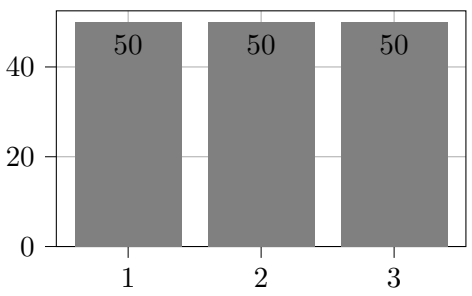
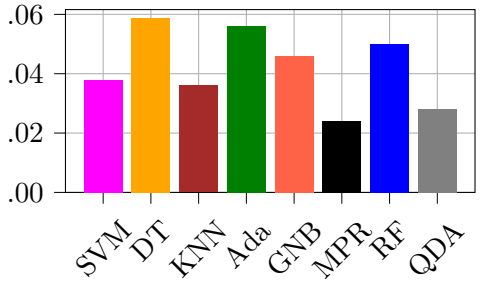
1. Detailed results for real datasets

List of Figures

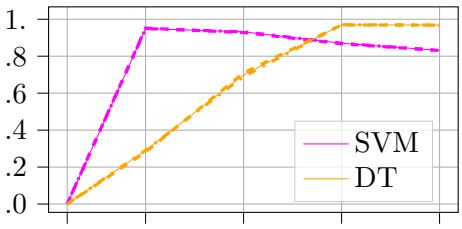
List of Tables



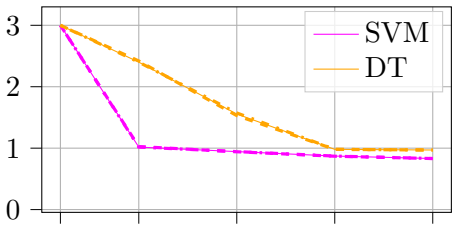
(*a*) Distribution between classes



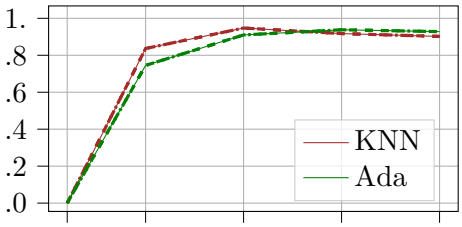
(*b*) Baseline error, *b_err*



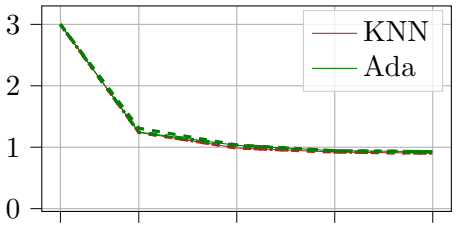
(*c*) *oneC*: SVM and DT



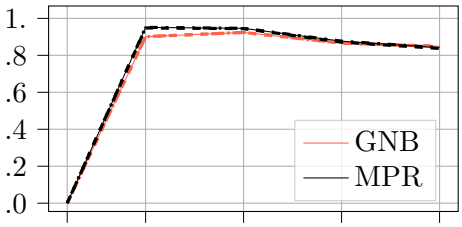
(*d*) *avgC*: SVM and DT



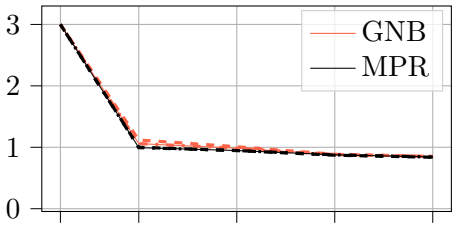
(*e*) *oneC*: KNN and Ada



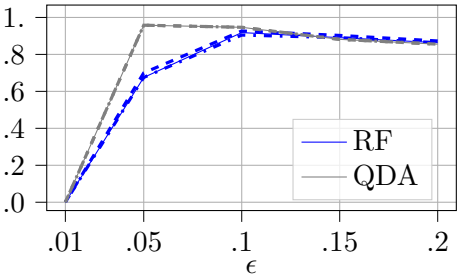
(*f*) *avgC*: KNN and Ada



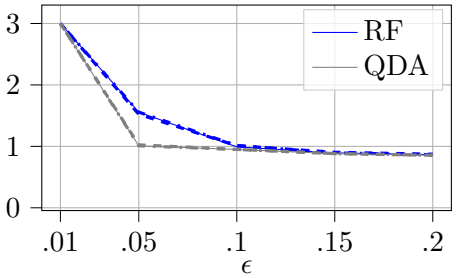
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

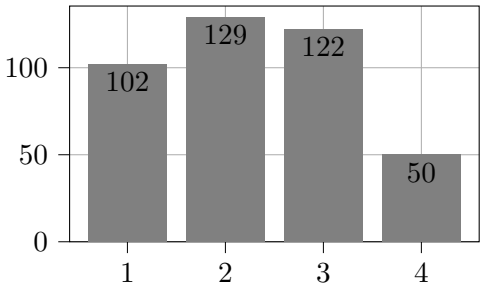


(*j*) *avgC*: RF and QDA

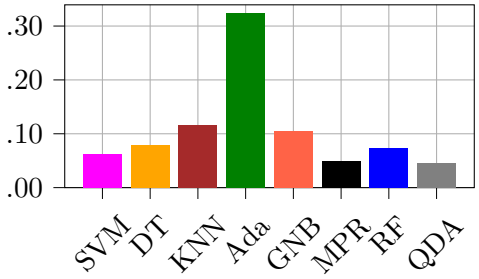
Figure 1: Results for *iris*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line

Table 1: Significance of results for the *iris* dataset

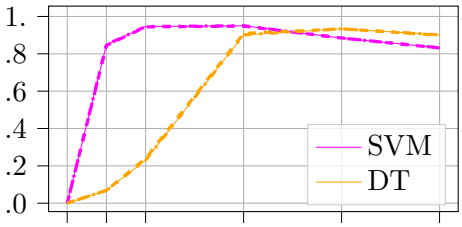
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip															
	ip_m															
	m															
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip															
	ip_m															
	m															
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip															
	ip_m															
	m															
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip															
	ip_m															
	m															
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						+									
	ip_m						+									
	m				−	−										
oneC	ip															
	ip_m															
	m															
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip															
	ip_m															
	m															
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip						−			−						
	ip_m						−									
	m				+	+		+								
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip															
	ip_m															
	m															
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															



