## The **tikzDevice** Package

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## 1 Introduction

The tikzDevice package allows for graphics output in native IATEX format. That is, the output of the tikz() function can be directly included in IATEX documents by way of and \input{} statement. For example, in R

```
require(tikzDevice)
tikz('simpleEx.tex',width=3.5,height=3.5)
plot(1)
dev.off()
```

And then in a LATEX document

```
\documentclass{article}
\usepackage{tikz}
\begin{document}
    \begin{figure}[!h]
    \centering
    \input{simpleEx.tex}
    \caption{Simple Example}
    \end{figure}
\end{document}
```

And you get

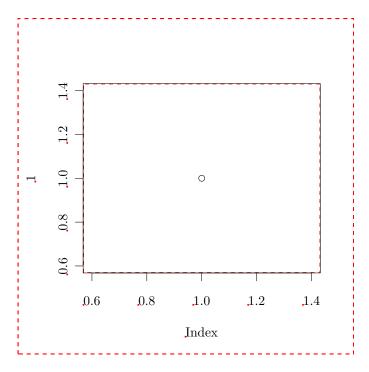


Figure 1: Simple Example

## 2 Background

About TikZ, the PicT<sub>F</sub>X device and the story of two fortran programmers with a dream.

- 3 System Requirements
- 4 Character Metrics and String Width
- 4.1 Dictionaries
- 4.2 What the Heck are Acent, Decent and Width
- ${\bf 5}\quad {\bf On\ the\ Importance\ of\ Font\ and\ Style\ Consistancy\ in\ Reports}$
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