

Interrater-Reliability_P3.46.10

Kristen Johnson

2025-03-04

```
# read in the two coded transcripts
## be sure to change initials for each coder
JB_codes<- read_excel('/Users/kristenjohnson/KristenWorkingDirectory/Play_Narrative/Interrater Reliability/Interrater Reliability JB Codes.xlsx')

KJ_codes <- read_excel('/Users/kristenjohnson/KristenWorkingDirectory/Play_Narrative/Interrater Reliability/Interrater Reliability KJ Codes.xlsx')

# combine datasets into one
coded_combined <- cbind(JB_codes, KJ_codes)

# create new columns for "both" and "either"
## don't forget to change column names according to coder
coded_combined <- coded_combined %>%
  mutate(
    both_ones = ifelse(c_pret_JB == 1 & c_pret_KJ == 1, 1, 0),
    either_one = ifelse(c_pret_JB == 1 | c_pret_KJ == 1, 1, 0)
  )

# change any NA value in both and either columns to 0
coded_combined[, c("both_ones", "either_one")] <- lapply(coded_combined[, c("both_ones", "either_one")], function(x) {
  x[is.na(x)] = 0
})

# generate interrater reliability score
IRR_score <- sum(coded_combined$both_ones)/sum(coded_combined$either_one)

print(IRR_score)

## [1] 0.6026201
```