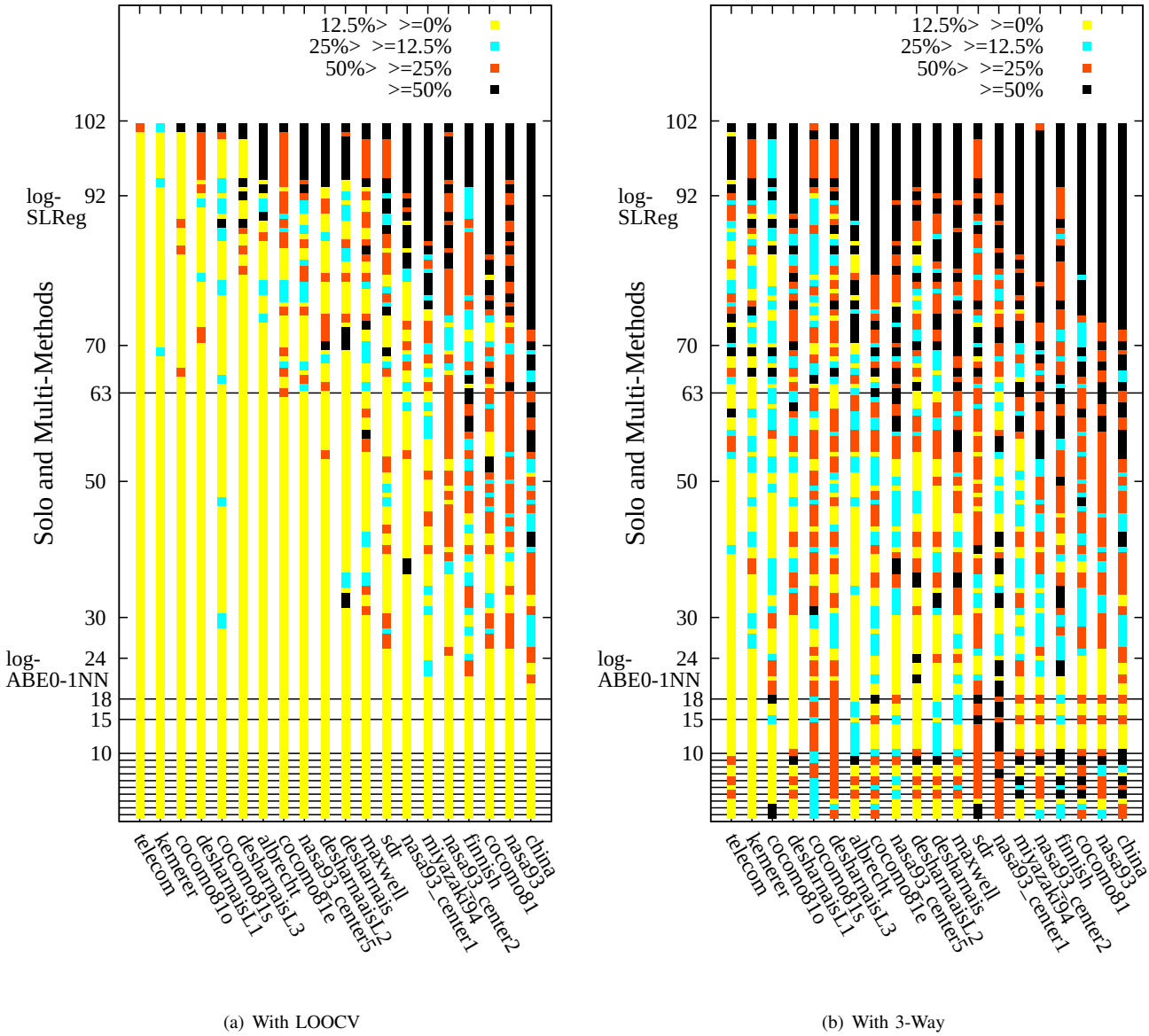
