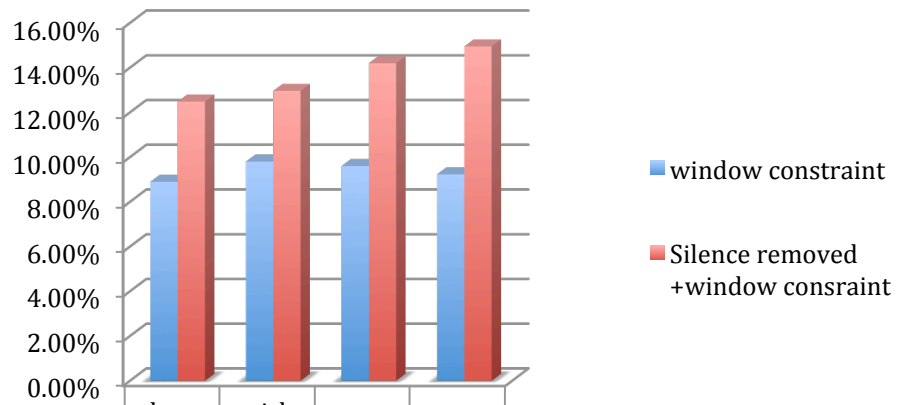
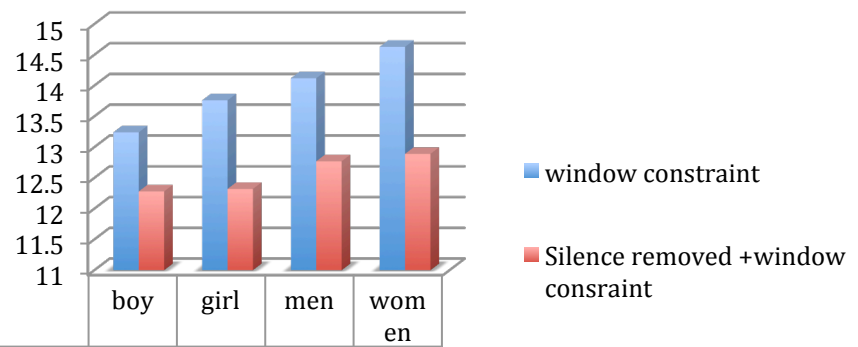


Accuracy



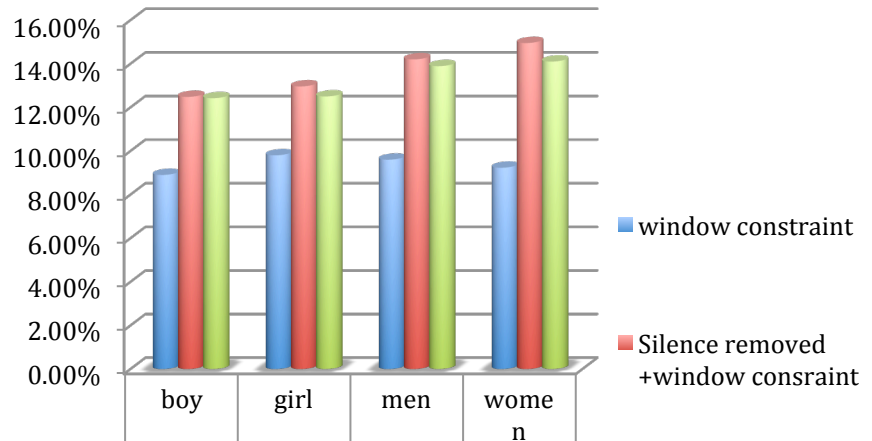
	boy	girl	men	women
window constraint	8.90%	9.80%	9.60%	9.23%
Silence removed +window constraint	12.48%	12.96%	14.20%	14.95%

ln(time)



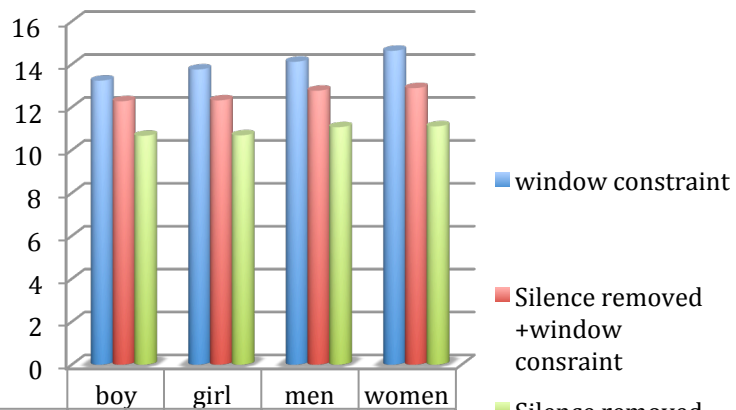
	boy	girl	men	women
window constraint	13.24	13.76	14.12	14.63
Silence removed +window constraint	12.28	12.32	12.77	12.89

