**INSTRUCTIONS FOR CORNELIA’S WORKSHOP ON R PACKAGE**

Please download and install the following 2 packages if you haven’t done so already:

[R](https://cran.ma.imperial.ac.uk/) from [https://cran.ma.imperial.ac.uk](https://cran.ma.imperial.ac.uk/)

[RStudio](https://rstudio.com/products/rstudio/download/) (free version) from <https://rstudio.com/products/rstudio/download/>

**Next steps**

**1) Download the Melody Features folder**

Open the following URL in your browser:

<https://github.com/cmetzig/MelodyFeatures>

**2) Save the Melody Features folder**

Click green button that says CODE, the window that opens has the option 'DownloaD ZIP' at the bottom, select that and download it. Save it to a location that you can find it again. You will need to unzip it in the process.

**3) Set the Working Directory**

Open Rstudio programme. Set the working directory by clicking the tab entitled Session -> Set Working Directory -> Choose Directory -> [navigate to where you have saved the folder MelodyFeatures-master]->Open

This path should now appear in the top line of the Console [lefthand window] in RStudio

**4) Install packages**

Copy and paste the following instruction at the prompt > within Console in RStudio:

install.packages("tuneR")

Press enter

####################FOR WINDOWS USERS ##############################

**5) Installation of Rtools**

5a) Go to the following website and install and install the 64 bit version (a .exe file) of Rtools onto your machine:

https://cran.r-project.org/bin/windows/Rtools/

5b) Copy and paste the following instruction into the console of Rstudio at the prompt >

writeLines('PATH="${RTOOLS40\_HOME}\\usr\\bin;${PATH}"', con = "~/.Renviron")

Press enter

5c) Close RStudio (click on top right x) and and restart it. Set working directory again – step

3 above then see step 6 below

you should now have set the path for a function called ‘make’ which you can control by typing

Sys.which("make")

(then press enter)

It should give you

## "C:\\rtools40\\usr\\bin\\make.exe"

######################## FOR MAC USERS ####################################

5) type in the Rstudio console (bottom left window) the following comments, each followed by enter

install.packages("devtools")

install.packages("tuneR")

library(devtools)

########### FOR ALL ######################################################

**6) Install MelodyFeatures examples**

6a) click on the tab Rstudio Tools → Install Packages →‘Install from’ and then select the option ‘Package Archive File (.tar.gz)’ (not the option that says from CRAN) – use the little arrow to the right of the dialogue box to bring up the ‘Package Archive File…’ option

6b) It will ask you which file, and you need to navigate to and select the file "MelodyFeatures\_1.0.tar.gz" [it may not show the gz part of the filename] - click open

6c) click on 'install'

if the word DONE appears at the end, you were successful! Don’t worry if not though – we will go through it in the workshop.

Please feel free to contact me directly if you are having any problems – Mobile: +44 7510 991224 or [cornelia.metzig@hotmail.com](mailto:cornelia.metzig@hotmail.com)

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