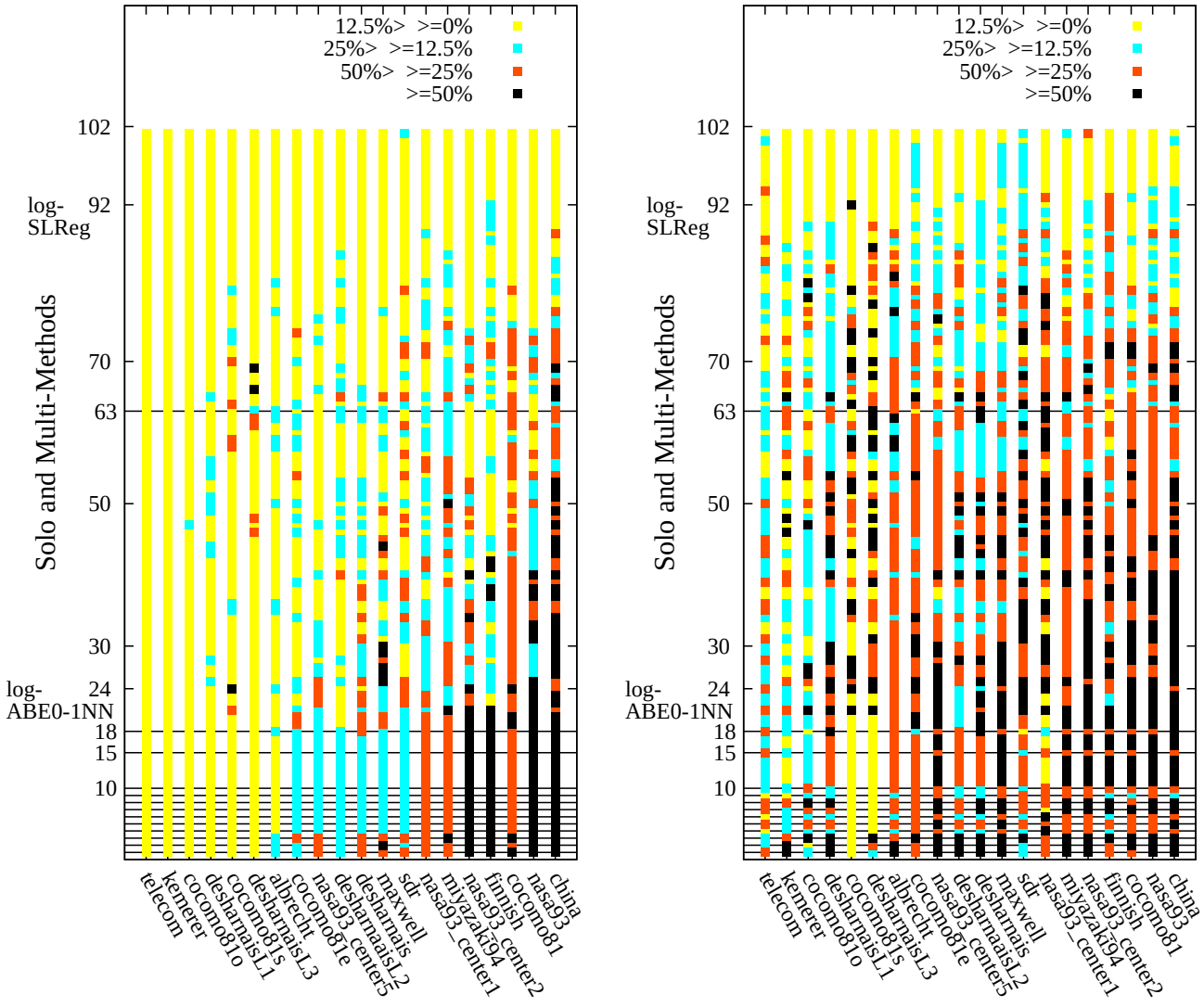