Accuracy

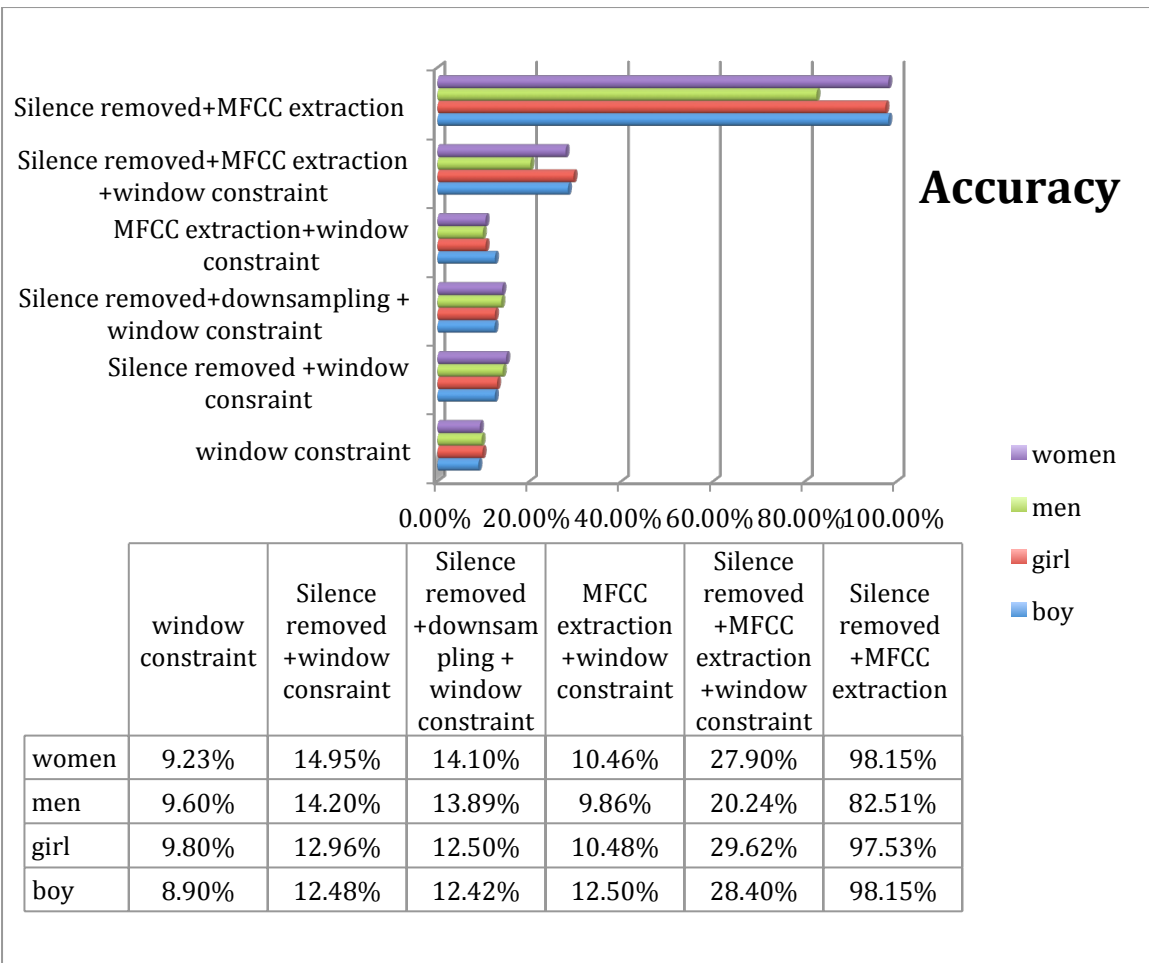


window constraint	8.90%	9.80%	9.60%	9.23%
Silence removed +window consraint	12.48%	12.96%	14.20%	14.95%
Silence removed+downsampling + window constraint	12.42%	12.50%	13.89%	14.10%

