The Music by Me

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kn	itr::opts_chunk\$set(warning = FALSE, message = FALSE)	

1 Introduction

This is *the* data analysis of **songs**.

2 Material

The data is online:

```
link1 <- "http://kris.shaffermusic.com/media/MSDSubset-extracted-data.csv"
link2 <- "http://kris.shaffermusic.com/media/MSDSubset-topics.csv"</pre>
```

We use a bunch of packages:

3 Methods

We wrote two functions:

```
#' This is the function that gets the data from the web
gather_music_data <- function(web_link1,web_link2){
   if( ! is.character(web_link1)) stop("I want an URL!")
   if( ! is.character(web_link2)) stop("I want an URL!")

if( ! url.exists(web_link1)) stop("Internet no good")
   if( ! url.exists(web_link2)) stop("Internet no good")

#' Use url.exists() to check if a web link exists or not
   #' and if not, stop.</pre>
```

and the other function:

4 Results

We got the data:

```
all_data <- gather_music_data(link1,link2)
```

we plotted it:

```
music_plotter(all_data, "year", "loudness", "mode", do_smooth = TRUE)
```

