

Start RapidMiner, and choose *File* and *New Process* from the menu. A empty process window should open.

The operators shown in the previous slide can be found in the *Operators* tab. Find each operator using the *Search* function and drag them into the empty process area.



Join operators by clicking on the semi-circles (connections) on the edges of the operator and dragging to the appropriate out connections on other operators. con

Operators that are not currently installed may be download by clicking on the Get more operators from the Marketplace link.

Connections between operators that were created by mistake can be removed by clicking on the connection and pressing Delete.



These are the parameters for the Read CSV operator.

The parameters tab is normally located to the right of the RapidMiner window.

Set the parameters for this operator as shown here.

Parameters ×	
📩 Read CSV	
🎾 Import Confi	guration Wizard
csv file	iris.csv
column separators	, ①
✓ use quotes	Ð
quotes character	•
skip comments	Ð
✓ parse numbers	Ð
decimal character	•
grouped digits	Ð
date format	Enter value
✓ first row as names	Ð
Show advanced parameters Change compatibility (8.1.001)	

Set Role
a exa ori

Parameters ×	
📝 Set Role	
attribute name	Species 🔻 🗊
target role	label 🔻 🗊
set additional roles	🕞 Edit List (0) 🛈
Change compatibility (8.1.001)	



Parameters	×			
🍸 Split Data				
partitions			Edit Enumeration (2)	٦
sampling type			automatic	•
	E	Edit Paramete	er List: partitions	
	Edit Pa The pa	rameter List: rtitions that sh	partitions hould be created.	
ratio				
0.7				
0.3				
<u>A</u> d	d Entry	Remov	ve Entry <u>V</u> OK <u>C</u> ancel	
Show advance	ced parar	<u>meters</u>		



Parameters ×	
P Decision Tree	
criterion	information_gain Image: Constraint Image: ConstraImate: Cons
maximal depth	5
✓ apply pruning	Ð
confidence	0.25
apply prepruning	Ð



Parameters ×				
% Performance (Performance (Classification))				
main criterion	first	•		
✓ accuracy		Œ		
classification error		٦		
🖌 kappa		٦		
weighted mean recall		۵ =		
weighted mean precision		٢		
spearman rho		٢		
kendall tau		١		
absolute error		1		
relative error		١		
relative error lenient		٢		
relative error strict		٢		
normalized absolute error		٢		
root mean squared error		1		
Show advanced parameters	5			

Example in RapidMiner - Results



Example in RapidMiner - Results



Recall is also called sensitivity, particularly in medical applications