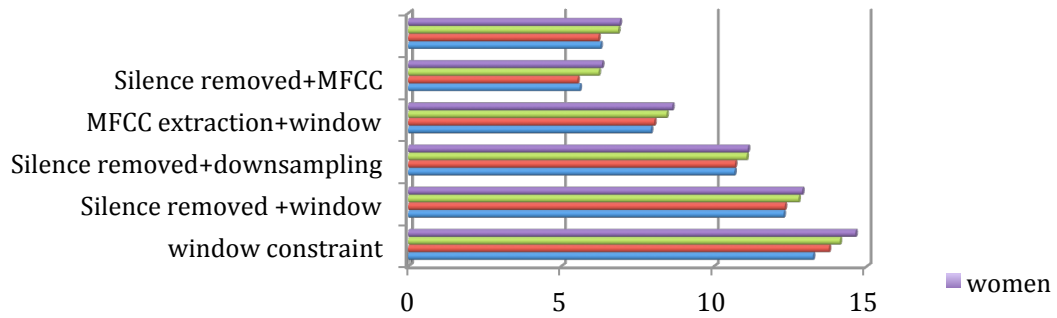
ln(time)



window constraint	13.24	13.76	14.12	14.63
Silence removed +window consraint	12.28	12.32	12.77	12.89
Silence removed +downsampling + window constraint	10.67	10.69	11.07	11.11