(a) With LOOCV

(b) With 3-Way

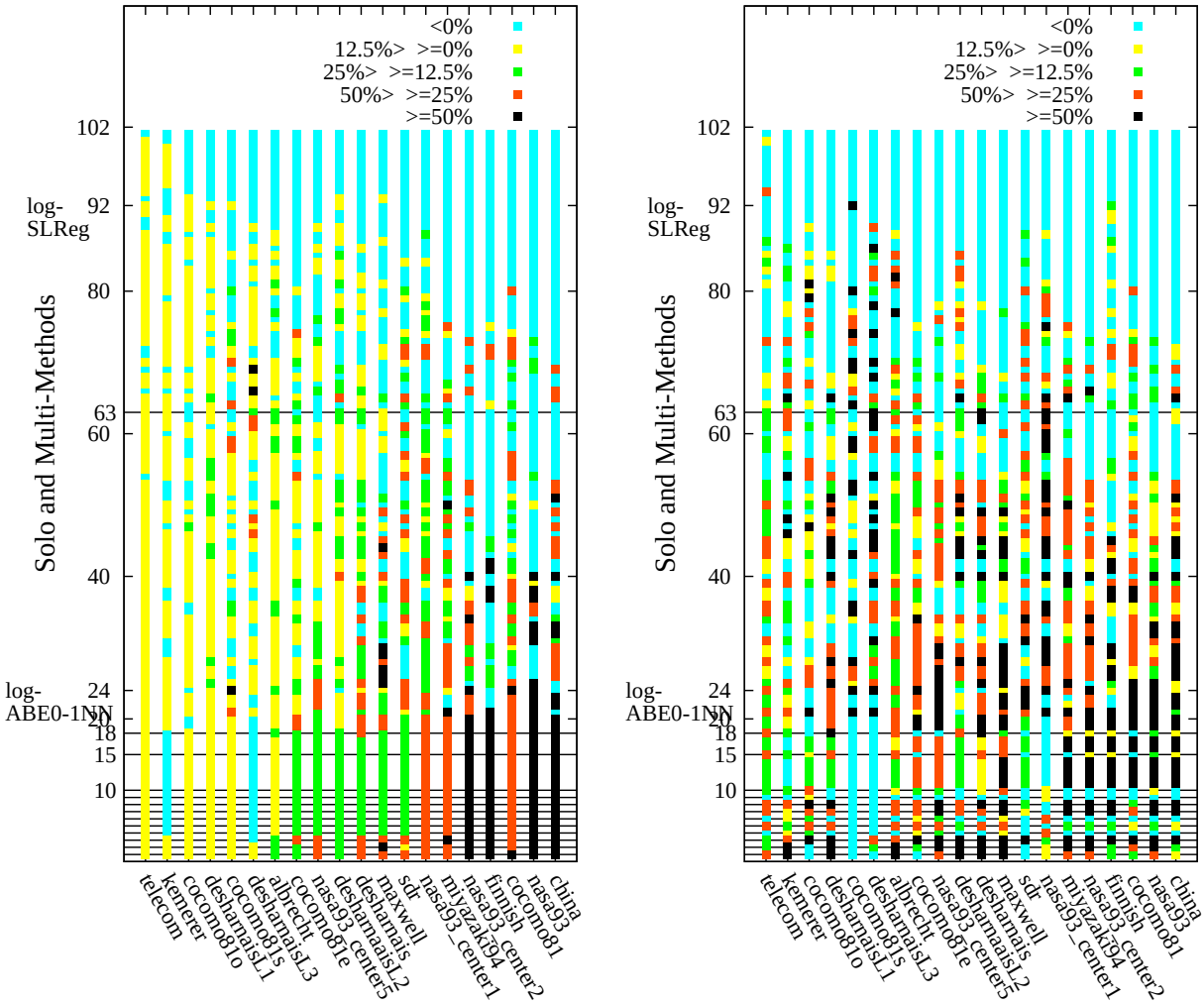
Fig. 1. Loss percentages for LOOCV and 3-Way



(a) With LOOCV

(b) With 3-Way

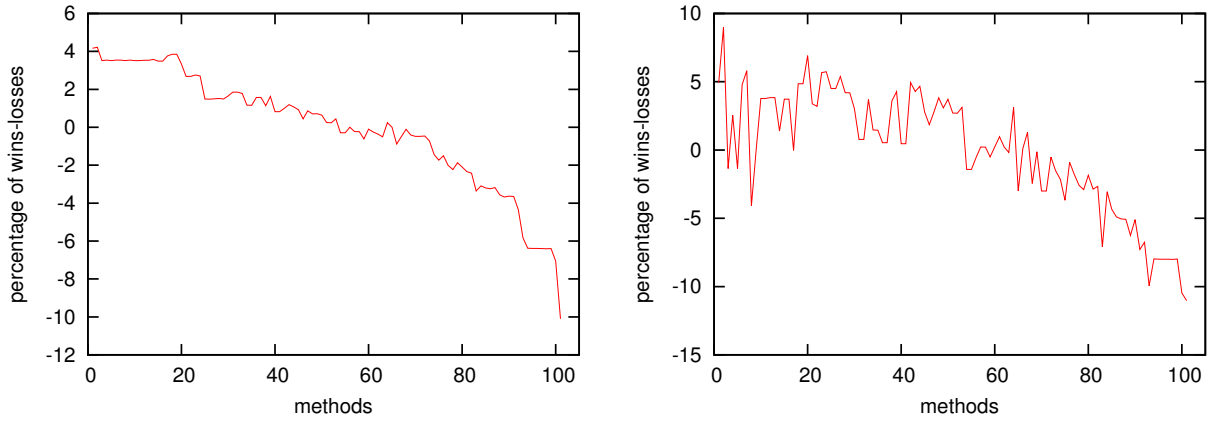
Fig. 2. Win percentages for LOOCV and 3-Way



