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YSSP Working Paper **WP-yy-nnn**

Line One of Title: Line Two After Linebreak or Use Only Line1 and Allow Title to Break Automatically

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Foreword

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Acknowledgments

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About the Authors

Hadi

Some text about the first author. Edit or remove this text.

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Some text about the second author. Edit or remove this text.

Abstract

This template demonstrates some of the basic you'll need to create your IIASA Working Paper or YSSP report combining R markdown and LaTex.

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Line One of Title: Line Two After Linebreak or Use Only Line1 and Allow Title to Break Automatically

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1 Introduction

Markdown documents are fully reproducible and work with several programming languages (e.g. Python, SQL), for more details see [1, 2].

2 Code formatting

2.1 Using Latex commands

Use the latex commands:

- Programming language R
- Package or library **plyr**
- Code snippets `print("abc")`

2.2 Using code chuncks

Code can be inserted in the text using grave accent (`), e.g. `x=1`, or in markdown blocks, such that

```
> x <- seq(1, 10, length.out = 100)
> round(x,2)
```

```
  [1]  1.00  1.09  1.18  1.27  1.36  1.45  1.55  1.64  1.73  1.82  1.91
 [12]  2.00  2.09  2.18  2.27  2.36  2.45  2.55  2.64  2.73  2.82  2.91
 [23]  3.00  3.09  3.18  3.27  3.36  3.45  3.55  3.64  3.73  3.82  3.91
 [34]  4.00  4.09  4.18  4.27  4.36  4.45  4.55  4.64  4.73  4.82  4.91
 [45]  5.00  5.09  5.18  5.27  5.36  5.45  5.55  5.64  5.73  5.82  5.91
 [56]  6.00  6.09  6.18  6.27  6.36  6.45  6.55  6.64  6.73  6.82  6.91
 [67]  7.00  7.09  7.18  7.27  7.36  7.45  7.55  7.64  7.73  7.82  7.91
 [78]  8.00  8.09  8.18  8.27  8.36  8.45  8.55  8.64  8.73  8.82  8.91
 [89]  9.00  9.09  9.18  9.27  9.36  9.45  9.55  9.64  9.73  9.82  9.91
[100] 10.00
```

The chunk can also include plot commands, which crete and insert the figures in the the text, such as Figure 1 produced by the following chunk

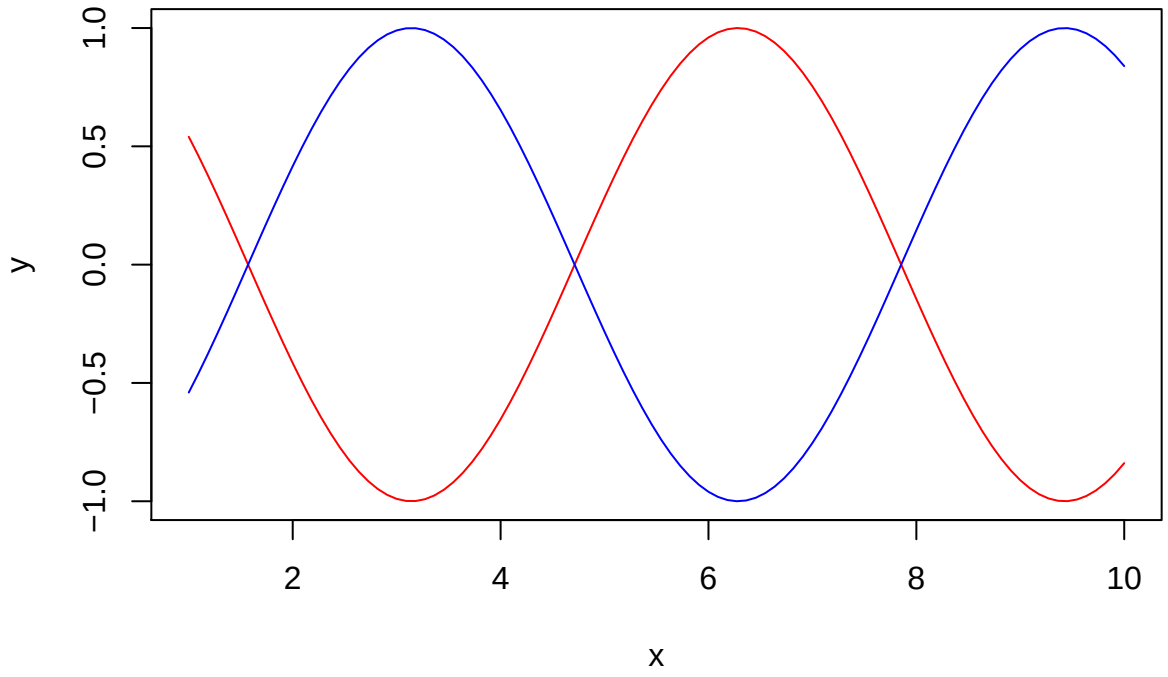

Figure 1: R plot example. For LaTex code in the caption use double backslash \\.

```
> y <- cos(x)
> plot(x, y, type = "l", col = "red")
> lines(x, -y, col = "blue")
```

For more details see the package vignette and the following web tutorials http://rmarkdown.rstudio.com/index.html and https://guides.github.com/features/mastering-markdown/.

References

[1] RStudio. R markdown for rstudio, 2016. URL http://rmarkdown.rstudio.com/.

[2] GitHub. Mastering markdown, 2014. URL https://guides.github.com/features/mastering-markdown/.