

# Rchestra Vignette

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## 1 Introduction

Have you ever coded in R silently, wishing that you could launch music from your R console. Your wait is over. **Rchestra** is live.

### 1.1 Instructions

- You can use the **devtools** package to grab the **Rchestra** package off github
- Install the package and load it into your instance of R
- Play Songs

```
# install.packages('devtools')
library('devtools')
install_github('Rchestra', username = "ysamwang")
library('Rchestra')
play_song("Hello Adele")
```

## 2 Use Cases

Here are three extremely compelling use cases for the **Rchestra** package. If you can come up with others, feel free to fork and send a pull request.

### 2.1 Simulations

Say you're running some simulations that could take a while. Slip a few lines of code into your loop to make sure you know when your computations are almost done. Meanwhile, as the last simulation is running, get yourself hyped up to see your results.

```
num.sims <- 1000
for(i in 1:num.sims){
  if(i == num.sims){
    play_song("Final Countdown Europe")
  }

  ##### Simulation #####
  # ...
  # ...
  ##### End of Simulations #####
}
```

## 2.2 Errors

Say you've been debugging for hours and you're slowly wasting away with each new error you find. Change your R options to pick yourself up with a little bit. Each time you hit a non-fatal error, **Rchestra** will play a song from a carefully curated playlist.

```
options(error = error_songs())

thisVariableDoesNotExist

'strings cant be added to numbers' + 2
```

## 2.3 Collaborators

Say you're working with a collaborator who's a fan of Rick Astley. Next time you share you're code...

```
#### Lines and Lines of undocumented, poorly formatted code ####
#### Lines and Lines of undocumented, poorly formatted code ####
play_song("Never Gonna Give You Up Rick Astley")
#### Lines and Lines of undocumented, poorly formatted code ####
#### Lines and Lines of undocumented, poorly formatted code ####
```