(a) Win-Loss Percentage with LOOCV

(b) Win-Loss Percentage with 3-Way

Fig. 3. Win minus loss percentage.



(a) Order of Wins-Losses Percentages with LOOCV

(b) Order of Wins-Losses Percentages with 3-Way

Fig. 4. Ordered wins minus losses percentage. Order of methods is the same as those in the previous figures.

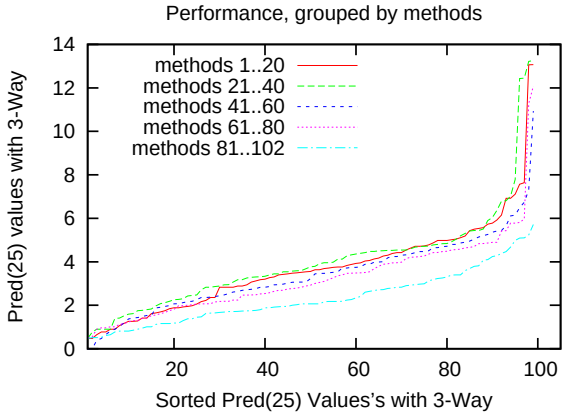
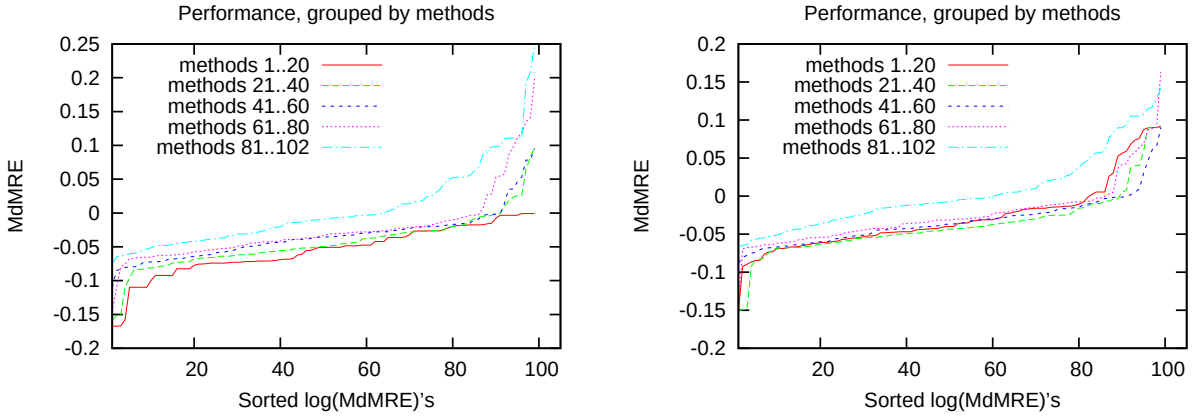


Fig. 5. The Pred(25) values of 5 bands, each band consisting of 20 consecutive methods of Figure 1.



(a) 5 Bands of MdMRE with LOOCV

(b) 5 Bands of MdMRE with 3-Way

Fig. 6. 5 bands of MdMRE values both with LOOCV and with 3-Way.

Pre-Processors	**TOP10**			**Methods**	**TOP10**		
	LOOCV	3-Way	Total		LOOCV	3-Way	Total
SWREg	2	6	8	MoEMedian	3	2	5
Top16	3	2	5	MoEMean	3	1	4
Top8	3	1	4	MoEIrwm	2	0	2
Top4	2	0	2	Cart-On	1	1	2
log	0	1	1	Cart-Off	1	1	2
				1NN	0	2	2
				5NN	0	1	1
				PCR	0	1	1
				PLSR	0	1	1

Fig. 7. The occurrence of pre-processors and methods in top 10 methods according to LOOCV and 3-Way. Both methods as well as pre-processors are sorted according to total number of occurrences (listed under column "Total")

