??
A1
A7
CpuSm
4
37
3
4
??
??

Dataset	Number of instances	Number of predictors	Numerical predictors	Categorical predictors
??	??	4	?	?

Model	Parameters	Package
??	?	?
?	?	?
?	?	?
?	?	?
?	?	?
?	?	?
10	10	3
$N+$	$\frac{N!}{2!\times(N-2)!}+$	$\frac{N!}{3!\times(N-3)!}$
N	3	*gg-plot2*
?	?	?
??	??	??
??	??	??
A6	??	??
5%	60%	$NO3 =$ [0.7− 1.59], $mxPH =$ [7.75− 8.22], $oPO4 =$ [7.4− 31.33] $NH4 =$ [82.1− 176.67]
25%	75%	$q1-$ $1.5\times$ $(q3q1)$
$q3+$	$1.5\times$ $(q3q1)$	?
X	Y	??

$_4$*/boxplot/single.png*[*Exampleofaboxplotvisualizationofaedrfromdataset*A6(*cf.Table*??), *trainedwithaGradientBoos*

??
$NH4 =$ [82.1− 176.67]

$_4$*/boxplot/multiple.png*[*Exampleofaboxplotvisualizationofmultipleedrsfromdataset*A6(*cf.Table*??), *trainedwithaGra*

Y	X	Y
??	??	?
0	0.5	

$_4$*/histogram/single.png*[*Exampleofanhistogramvisualizationofaedrfromdataset*A6(*cf.Table*??), *trainedwithaGradie*

??
0
1

$_4$*/histogram/multiple.png*[*Exampleofanhistogramvisualizationofmultipleedrsfromdataset*A6(*cf.Table*??), *trainedw*

??

$_4$*/density/single.png*[*Exampleofadensityplotvisualizationofaedrfromdataset*A6(*cf.Table*??), *trainedwithaGradient*

??
??
0
1

$NH4 =$ [82.1− 176.67], $Cl =$ [17.38− 47.22]

$spring$
$PO4 =$
$[292.62-$
$771.6]$
$oPO4 =$
$[205.64-$
$564.6]$
$_4/performance_tables/example_a4.png[Performancetableofdrsfromdataset A4(cf.Table\textbf{??}), trainedwithaGradientBoos$
$\textbf{??}$
$PO4 =$
$[1-$
$13.2]$
$A4$
$\textbf{??}$
$PO4 =$
$[1-$
$13.2]$
$PO4 =$
$[1-$
$13.2]$
$size =$
$small$
$oPO4 =$
$[1-$
$7.3]$
$PO4 =$
$[1-$
$13.2]$
$PO4 =$
$[1-$
$13.2], mnO2 =$
$[10.3-$
$11.7]$
$_4/performance_tables/filtered_example_a4_small.png[Performancetableofafilteredgroupofdrsbasedonfeature PO4 from$
3
$Worse$
$Equal$
$Bet-$
ter
$\textbf{??}$
1
2
3
3
2
1
3
$\textbf{??}$
$A4$
$\textbf{??}$
$size =$
$large, Cl =$
$[5-$
$16]$
1
$oPO4 =$
$[1-$
$7.3], Cl =$
$[5-$
$16], size =$
$small$
$oPO4 =$
$[1-$
$7.3], Cl =$
$[5-$
$16]$
$size =$
$large, Cl =$
$[5-$
$16]$
$\textbf{??}$
$\textbf{??}$
$\textbf{??}$
$NO3 =$
$[0.7-$
$1.59], mxPH =$
$[8.24-$
$8.8]$
$A7$
$\textbf{??}$
$\textbf{??}$
$\textbf{??}$
$\textbf{??}$
$\textbf{??}$
5%
20%
$1\times$
10^{-14}
$_4/error_type/absolute.pngAbsoluteerrors.$
$_4/error_type/log.pngLogarithmicerrors.$
$_4/error_type/residual.pngResidualerrors.$
$\textbf{??}$
$\textbf{??}$