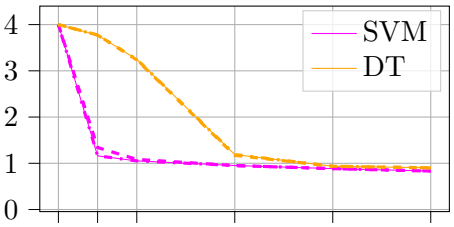
(*a*) Distribution between classes



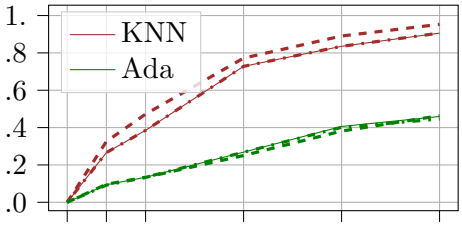
(*b*) Baseline error, *b_err*



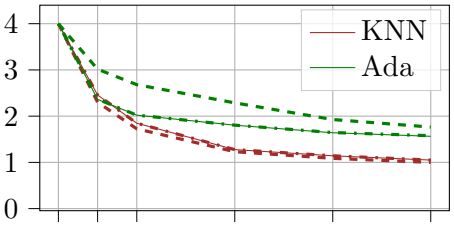
(*c*) *oneC*: SVM and DT



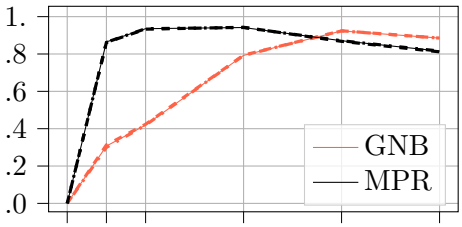
(*d*) *avgC*: SVM and DT



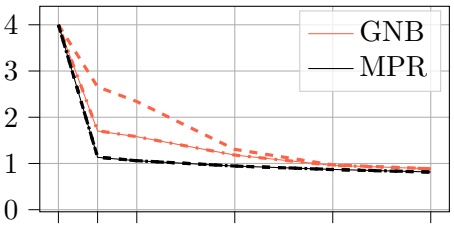
(*e*) *oneC*: KNN and Ada



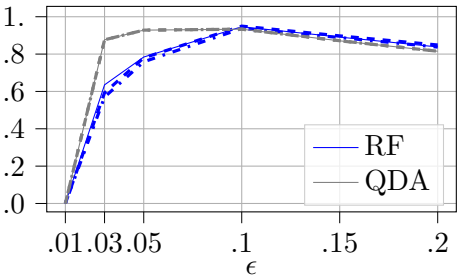
(*f*) *avgC*: KNN and Ada



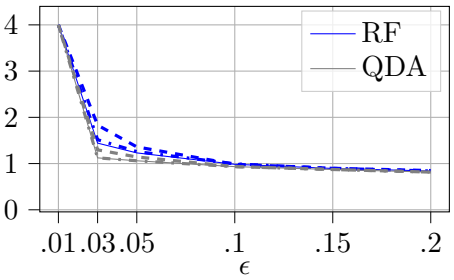
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

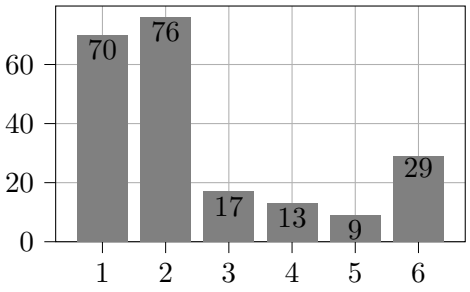


(*j*) *avgC*: RF and QDA

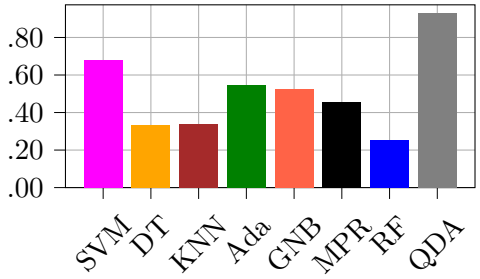
Figure 2: Results for *user*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line

Table 2: Significance of results for the *user* dataset

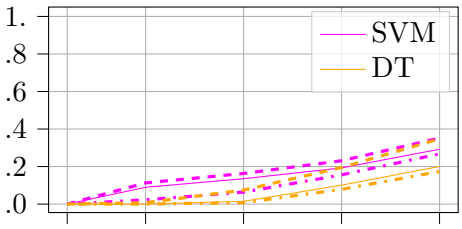
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip															
	ip_m															
	m															
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$									
	ip_m						$+^*$									
	m				$-^*$	$-^*$										
oneC	ip															
	ip_m															
	m															
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip						$-$			$-^*$			$-$			$-$
	ip_m						$-$			$-^*$			$-$			$-$
	m				$+$	$+$		$+^*$	$+^*$		$+$	$+$		$+$	$+$	
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$-$			$-^*$						
	ip_m						$-$			$-^*$						
	m				$+$	$+$		$+^*$	$+^*$							
oneC	ip												$+$			
	ip_m												$+$			
	m										$-$	$-$				
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$			$+^*$			$+^*$			$+$
	ip_m						$+^*$			$+^*$			$+^*$			$+^*$
	m				$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-$	$-^*$	
oneC	ip															
	ip_m															
	m															
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$			$+$						
	ip_m						$+^*$			$+$						
	m				$-^*$	$-^*$		$-$	$-$							
oneC	ip															
	ip_m															
	m															
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip					$-$	$-$		$-^*$							
	ip_m				$+$			$+^*$								
	m				$+$											
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+$									
	ip_m						$+$									
	m				$-$	$-$										
oneC	ip															
	ip_m															
	m															
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+$									
	ip_m						$+$									
	m				$-$	$-$										



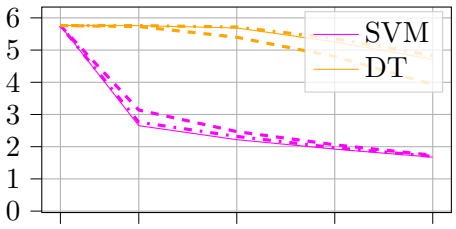
(*a*) Distribution between classes



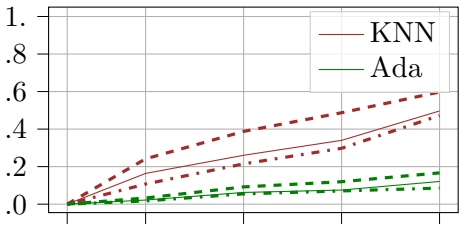
(*b*) Baseline error, *b_err*



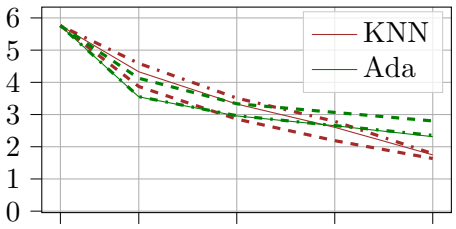
(*c*) *oneC*: SVM and DT



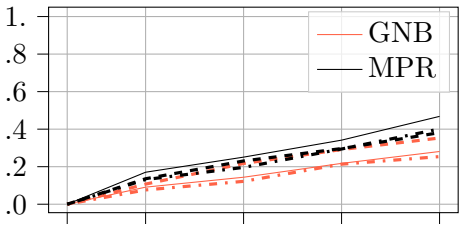
(*d*) *avgC*: SVM and DT



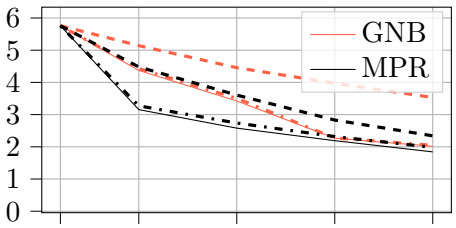
(*e*) *oneC*: KNN and Ada



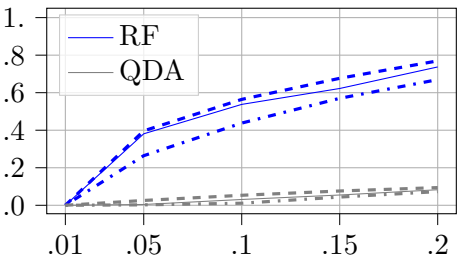
(*f*) *avgC*: KNN and Ada



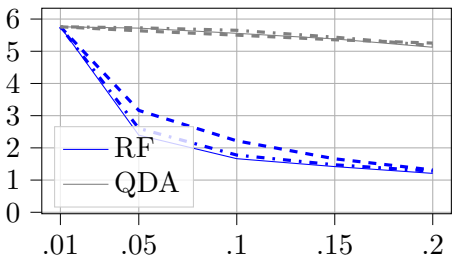
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

