

\*\*\*\*\* Condition \*\*\*\*\*

# Accuracy $(TP+TN)/(TP+FP+TN+FN)$

Random Forest (10x 5-fold CV)

Mean of accuracy =  $0.89 \pm 0.03$

	<b>Fold 1</b>	<b>Fold 2</b>	<b>Fold 3</b>	<b>Fold 4</b>	<b>Fold 5</b>
<i>Run 1</i>	0.71	0.75	0.89	0.86	0.89
<i>Run 2</i>	1	0.88	0.86	0.78	0.89
<i>Run 3</i>	0.86	1	0.78	1	1
<i>Run 4</i>	0.86	1	0.89	1	0.89
<i>Run 5</i>	0.62	1	1	1	0.89
<i>Run 6</i>	1	0.75	0.75	0.88	1
<i>Run 7</i>	0.86	1	1	0.78	0.75
<i>Run 8</i>	0.89	0.88	1	0.86	0.67
<i>Run 9</i>	1	0.78	0.89	0.88	0.86
<i>Run 10</i>	0.86	1	0.89	0.89	0.88

# Sensitivity $TP/(TP+FN)$

Random Forest (10x 5-fold CV)

Mean of sensitivity =  $0.82 \pm 0.06$

	<b>Fold 1</b>	<b>Fold 2</b>	<b>Fold 3</b>	<b>Fold 4</b>	<b>Fold 5</b>
<i>Run 1</i>	0.33	0.67	0.75	1	0.75
<i>Run 2</i>	1	1	0.67	0.5	0.75
<i>Run 3</i>	1	1	0.5	1	1
<i>Run 4</i>	0.67	1	1	1	0.75
<i>Run 5</i>	0.33	1	1	1	1
<i>Run 6</i>	1	0.67	0.5	1	1
<i>Run 7</i>	1	1	1	0.5	0.67
<i>Run 8</i>	0.75	0.67	1	0.67	0.75
<i>Run 9</i>	1	0.5	1	0.67	0.67
<i>Run 10</i>	0.67	1	0.75	0.75	1

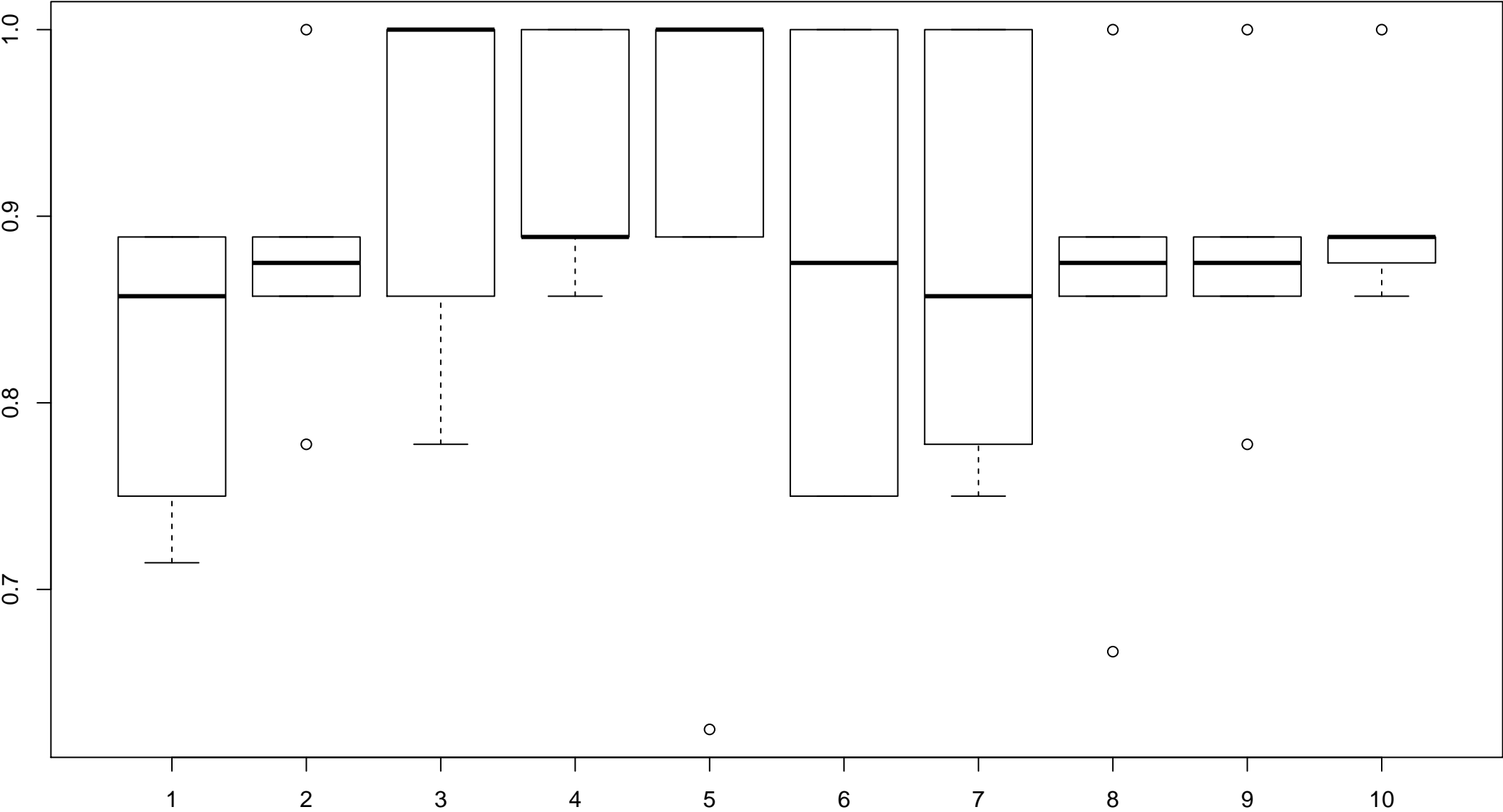
# Specificity $TN/(TN+FP)$

Random Forest (10x 5-fold CV)