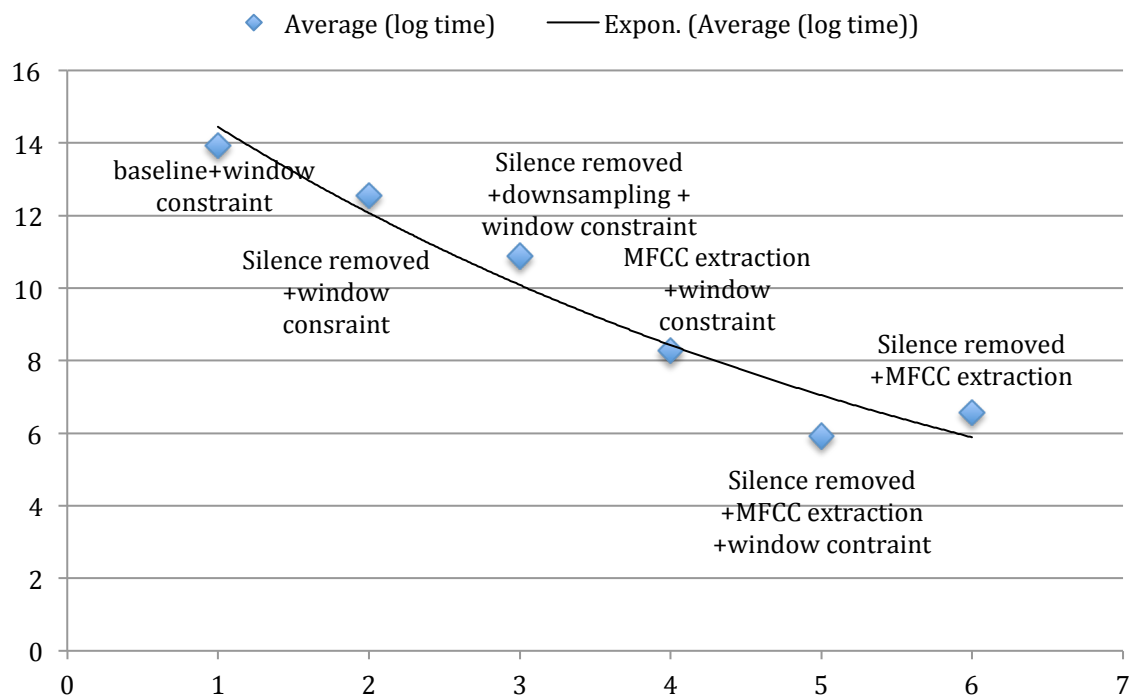


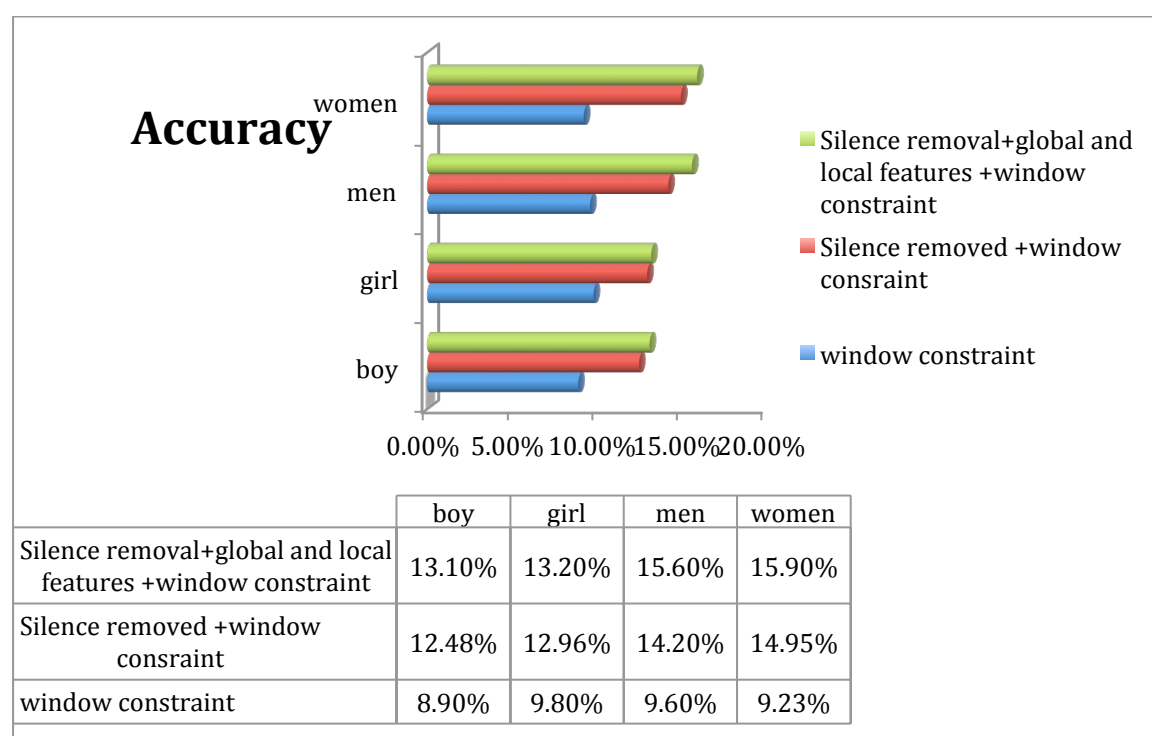
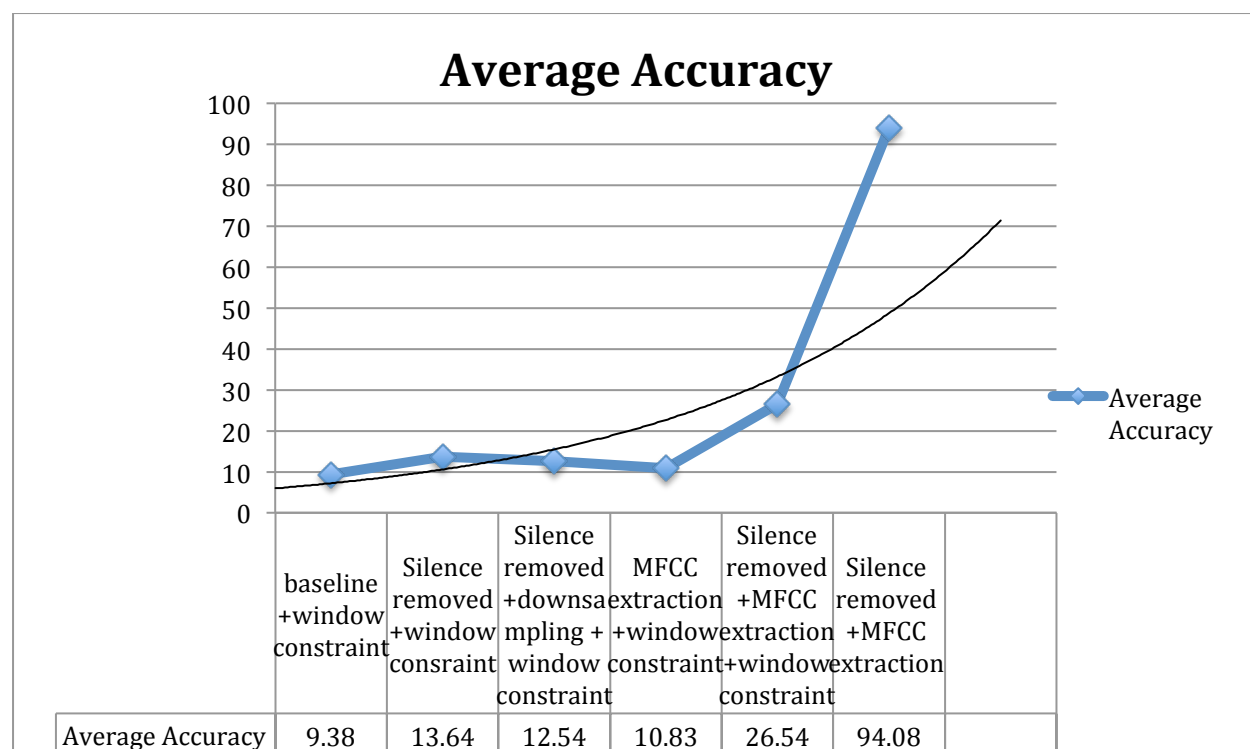
ln(time)



