

심리과학을 위한 

연세대학교 심리학과

Plan

Day 1 Introduction to R & RStudio

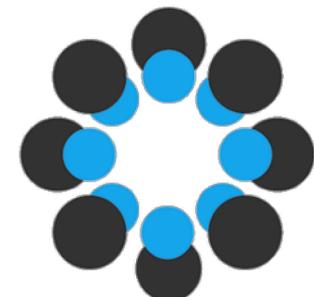
Day 2 Old Data Manipulation(for-loop, indexing)
Linear Model(lm)

Day 3 New Data Manipulation (tidyverse)
Linear Mixed Model (afex)
Open Science Practice (rmarkdown)



<https://cran.r-project.org>

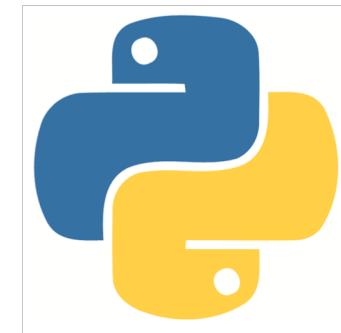
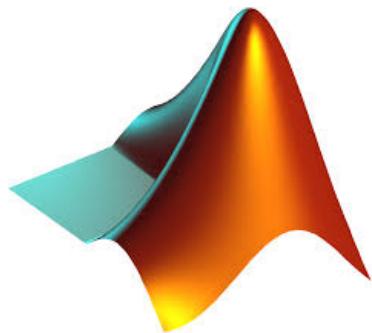
Why R?



OPEN ACCESS

The text "OPEN ACCESS" is displayed, with an orange padlock icon in the center where the keyhole would be, symbolizing open access to data or resources.

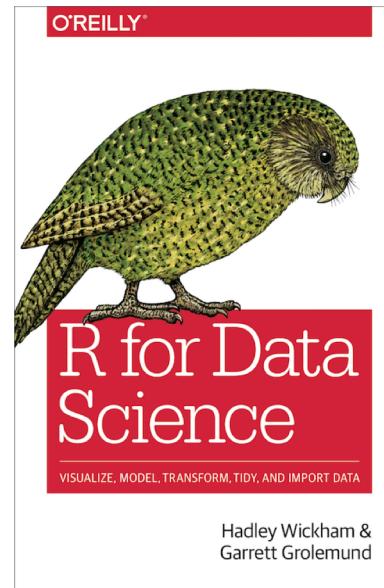
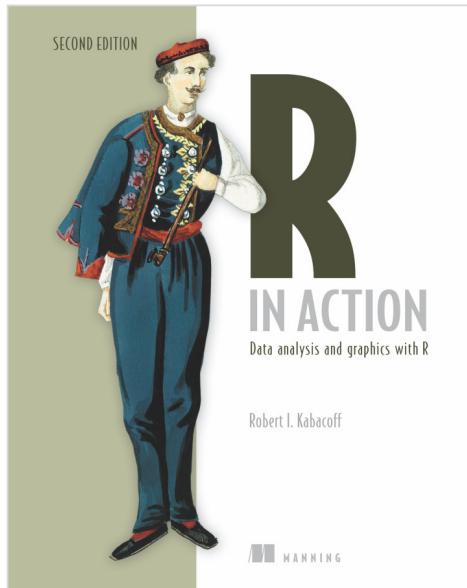
Why ?







Resource



[Introduction to R](#)
[\(Monash Bioinformatics Platform\)](#)

Google



<https://www.rstudio.com>

rstudio.cloud

Workshop Materials



<https://github.com/cogneuro/rworkshop2019>

원자료

SID	Trial	Cond	...	Pref
1	1	1		0
1	2	1		1
...
1	30	2		1
2	1	1		1
2	2	1		0
...
2	18	2		0
3	1	1		1
3	2	1		1
...
3	11	2		1
...
30	1	1		1
30	2	1		1
...
30	25	2		0

