

Rst Example

Detlef Groth, University of Potsdam, Germany

2023-03-10

The text below will contain the following examples:

- Tcl code blocks
- Tcl inline codes
- R code blocks using the pipe filter
- R inline codes
- GraphViz Dot code blocks
- Kroki code blocks

This document was created using the following command line:

```
pandoc sample.rst --filter pantcl -o sample-rst.html -s \  
  --metadata-file sample.yaml
```

For pdf creation we used a command line like this:

```
pandoc sample.rst --filter ../pantcl.tcl -o sample-rst.pdf --metadata \  
  documentclass=scrartcl --metadata-file sample.yaml
```

Here the source code of the rst-document: <https://raw.githubusercontent.com/mittelmark/pantcl/main/tests/sample.rst>

Tcl Code

Let's now try Tcl code blocks:

```
set x 1  
puts $x  
incr x
```

1
2

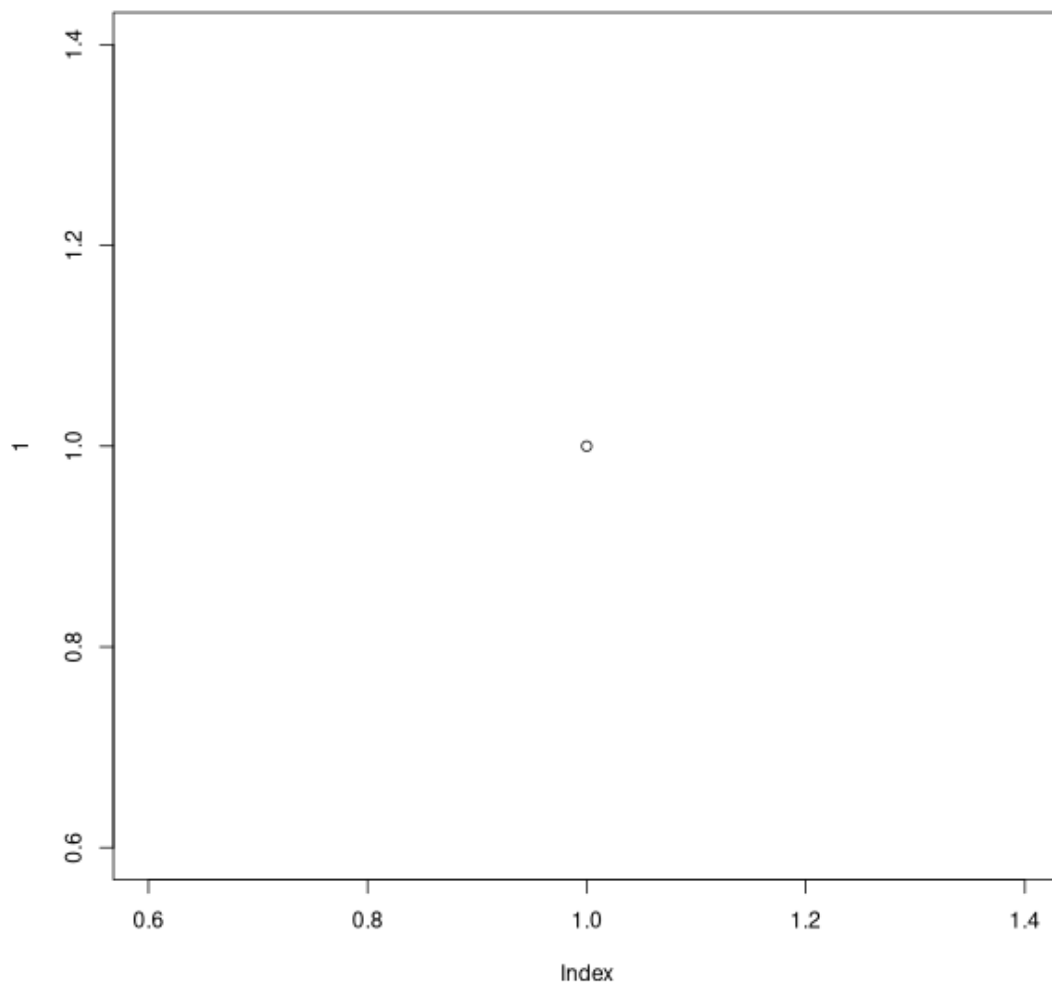
Now some more text with inline Tcl x is now 2!

R Code

Now some R code:

```
r = 1
print(r)
plot(1)

[1] 1
null device
      1
```



For more fine tuned output it is recommend to use the pipe filter like this:


```
> print(x)
[1] 2
```

OK, this should display a two even if x was declared in the previous chunk.

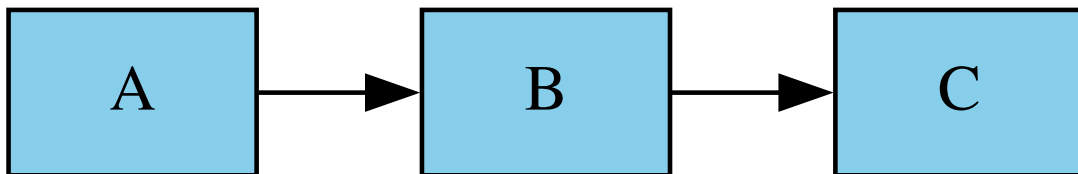
GraphViz dot example

Let's continue with a GraphViz dot example:

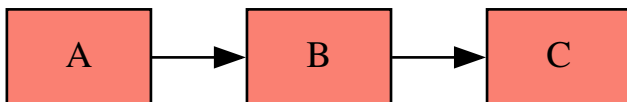
```
digraph g {
  A -> B ;
}
```

Kroki example

```
digraph g {
  graph[size="8.0,4.0!",scale="3.0!"];
  rankdir="LR";
  node[style=filled,fillcolor=skyblue,shape=box];
  A -> B -> C;
}
```



Now an example where we hide the source code which should be normal if we like only to show the image but not the code:



That's the end of this short example on how to use Rst files with some of the pantel filters.