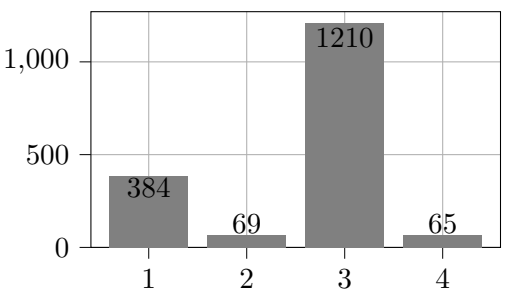


(*j*) *avgC*: RF and QDA

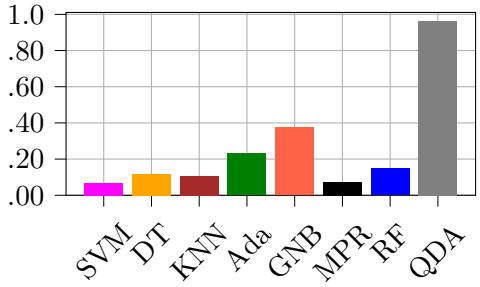
Figure 3: Results for *glass*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line

Table 3: Significance of results for the *glass* dataset

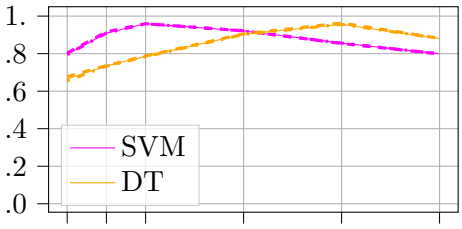
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip					$-^*$	$-^*$		$-^*$	$-^*$		$-$	$-^*$		$-$	$-^*$
	ip_m				$+^*$		$-^*$	$+^*$		$-$	$+$		$-$	$+$		$-$
	m				$+^*$	$+^*$		$+^*$	$+$		$+^*$	$+$		$+^*$	$+$	
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$			$+$						
	ip_m						$+^*$			$+^*$			$+$			
	m				$-^*$	$-^*$		$-$	$-^*$			$-$				
oneC	ip									$-$		$-$	$-$		$-$	$-$
	ip_m									$-$	$+$		$-$	$+$		$-$
	m							$+$	$+$		$+$	$+$		$+$	$+$	
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip									$-$			$-$			$-$
	ip_m									$-$			$-$			$-$
	m							$+$	$+$		$+$	$+$		$+$	$+$	
oneC	ip					$-$	$-^*$		$-$	$-^*$		$-$	$-^*$		$-$	$-^*$
	ip_m				$+$		$-$	$+$		$-$	$+$		$-^*$	$+$		$-$
	m				$+^*$	$+$		$+^*$	$+$		$+^*$	$+^*$		$+^*$	$+$	
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip					$-$	$-$		$-$	$-$		$-$	$-$			$-$
	ip_m				$+$		$-$	$+$		$-$	$+$		$-$			
	m				$+$	$+$		$+$	$+$		$+$	$+$		$+$		
oneC	ip									$-^*$			$-^*$		$-^*$	$-^*$
	ip_m									$-$			$-^*$	$+^*$		$-^*$
	m							$+^*$	$+$		$+^*$	$+^*$		$+^*$	$+^*$	
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$			$+^*$			$+^*$			$+^*$
	ip_m						$+^*$			$+^*$			$+^*$			$+^*$
	m				$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip						$-$		$-$	$-^*$			$-^*$		$-$	$-^*$
	ip_m							$+$		$-^*$			$-^*$	$+^*$		$-^*$
	m				$+$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+$			$+^*$			$+^*$			$+^*$
	ip_m						$+$			$+^*$			$+^*$			$+^*$
	m				$-$	$-$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip					$-$			$-$	$-$		$-$			$-$	
	ip_m				$+$		$+$	$+$		$+$	$+$		$+$	$+$		$+$
	m					$-$		$+$	$-$			$-$			$-$	
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$		$-$	$+^*$		$-$	$+^*$		$-$	$+$
	ip_m						$+^*$	$+$		$+^*$	$+$		$+^*$	$+$		$+^*$
	m				$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-$	$-^*$	
oneC	ip					$-$	$-^*$		$-$	$-^*$		$-$	$-^*$		$-$	$-^*$
	ip_m				$+$			$+$		$-$	$+$		$-$	$+$		$-$
	m				$+^*$			$+^*$	$+$		$+^*$	$+$		$+^*$	$+$	
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip					$-$	$+$			$+^*$			$+$			
	ip_m				$+$		$+^*$			$+^*$			$+$			
	m				$-$	$-^*$		$-^*$	$-^*$		$-$	$-$				
oneC	ip						$-^*$			$-^*$			$-$			$-$
	ip_m						$-^*$			$-$			$-$			
	m				$+^*$	$+^*$		$+^*$	$+$		$+$	$+$		$+$		
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip									$-$						
	ip_m															$+$
	m							$+$							$-$	



