

Color the stan code chunk directly in Rmd

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Contents

```
library(devtools)
```

```
## Loading required package: usethis
```

```
# install_github('jr-packages/stanhl')
```

```
# Note: this is only for python3; need to first install `pip3 install Pygments`;  
# and `xcode-select --install`
```

```
library(stanhl)
```

This piece of code is from the source code of `install_github('jr-packages/stanhl')`, and I simply extract the necessary functions. You do not need to install the repository, but directly make use of the functions inside Rstudio.

You can also put the following piece in an R script and source it at the beginning of your Rmd script. This will create a **highlight.tex** file in the current working directory. With this, you are able to color your stan code.

```
data{  
  int N; // number of observations  
  int H; // number of observed head  
}  
parameters{  
  real<lower=0, upper=1> p; // parameter for binomial distribution  
}  
model{  
  // you can also specify the prior here.  
  // If you leave it empty, it will use a flat or uniform prior  
  p ~ uniform(0, 1);  
  H ~ binomial(N, p); // likelihood func  
}
```