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## A Capitalized Title: Something about a Package foo

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### Abstract

The abstract of the article.

*Keywords:* keywords, not capitalized, Java.

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## 1. Introduction

This template demonstrates some of the basic LaTeX that you need to know to create a JSS article.

### 1.1. Code formatting

In general, don't use Markdown, but use the more precise LaTeX commands instead:

- Java
- `plyr`

One exception is inline code, which can be written inside a pair of backticks (i.e., using the Markdown syntax).

If you want to use LaTeX commands in headers, you need to provide a `short-title` attribute. You can also provide a custom identifier if necessary. See the header of Section 2 for example.

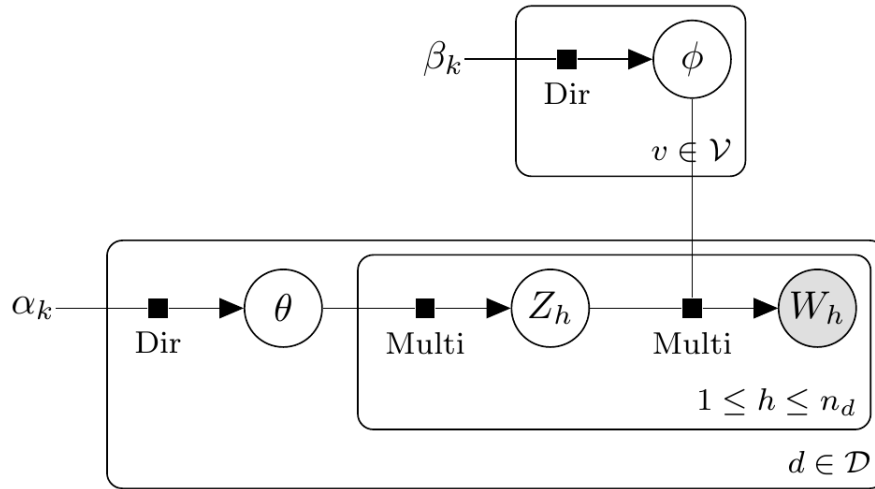


Figure 1: Graphical model of a simple LDA. Gray circles are variables whose values are known, whereas white circles are latent variables whose values are unknown.  $\theta$  and  $\phi$  are the  $|D| \times K$  and  $K \times |V|$  matrices, respectively;  $Z$  is a vector to record topics words,  $W$ , in document  $d$ ;  $d$  is one of the documents  $d \in D$ ;  $v$  is one of the unique words  $v \in V$  in the corpus.

## 2. R code

$$a = x$$

Can be inserted in regular R markdown blocks.

```
R> x <- 1:10
R> x
```

```
[1] 1 2 3 4 5 6 7 8 9 10
```

### 2.1. Features specific to rticles

- Adding short titles to section headers is a feature specific to **rticles** (implemented via a Pandoc Lua filter). This feature is currently not supported by Pandoc and we will update this template if **it is officially supported in the future**.
- Using the `\AND` syntax in the `author` field to add authors on a new line. This is a specific to the `rticles::jss_article` format.

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