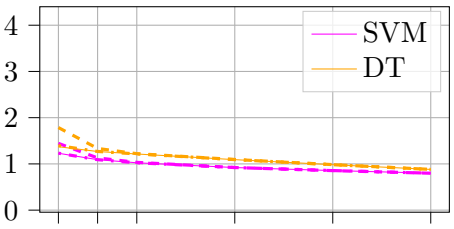
(*a*) Distribution between classes



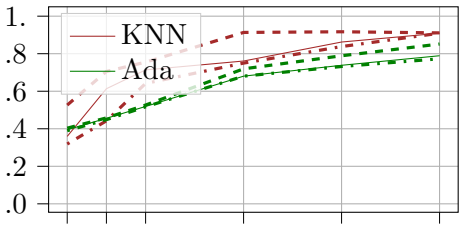
(*b*) Baseline error, *b_err*



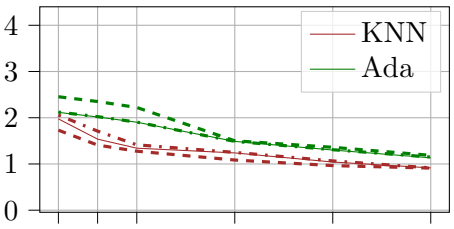
(*c*) *oneC*: SVM and DT



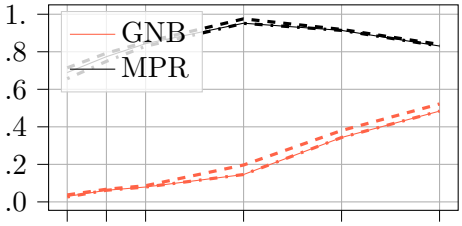
(*d*) *avgC*: SVM and DT



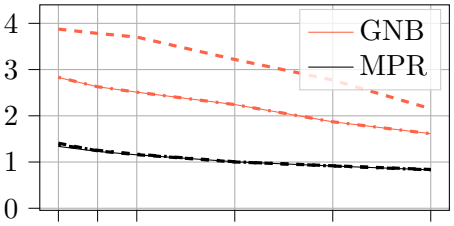
(*e*) *oneC*: KNN and Ada



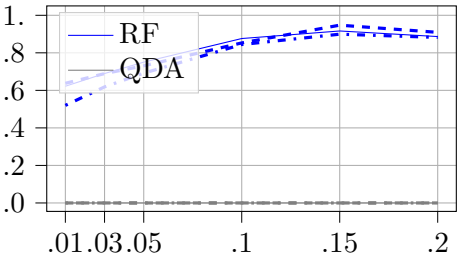
(*f*) *avgC*: KNN and Ada



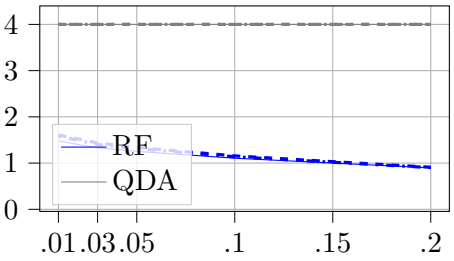
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

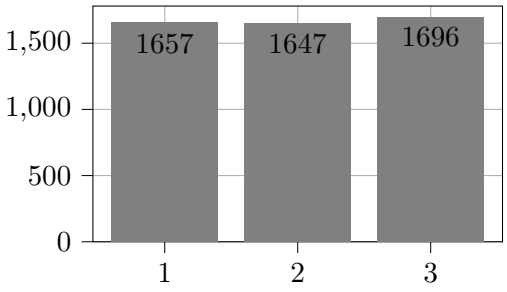


(*j*) *avgC*: RF and QDA

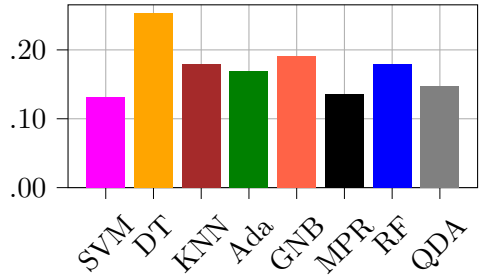
Figure 4: Results for *cars*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line

Table 4: Significance of results for the *cars* dataset

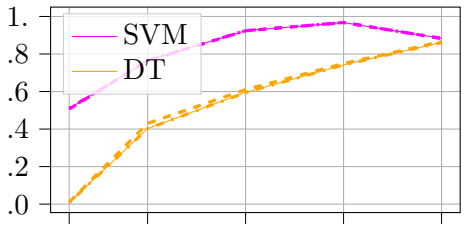
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip															
	ip_m															
	m															
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			+*												
	ip_m			+*												
	m	−*	−*													
oneC	ip			−*												
	ip_m															
	m	+*														
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			+*												
	ip_m			+*												
	m	−*	−*													
oneC	ip		−*	−*		−*	−*			−*		−	−*			
	ip_m	+*		−*	+*		−*			−*	+		−*			
	m	+*	+*		+*	+*		+*	+*		+*	+*				
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip		−	−*			−*			−*			−*			
	ip_m	+		−*			−*			−*			−*			
	m	+*	+*		+*	+*		+*	+*		+*	+*				
oneC	ip			−*						−*			−*			−*
	ip_m									−*			−*			−*
	m	+*						+*	+*		+*	+*		+*	+*	
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			+*			+*									
	ip_m			+*			+*									
	m	−*	−*		−*	−*										
oneC	ip			−*						−*			−			−
	ip_m									−*			−			−
	m	+*						+*	+*		+	+		+	+	
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			+*			+*			+*			+*			+*
	ip_m			+*			+*			+*			+*			+*
	m	−*	−*		−*	−*		−*	−*		−*	−*		−*	−*	
oneC	ip		−*	−*			−			−*						
	ip_m	+*		−						−*						
	m	+*	+		+			+*	+*							
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m			+*												
	m		−*													
oneC	ip		−*	−*		−*	−*		−*			−*	−*			−*
	ip_m	+*		−*	+*			+*		+*	+*		−*			−*
	m	+*	+*		+*				−*		+*	+*		+*	+*	
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip		−*			−*			−*							
	ip_m	+*		+*	+*		+*	+*		+*			+*			
	m		−*			−*			−*			−*				
oneC	ip															
	ip_m															
	m															
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															



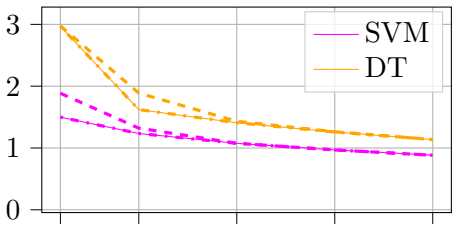
(*a*) Distribution between classes



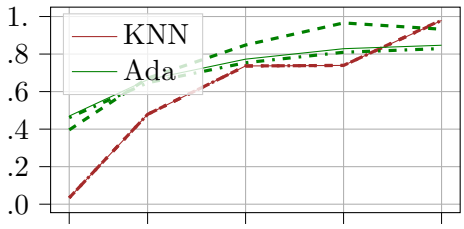
(*b*) Baseline error, *b_err*



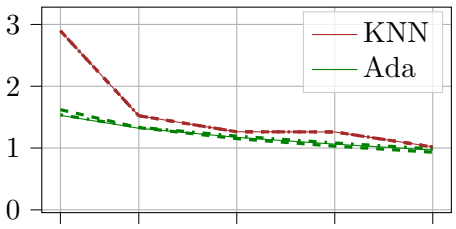
(*c*) *oneC*: SVM and DT



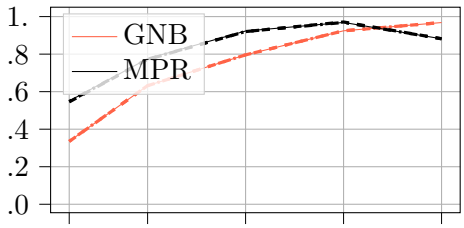
(*d*) *avgC*: SVM and DT



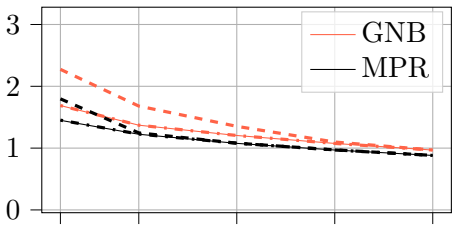
(*e*) *oneC*: KNN and Ada



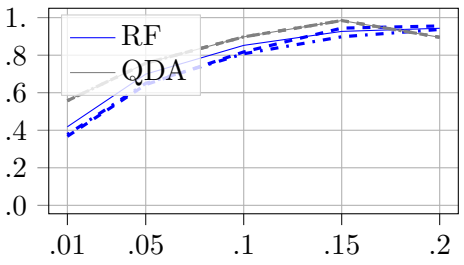
(*f*) *avgC*: KNN and Ada



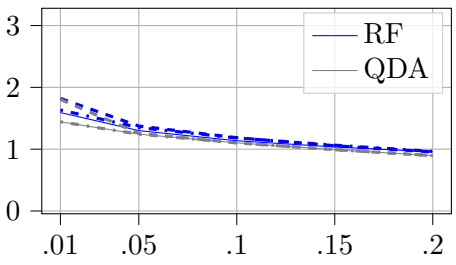
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