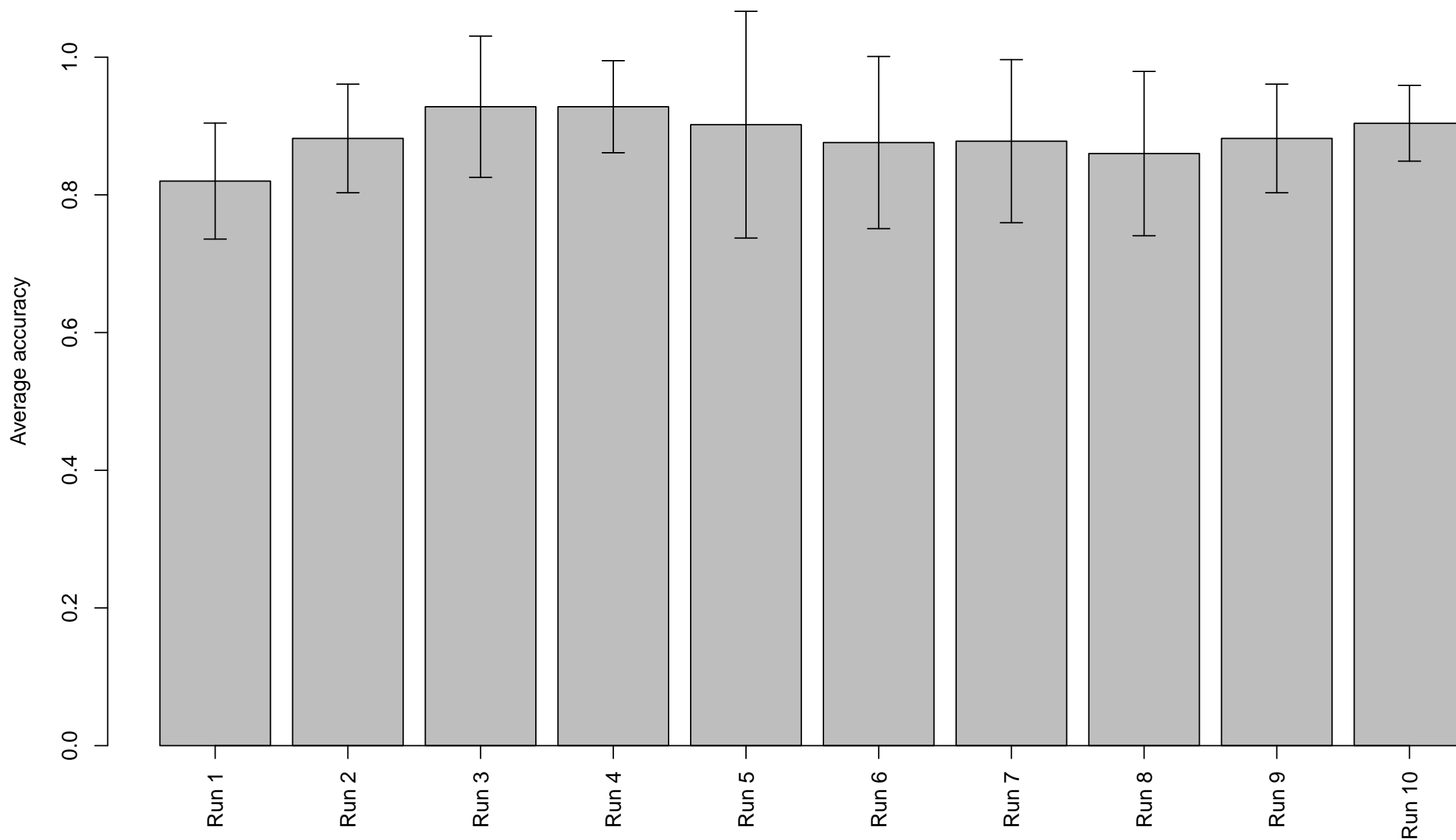
Mean of specificity =  $0.94 \pm 0.02$

	<b>Fold 1</b>	<b>Fold 2</b>	<b>Fold 3</b>	<b>Fold 4</b>	<b>Fold 5</b>
<i>Run 1</i>	1	0.8	1	0.75	1
<i>Run 2</i>	1	0.8	1	1	1
<i>Run 3</i>	0.75	1	1	1	1
<i>Run 4</i>	1	1	0.8	1	1
<i>Run 5</i>	0.8	1	1	1	0.8
<i>Run 6</i>	1	0.8	1	0.75	1
<i>Run 7</i>	0.75	1	1	1	0.8
<i>Run 8</i>	1	1	1	1	0.6
<i>Run 9</i>	1	1	0.8	1	1
<i>Run 10</i>	1	1	1	1	0.8

Distribution of RF accuracies  
over 10x 5-fold CV  
Grand mean =  $0.89 \pm 0.03$



**Average accuracy  
(10x 5-fold CV)  
Grand mean = 0.89 ± 0.03**



### RF – Condition – Feature importances