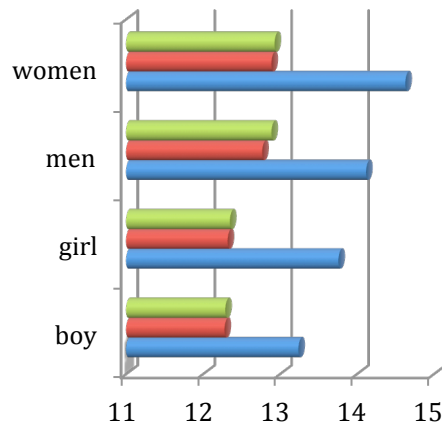
	window constraint	Silence removed +window consraint	Silence removed +downsa mpling + window constraint	MFCC extraction +window constraint	Silence removed +MFCC extraction +window constraint	Silence removed +MFCC extraction
women	14.63	12.89	11.11	8.64	6.34	6.92
men	14.12	12.77	11.07	8.45	6.23	6.87
girl	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))





ln(time)



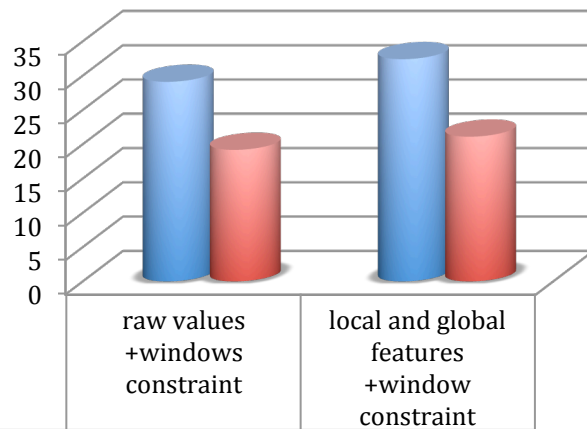
■ Silence Removal+global and local features +DTW+window constraint

■ Silence removed +window constraint

■ window constraint

	boy	girl	men	wome n
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(%)