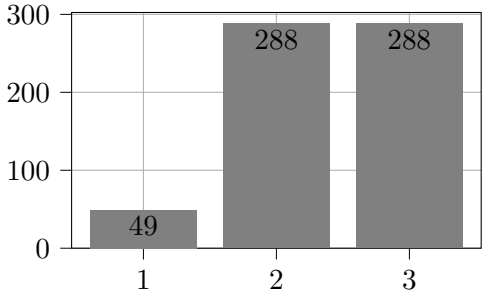


(*j*) *avgC*: RF and QDA

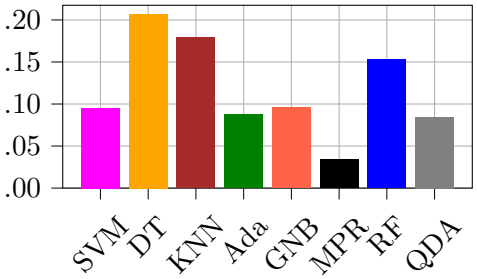
Figure 5: Results for *wave*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line

Table 5: Significance of results for the *wave* dataset

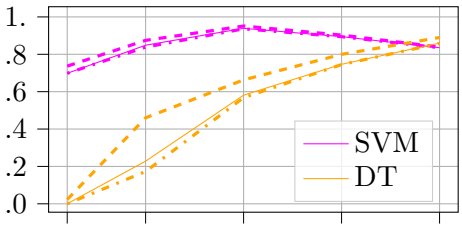
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip															
	ip_m															
	m															
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$									
	ip_m			$+^*$			$+^*$									
	m	$-^*$	$-^*$		$-^*$	$-^*$										
oneC	ip						$-^*$			$-^*$						
	ip_m						$-^*$			$-^*$						
	m				$+^*$	$+^*$		$+^*$	$+^*$							
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$			$+^*$						
	ip_m						$+^*$			$+^*$						
	m				$-^*$	$-^*$		$-^*$	$-^*$							
oneC	ip															
	ip_m															
	m															
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip															
	ip_m															
	m															
oneC	ip			$+^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m			$+^*$	$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m	$-^*$	$-^*$		$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$		$-^*$			$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m			$+^*$	$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m	$-^*$	$-^*$					$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
oneC	ip															
	ip_m															
	m															
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$						
	ip_m			$+^*$			$+^*$			$+^*$						
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$							
oneC	ip															
	ip_m															
	m															
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$												
	ip_m			$+^*$			$+^*$									
	m	$-^*$	$-^*$			$-^*$										
oneC	ip		$-^*$			$-^*$			$-^*$			$-^*$	$-^*$		$-^*$	$-^*$
	ip_m	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m		$-^*$			$-^*$			$-^*$		$+^*$	$+^*$		$+^*$	$+^*$	
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			$-^*$				
	ip_m	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$			
	m	$-^*$	$-^*$		$-^*$	$-^*$			$-^*$			$-^*$				
oneC	ip															
	ip_m															
	m															
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$												
	ip_m			$+^*$												
	m	$-^*$	$-^*$													



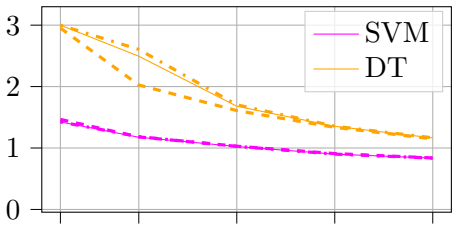
(*a*) Distribution between classes



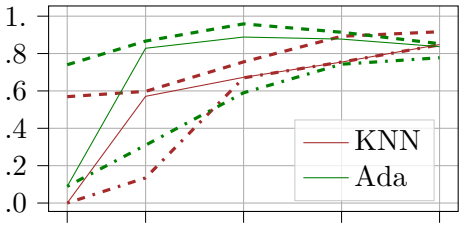
(*b*) Baseline error



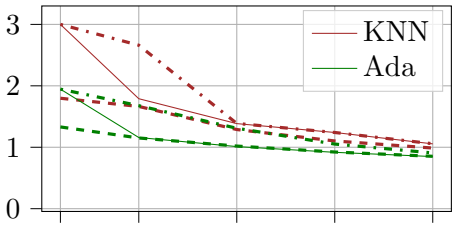
(*c*) *oneC*: SVM and DT



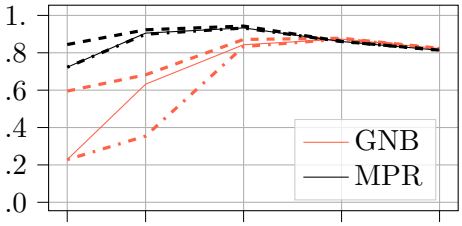
(*d*) *avgC*: SVM and DT



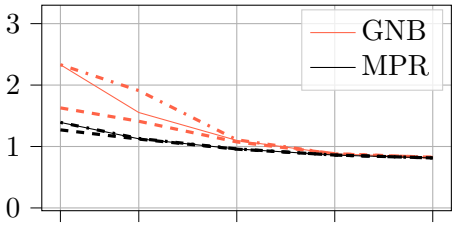
(*e*) *oneC*: KNN and Ada



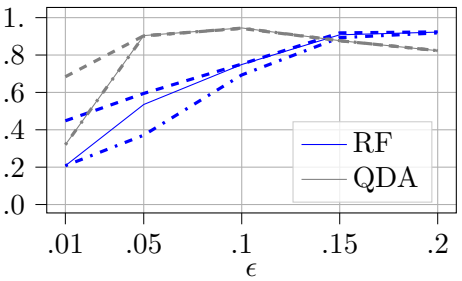
(*f*) *avgC*: KNN and Ada



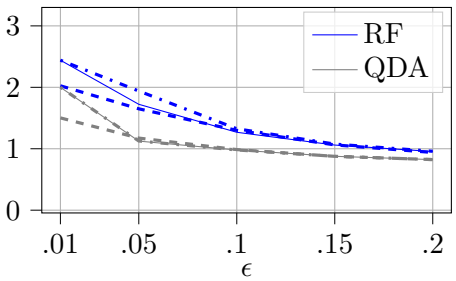
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