Two-Step Summary

1차 요약 자료

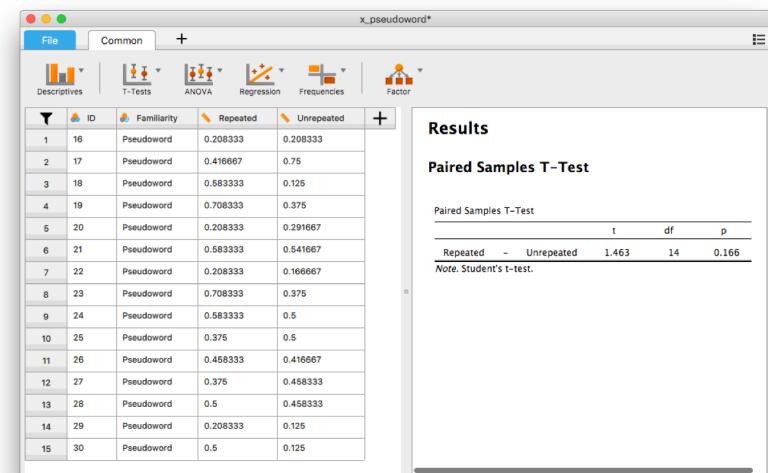
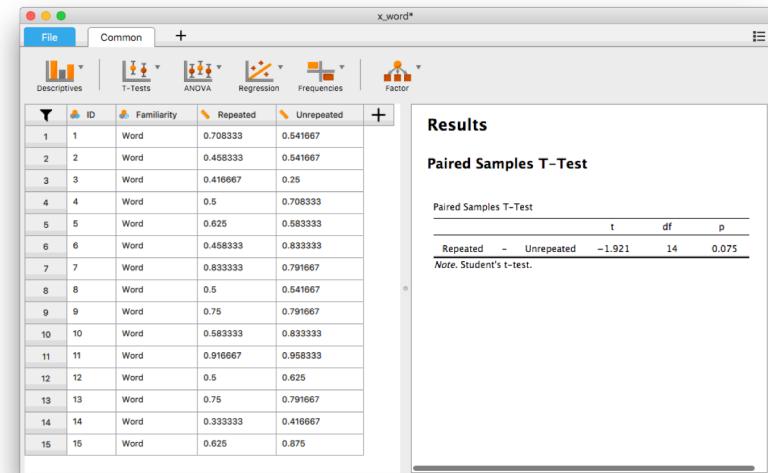
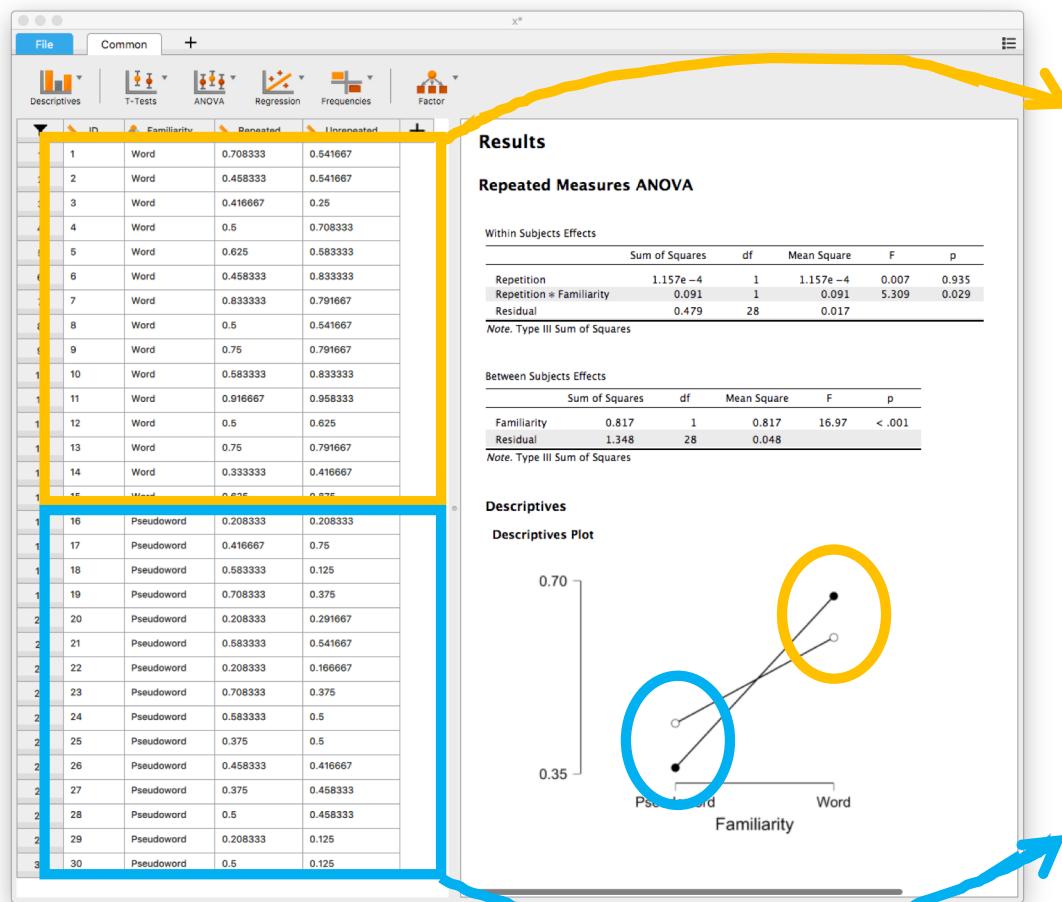
SID	Cond1	Cond2
1	0.56	0.73
2	0.43	0.61
3	0.71	0.59
...
30	0.26	0.38

2차 요약 자료

Cond1	Cond2
0.49	0.58

정확하지 않고 번거롭기까지 하다

Data Splitting



Data Format

Wide Format

SID	W-Rep	W-Unr	P-Rep	P-Unr
1	0.21	0.81	-	-
2	0.57	0.74	-	-
3	-	-	0.48	0.61
4	-	-	0.36	0.81

SPSS/JASP

SID	Familiarity	Rep	Unrep
1	Word	0.21	0.81
2	Word	0.57	0.74
3	Pseudo	0.48	0.61
4	Pseudo	0.36	0.81

Long Format

SID	Cond	Pref
1	W-Rep	0.21
1	W-Unr	0.81
2	W-Rep	0.57
2	W-Unr	0.74
3	P-Rep	0.48
3	P-Unr	0.61
4	P-Rep	0.36
4	P-Unr	0.81

SID	1번	2번	3번	4번
1				



SID	문항	응답
1	1번	
1	2번	
1	3번	
1	4번	

<https://r4ds.had.co.nz/tidy-data.html>

F1/F2 Analysis