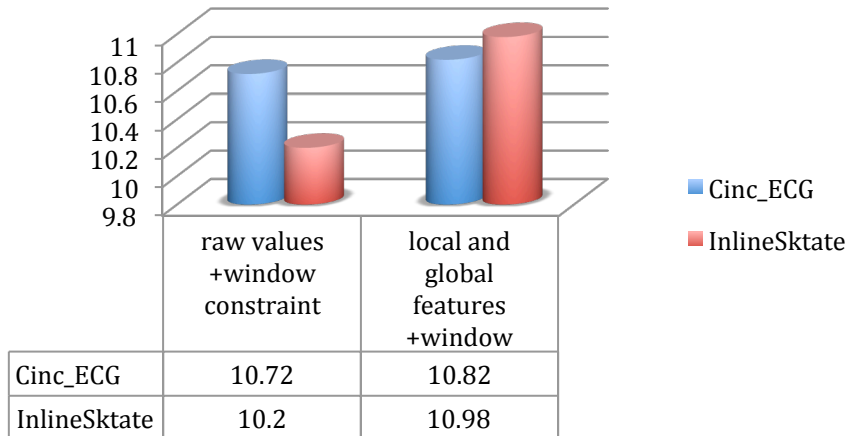


■ Cinc_ECG

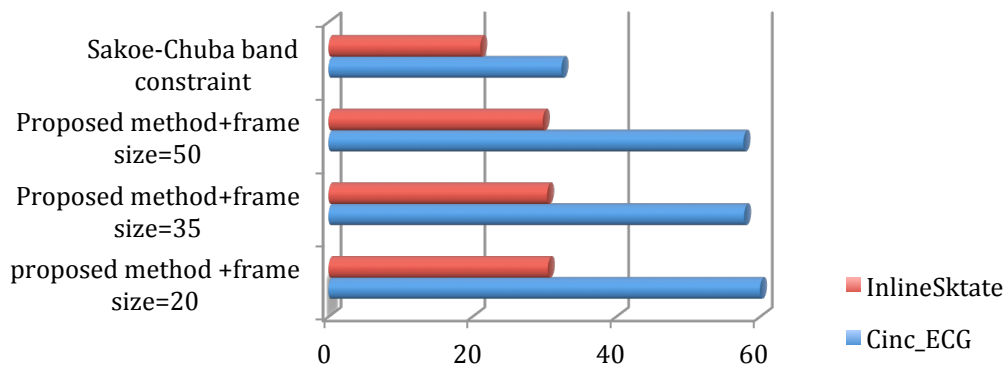
■ InlineSkate

	raw values +windows constraint	local and global features +window constraint
Cinc_ECG	29.1	32.4
InlineSkate	19.18	21.1

ln(time)

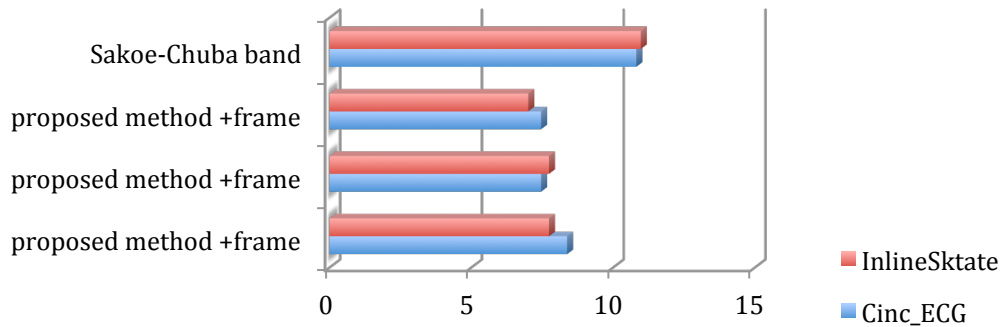


Accuracy



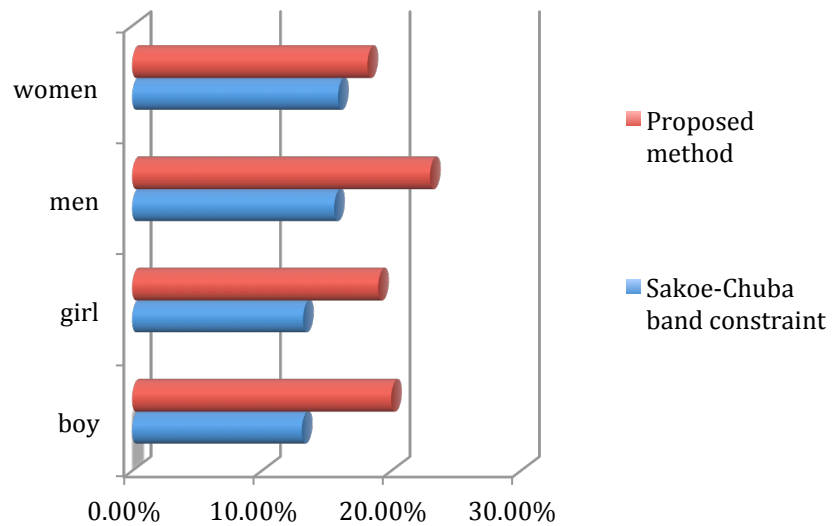
	proposed method +frame size=20	Proposed method +frame size=35	Proposed method +frame size=50	Sakoe-Chuba band constraint
InlineSkate	30.5	30.4	29.8	21.1
Cinc_ECG	60	57.8	57.7	32.4

ln(time)

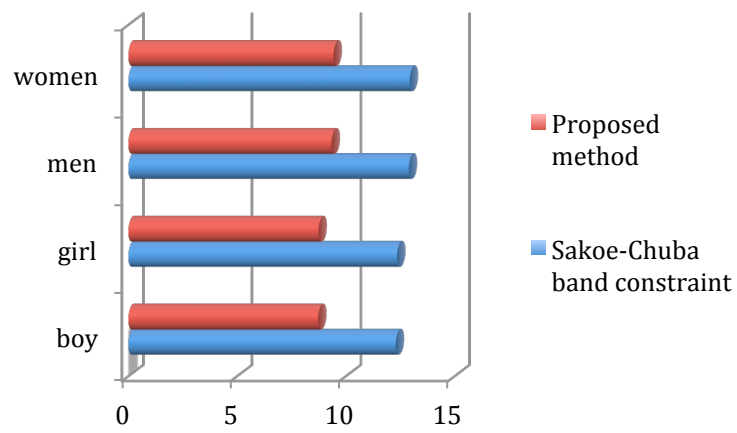


	proposed method +frame size=20	proposed method +frame size=35	proposed method +frame size=50	Sakoe-Chuba band constraint
InlineSkate	7.74	7.74	7.01	10.98
Cinc_ECG	8.377	7.46	7.46	10.82

