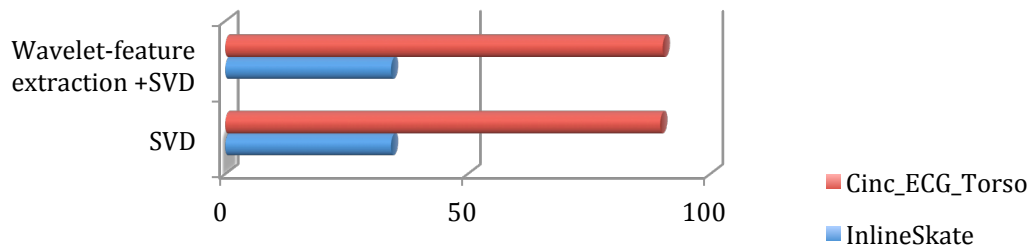


Sakoe-Chuba band constraint	7.94	8.05	8.45	8.64
Proposed Method	4.82	4.83	5.49	5.52

## InlineSkate

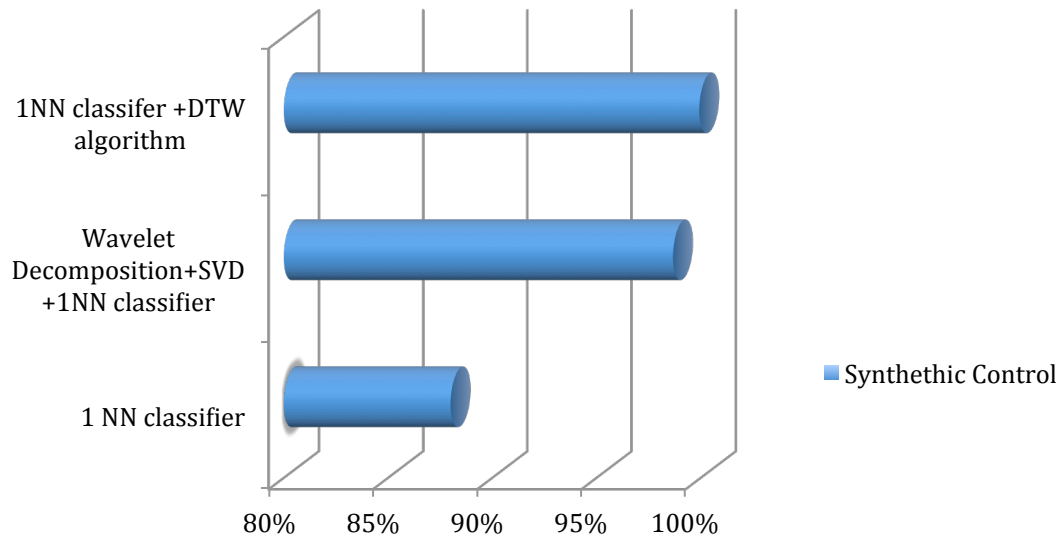


	Base line 1 NN	DTW best performance	Proposed feature extraction method+1 NN
InlineSkate	34.18%	38.27%	39.64%



	SVD	Wavelet-feature extraction +SVD
Cinc_ECG_Torso	89.71	90.22
InlineSkate	34.18	34.18

## Synthetic Control



	1 NN classifier	Wavelet Decompositio n+SVD+1NN classifier	1NN classifer +DTW algorithm
Synthetic Control	88%	98.67%	99.93%