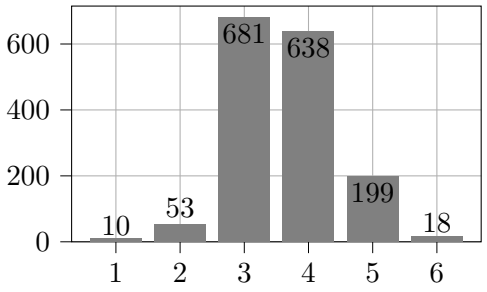


(*j*) *avgC*: RF and QDA

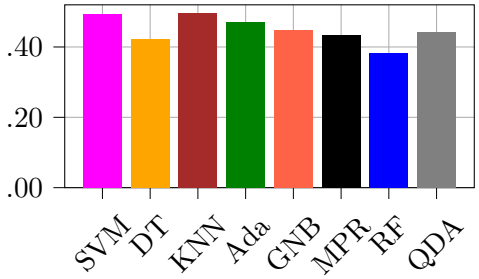
Figure 6: Results for *balance*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin line

Table 6: Significance of results for the *balance* dataset

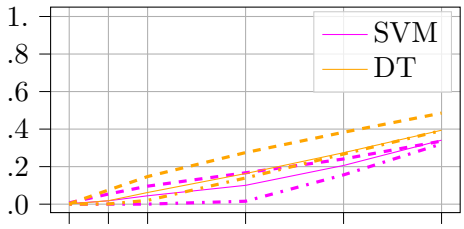
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip			$-^*$			$-^*$									
	ip_m			$-^*$			$-^*$									
	m	$+^*$	$+^*$		$+^*$	$+^*$										
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$												
	ip_m			$+^*$												
	m	$-^*$	$-^*$													
oneC	ip			$-$		$-$	$-^*$			$-^*$			$-^*$			$-^*$
	ip_m			$-$	$+$		$-^*$			$-^*$			$-^*$			$-$
	m	$+$	$+$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+$	
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip					$-$	$-^*$			$-^*$						
	ip_m				$+$		$-^*$			$-^*$						
	m				$+^*$	$+^*$		$+^*$	$+^*$							
oneC	ip			$-^*$		$-^*$	$-^*$			$-^*$			$-^*$			$-^*$
	ip_m			$-^*$	$+^*$		$-^*$			$-^*$			$-^*$			$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$-^*$		$-^*$	$-^*$			$-^*$			$-^*$			$-^*$
	ip_m			$-^*$	$+^*$		$-^*$			$-^*$			$-^*$			$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
oneC	ip			$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m			$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$		
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m			$-^*$	$+^*$			$+^*$			$+^*$			$+^*$		
	m	$+^*$	$+^*$		$+^*$			$+^*$			$+^*$			$+^*$		
oneC	ip			$-^*$		$-^*$	$-^*$			$-$						
	ip_m			$-^*$	$+^*$		$-^*$			$-$						
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+$	$+$							
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$-^*$		$-^*$	$-^*$									
	ip_m			$-^*$	$+^*$		$-^*$									
	m	$+^*$	$+^*$		$+^*$	$+^*$										
oneC	ip			$-^*$			$-$									
	ip_m			$-^*$												
	m	$+^*$	$+^*$		$+$											
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$-^*$												
	ip_m			$-^*$												
	m	$+^*$	$+^*$													
oneC	ip			$-^*$		$-^*$	$-^*$		$-$	$-$			$-$			
	ip_m			$-^*$	$+^*$		$-^*$	$+$								
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+$			$+$					
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$-^*$		$-^*$	$-^*$									
	ip_m			$-^*$	$+^*$		$-$									
	m	$+^*$	$+^*$		$+^*$	$+$										
oneC	ip			$-^*$												
	ip_m			$-^*$												
	m	$+^*$	$+^*$													
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$-^*$			$+^*$									
	ip_m			$-^*$			$+^*$									
	m	$+^*$	$+^*$		$-^*$	$-^*$										



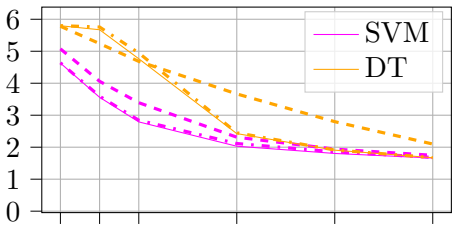
(*a*) Distribution between classes



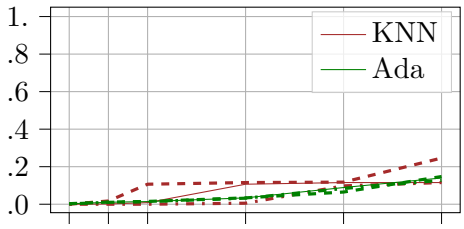
(*b*) Baseline error, *b_err*



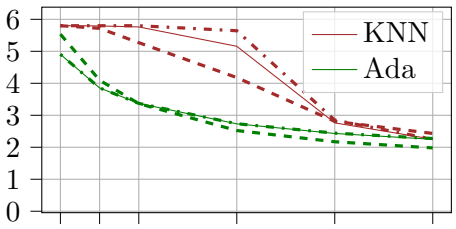
(*c*) *oneC*: SVM and DT



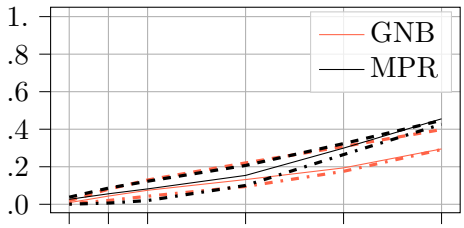
(*d*) *avgC*: SVM and DT



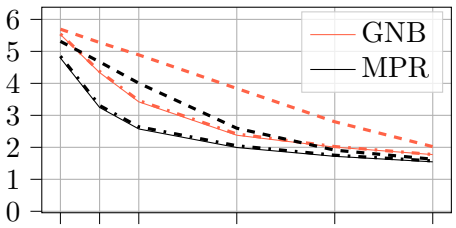
(*e*) *oneC*: KNN and Ada



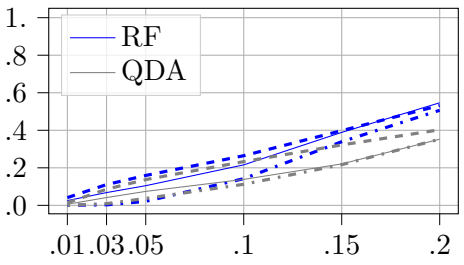
(*f*) *avgC*: KNN and Ada



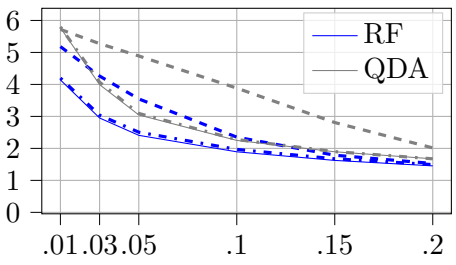
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