Accuracy

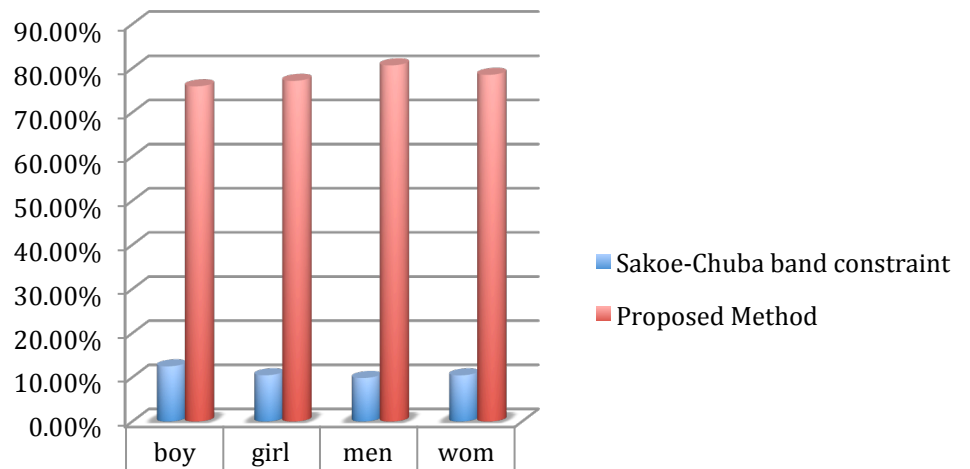


	boy	girl	men	women
Proposed method	20%	19.00%	23%	18.17%
Sakoe-Chuba band constraint	13.10%	13.20%	15.60%	15.90%



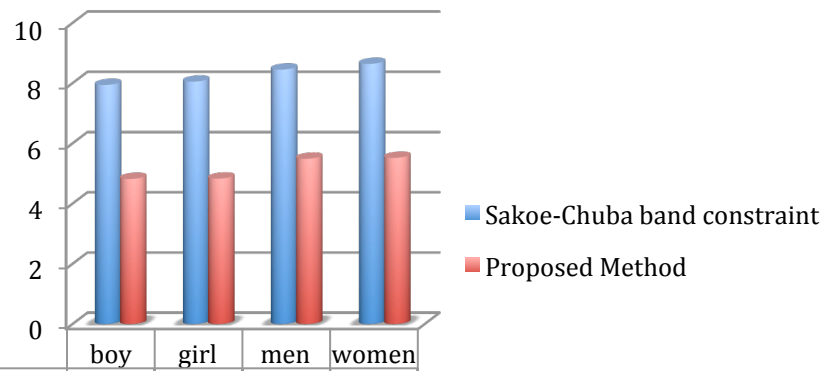
	boy	girl	men	women
Proposed method	8.72	8.74	9.34	9.43
Sakoe-Chuba band constraint	12.29	12.35	12.89	12.93

