

# Extracting Interview Recordings

Macquarie University

Jack Mathieson

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# The Problem...Time

Issues with transcribing interview recordings:

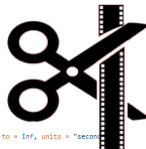
- Take too much time to listen to
- Usually cost per hour to transcribe by transcription services.
- Most interviews only yield a small but vital piece of information captured in only a few minutes



What is needed is a way to find the key moments in a recording and only send THAT short extraction to be transcribed.

# The Solution: Extract with R

Over the past semester I developed a simple code to extract the desired section of recording from an audio file. The code reads on Wav and MP3 files and is used in Rstudio.



[ib.com/MQ-FOAR705/Jack-Mathieson-PoC-R-Script/blob/master/Extract%20Recording%20Wav%20and%20MP3.R](https://ib.com/MQ-FOAR705/Jack-Mathieson-PoC-R-Script/blob/master/Extract%20Recording%20Wav%20and%20MP3.R)

37 lines (32 sloc) | 1.28 KB

```
1 #FOAR705DigitalHumanities, Jack Mathieson, Student ID: 44686689, 18/Nov/2019
2 #Commands to extract a section of recording from a larger Wav. or MP3. file.
3
4 #set working directory to desired file
5
6 #setup packages
7 install.packages("audio")
8 install.packages("seewave")
9 install.packages("tidyverse")
10 install.packages("tuneR")
11 library(audio)
12 library(seewave)
13 library(tidyverse)
14 library(tuneR)
15
16 #extracting section from Wav. file
17 Rec.Extract1 <- readWave("filename.wav", from = 1, to = Inf, units = "seconds")
18 Rec.Extract1
19 export(Rec.Extract1)
20 saveWave(Rec.Extract1)
21
22 #extracting from MP3. file
23 Rec.Extract2 <- readMP3("filename.mp3")
24 export(Rec.Extract2)
25 saveWave(Rec.Extract2)
26 Rec.Extract2 <- readWave("Rec.Extract2.wav", from = 1, to = Inf, units = "seconds")
27 Rec.Extract2
```

# Example Procedure

- ❶ Record Interview
  - ❶ bookmark significant times
- ❷ Download Recording
- ❸ Execute Code in Rstudio
  - ❶ insert bookmarked time slots
  - ❷ execute code according to mp3 or Wav file
- ❹ Transcribe Extracted Recording
- ❺ **Transcription Ready**

Shorter, Cheaper, Sharper

## Image References

-<https://www.r-project.org/logo/>

-<http://clipartbarn.com/money-sign-clip-art7199/>

-<https://publicdomainvectors.org/en/free-clipart/Wall-clock-silhouette/57274.html>

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[https://www.iconfinder.com/icons/2085385/gardening\\_growing\\_plant\\_plant\\_g](https://www.iconfinder.com/icons/2085385/gardening_growing_plant_plant_g)

-<https://apkpure.com/video-cutter-trim-cut-video/com.ivideocuttertrimmer.cutvideo>

-<https://github.com/MQ-FOAR705/Jack-Mathieson-PoC-R-Script/blob/master/Extract>