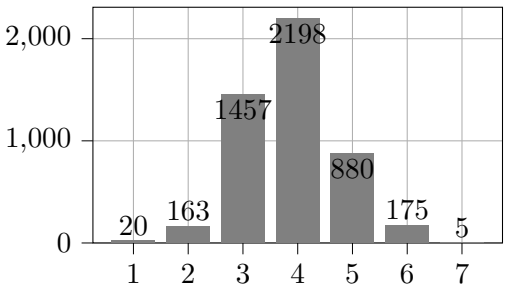


(*j*) *avgC*: RF and QDA

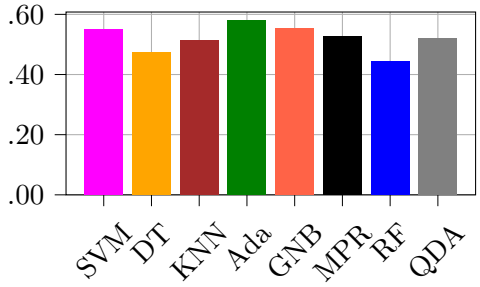
Figure 7: Results for *wineR*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line

Table 7: Significance of results for the *wineR* dataset

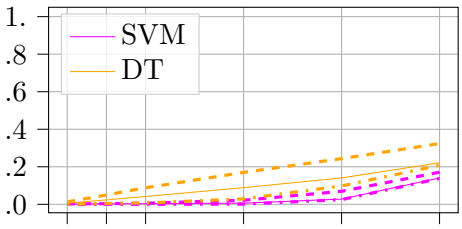
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			
	ip_m	$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			
	m	$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$				
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$			$+^*$
	ip_m			$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$			$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip			$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$			$-^*$
	ip_m				$+^*$		$-^*$	$+^*$		$-^*$			$-^*$			$-^*$
	m	$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip					$-$	$-$			$+^*$			$+^*$			$+^*$
	ip_m				$+$					$+^*$			$+^*$			$+^*$
	m				$+$			$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip					$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$
	ip_m				$+^*$		$-^*$	$+^*$		$-^*$	$+^*$					$-^*$
	m				$+^*$	$+^*$		$+^*$	$+^*$		$+^*$			$+^*$	$+^*$	
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$-^*$		$-^*$	$-^*$						$+^*$
	ip_m						$-^*$	$+^*$		$-^*$						$+^*$
	m				$+^*$	$+^*$		$+^*$	$+^*$					$-^*$	$-^*$	
oneC	ip															
	ip_m												$+^*$			
	m											$-^*$				
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$						$-^*$			$-^*$			$-^*$
	ip_m			$+^*$						$-^*$			$-^*$			$-^*$
	m	$-^*$	$-^*$					$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$			$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			$-^*$			$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+$			$+^*$			$+^*$			$+^*$			$+^*$
	ip_m			$+$			$+^*$			$+^*$			$+^*$			$+^*$
	m	$-$	$-$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-$	$-$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-$	$+$		
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+$		$+$		
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$		$-^*$	$+^*$			$+^*$
	ip_m			$+^*$			$+^*$			$+^*$	$+^*$		$+^*$			$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$			$+^*$		
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$			$+$		
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	
	ip_m			$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$			$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			$-^*$			$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$			$+^*$			$+^*$			$+^*$
	ip_m						$+^*$			$+^*$			$+^*$			$+^*$
	m				$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	



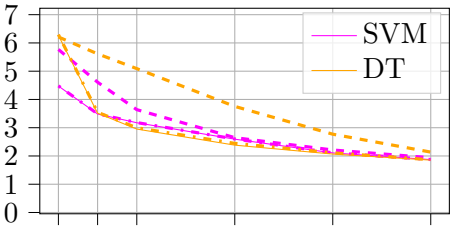
(*a*) Distribution between classes



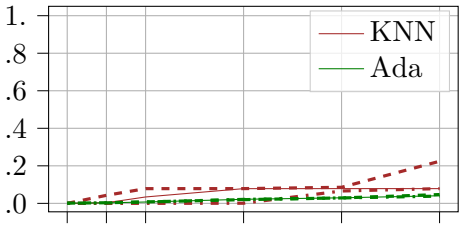
(*b*) Baseline error, *b_err*



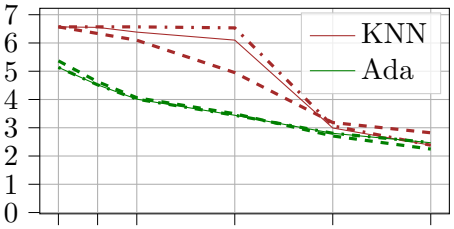
(*c*) *oneC*: SVM and DT



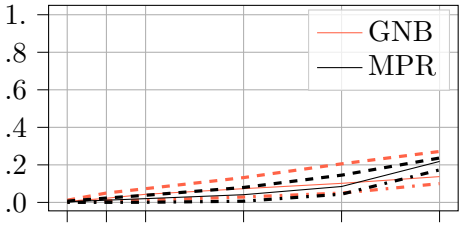
(*d*) *avgC*: SVM and DT



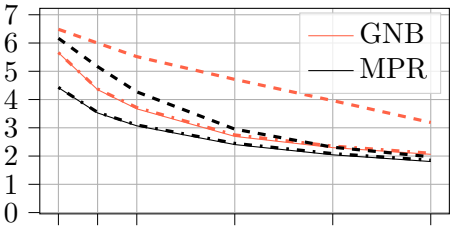
(*e*) *oneC*: KNN and Ada



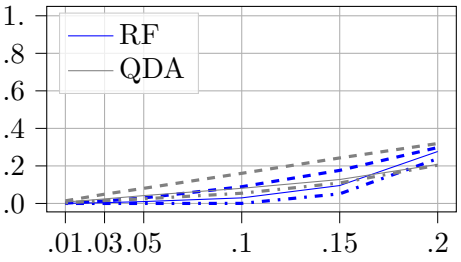
(*f*) *avgC*: KNN and Ada



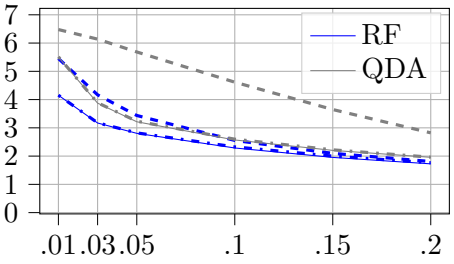
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA

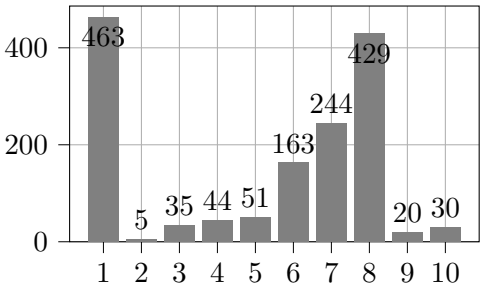


(*j*) *avgC*: RF and QDA

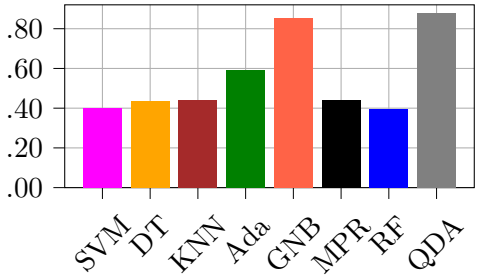
Figure 8: Results for *wineW*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line