Accuracy



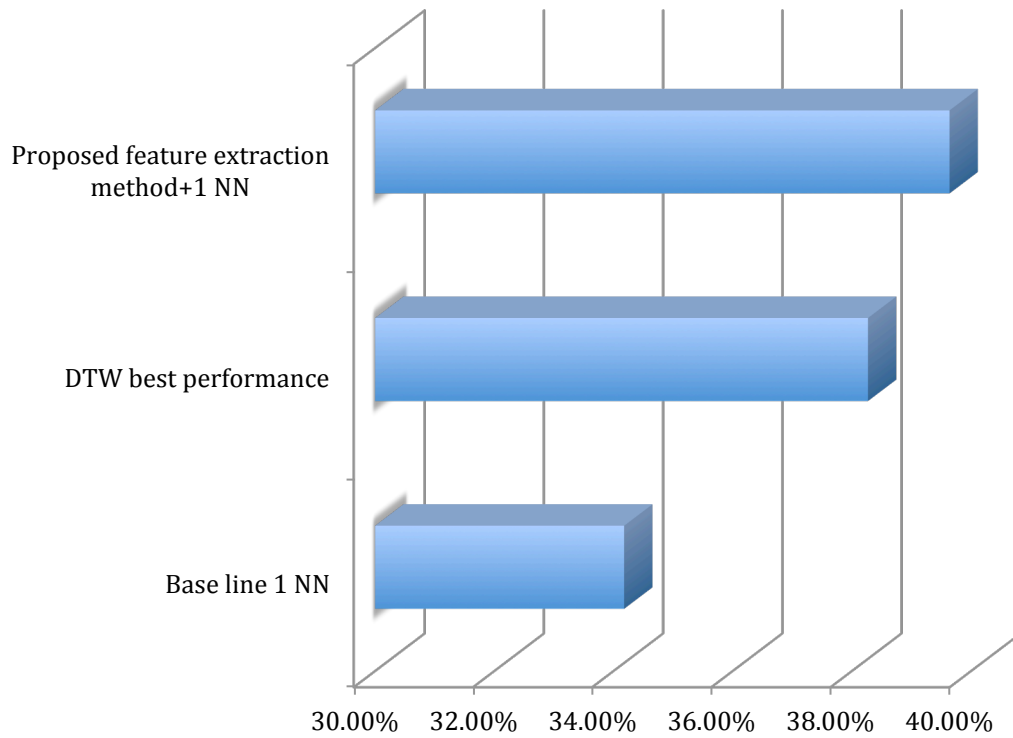
	boy	girl	men	women
Sakoe-Chuba band constraint	12.50%	10.48%	9.86%	10.46%
Proposed Method	75.92%	77.16%	80.67%	78.53%

ln(time)

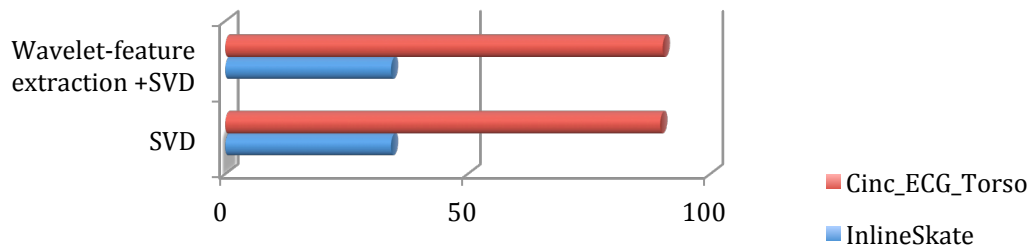


Sakoe-Chuba band constraint	7.94	8.05	8.45	8.64
Proposed Method	4.82	4.83	5.49	5.52

InlineSkate

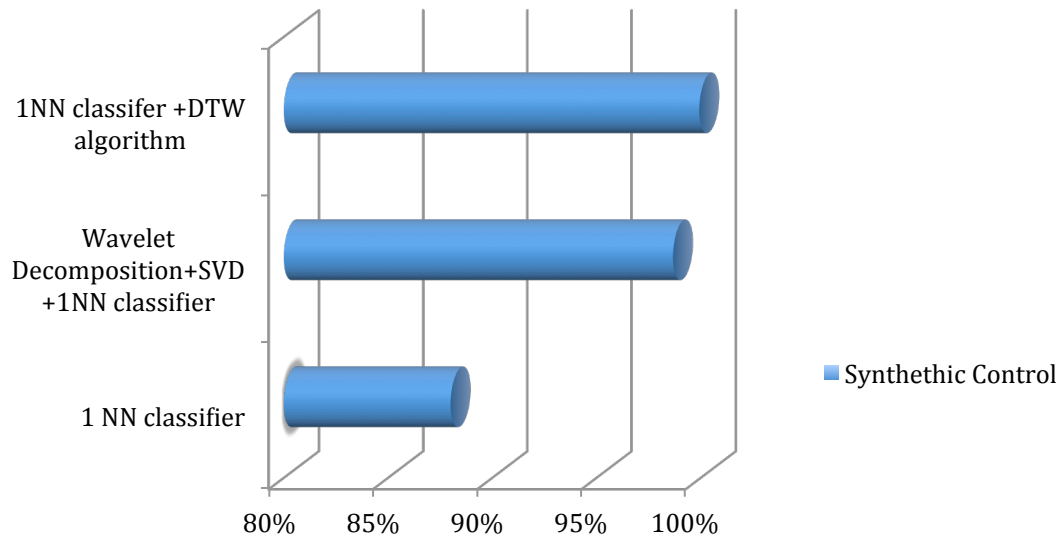


	Base line 1 NN	DTW best performance	Proposed feature extraction method+1 NN
InlineSkate	34.18%	38.27%	39.64%



	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%