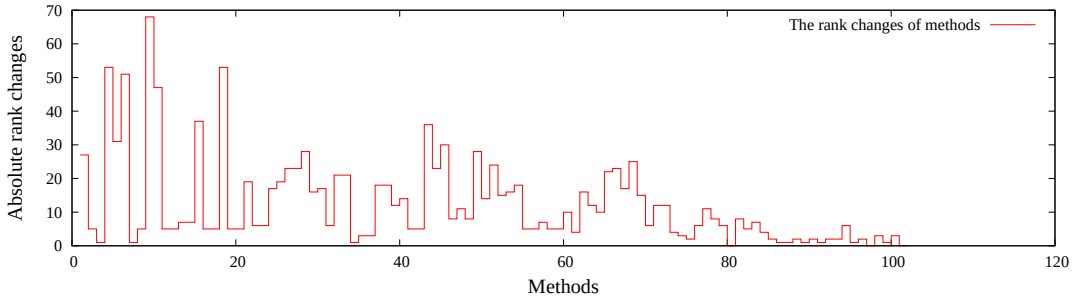


Fig. 8. The absolute rank changes of all methods according to *(win-loss)%* from LOOCV to 3-Way.

1...10 Band	**11...20 Band**	**21...30 Band**	**31...40 Band**	**41...50 Band**
Top16-MoEMedian	none-CART-On	SFS-CART-On	norm-ABE0	width5bin-CART-On
Top16-MoEMean	none-CART-Off	SFS-CART-Off	none-ABE0	width5bin-CART-Off
SWReg-CART-On	norm-CART-On	SFS-ABE0	norm-1NN	
SWReg-CART-Off	norm-CART-Off	SFS-1NN	none-1NN	
Top8-MoEMedian	log-CART-On			
Top4-MoEMedian	log-CART-Off			
51...60 Band	**61...70 Band**	**71...80 Band**	**81...90 Band**	**91...102 Band**
width3bin-ABE0	width3bin-CART-On	width3bin-SWReg	width3bin-PCR	log-SLReg
PCA-NNet	width3bin-CART-Off	log-SWReg	width5bin-SLReg	freq3bin-SWReg
none-NNet	PCA-1NN	width3bin-1NN	freq5bin-PCR	freq5bin-SLReg
freq5bin-1NN	freq3bin-1NN	log-PCR	freq5bin-SWReg	width5bin-NNet
PCA-ABE0		width3bin-PLSR	width3bin-SLReg	norm-NNet
		log-PLSR	freq3bin-PCR	width3bin-NNet
		norm-PCR	freq5bin-PLSR	freq5bin-NNet
		width5bin-PCR	freq3bin-PLSR	log-NNet
				freq3bin-NNet
				freq3bin-SLReg
				PCA-SLReg

Fig. 9. The inclusive smoothing of all methods w.r.t. LOOCV and 3-Way. All methods are divided into bands of 10. A method is allowed to be listed in band x based on 2 factors: 1) It should be ranked within that band according to *(win-loss)%* either by LOOCV or by 3-way and 2) its jiggle has to be less than 10.

1...10 Band	**11...20 Band**	**21...30 Band**	**31...40 Band**	**41...50 Band**
Top16-MoEMedian	none-CART-On	SFS-CART-On		
Top16-MoEMean	none-CART-Off	SFS-ABE0		
SWReg-CART-On				
SWReg-CART-Off				
Top8-MoEMedian				
51...60 Band	**61...70 Band**	**71...80 Band**	**81...90 Band**	**91...102 Band**
PCA-NNet	width3bin-CART-On	log-SWReg	width3bin-PCR	log-SLReg
none-NNet	width3bin-CART-Off	width3bin-1NN	width5bin-SLReg	freq3bin-SWReg
	PCA-1NN	log-PCR	freq5bin-PCR	freq5bin-SLReg
		width3bin-PLSR	freq5bin-SWReg	width5bin-NNet
			freq3bin-PCR	norm-NNet
			freq5bin-PLSR	width3bin-NNet
				freq5bin-NNet
				log-NNet
				freq3bin-NNet
				freq3bin-SLReg
				PCA-SLReg

Fig. 10. The exclusive smoothing of all methods w.r.t. LOOCV and 3-Way. This is exactly similar to inclusive smoothing except the fact that for a method to be included in a band, both LOOCV and 3-Way have to agree.