Table 8: Significance of results for the *wineW* dataset

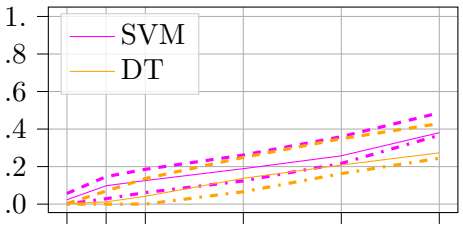
		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$			$-^*$
	ip_m	$+^*$			$+^*$		$-^*$	$+^*$		$-^*$			$-^*$			$-^*$
	m	$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$						$+^*$			$+^*$
	ip_m			$+^*$			$+^*$						$+^*$			$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$					$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$		$-^*$	$+^*$		$-^*$	$+^*$			$+^*$
	ip_m						$+^*$	$+^*$		$+^*$	$+^*$		$+^*$			$+^*$
	m				$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip					$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$
	ip_m				$+^*$		$-^*$	$+^*$			$+^*$					$-^*$
	m				$+^*$	$+^*$		$+^*$			$+^*$			$+^*$	$+^*$	
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip					$-$	$-^*$		$-^*$	$-^*$						$+^*$
	ip_m				$+$		$-$	$+^*$		$-^*$			$+$			$+^*$
	m				$+^*$	$+$		$+^*$	$+^*$			$-$		$-^*$	$-^*$	
oneC	ip															
	ip_m															
	m															
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+$												$-$
	ip_m			$+$												$-$
	m	$-$	$-$											$+$	$+$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$
	ip_m			$+^*$			$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$		
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$
	ip_m			$+^*$			$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+$	
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$
	ip_m			$+^*$			$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	ip_m			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	



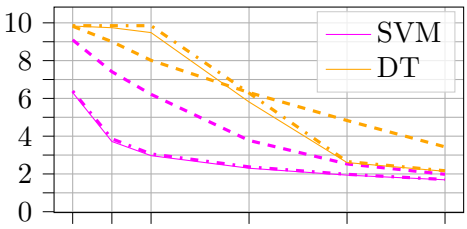
(*a*) Distribution between classes



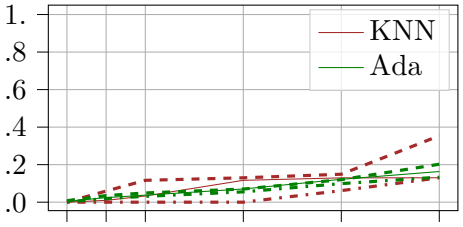
(*b*) Baseline error, *b_err*



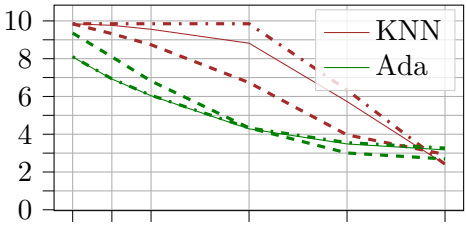
(*c*) *oneC*: SVM and DT



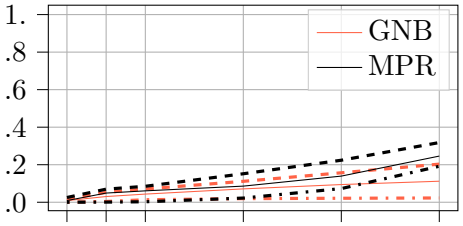
(*d*) *avgC*: SVM and DT



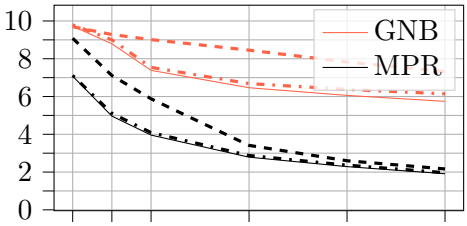
(*e*) *oneC*: KNN and Ada



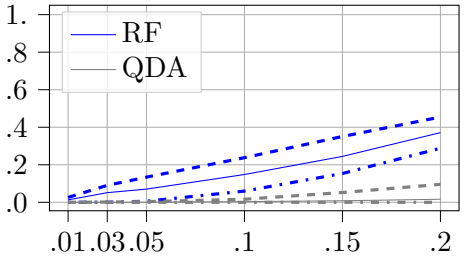
(*f*) *avgC*: KNN and Ada



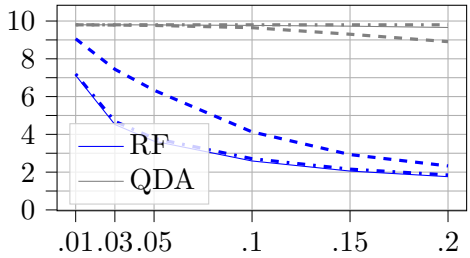
(*g*) *oneC*: GNB and MPR



(*h*) *avgC*: GNB and MPR



(*i*) *oneC*: RF and QDA



(*j*) *avgC*: RF and QDA

Figure 9: Results for *yeast*: *M* - dashed line, *IP* - dash and dot line, *IP_M* - thin solid line.

Table 9: Significance of results for *yeast* dataset

		$\epsilon = 0.01$			$\epsilon = 0.05$			$\epsilon = 0.1$			$\epsilon = 0.15$			$\epsilon = 0.2$		
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
SVM		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	ip_m			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip					$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-$	$-^*$
	ip_m				$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+$		$-^*$
	m				$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
DT		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip					$-^*$	$-^*$		$-$				$+^*$			$+^*$
	ip_m				$+^*$		$-^*$	$+$		$+$			$+^*$			$+^*$
	m				$+^*$	$+^*$			$-$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip					$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$			$-^*$
	ip_m				$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$			$-^*$
	m				$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
KNN		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip					$-^*$	$-^*$		$-^*$	$-^*$		$-$	$-^*$			$+^*$
	ip_m				$+^*$		$-^*$	$+^*$		$-^*$	$+$		$-^*$			$+^*$
	m				$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$-^*$	$-^*$	
oneC	ip			$-^*$			$-^*$					$-$	$-$		$-^*$	$-^*$
	ip_m										$+$			$+^*$		$-^*$
	m	$+^*$			$+^*$						$+$			$+^*$	$+^*$	
Ada		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$						$-^*$			$-^*$
	ip_m			$+^*$			$+^*$						$-$			$-^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$					$+^*$	$+$		$+^*$	$+^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m	$+^*$			$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m	$+^*$			$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
GNB		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip						$+^*$		$-$	$+^*$		$-$	$+^*$		$-$	$+^*$
	ip_m						$+^*$	$+$		$+^*$	$+$		$+^*$	$+$		$+^*$
	m				$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
MPR		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	ip_m			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m	$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
RF		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	ip_m			$+^*$			$+^*$			$+^*$			$+^*$			$+^*$
	m	$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$		$-^*$	$-^*$	
oneC	ip									$-^*$		$-^*$	$-^*$		$-^*$	$-^*$
	ip_m									$-^*$	$+^*$		$-^*$	$+^*$		$-^*$
	m							$+^*$	$+^*$		$+^*$	$+^*$		$+^*$	$+^*$	
QDA		ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m	ip	ip_m	m
avgC	ip												$-^*$			$-^*$
	ip_m												$-^*$			$-^*$
	m										$+^*$	$+^*$		$+^*$	$+^*$	