Interrater-Reliability_P3.93.10

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2025-03-04

Load necessary libraries

read in the two coded transcripts

```
## be sure to change initials for each coder
JB_codes<- read_excel(here("PN_InterraterReliability", "Coded_P3_H10", "P3.93.10_COMPLETE_JB_Final.xls")

#MCV_codes<- read_excel('~/KristenWorkingDirectory/Play_Narrative/PN_InterraterReliability/Coded_P3_H10

KJ_codes <- read_excel(here("PN_InterraterReliability", "Coded_P3_H10", "P3.93.10_COMPLETE_KJ_Final.xls
```

if need be, troubleshoot column name discrepancies

```
# rename c_pret to lowercase only
#colnames(JB_codes)[colnames(JB_codes) == "C_pret_JB"] <- "c_pret_JB"
```

get instances of pretend play (c_pret columns)

combine datasets into one

```
coded_combined <- cbind(JB_codes, KJ_codes) ## be sure to change initials for each coder!
#coded_combined <- cbind(MCV_codes, KJ_codes)
```

create columns to assist in calculating IRR

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

make sure everything is numerical

```
# 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")]
```

generate interrater reliability score

```
# divide all instances of pretend play by overlap of pp instances
IRR_score <- sum(coded_combined$both_ones)/sum(coded_combined$either_one)

print(IRR_score)
```

```
## [1] 0.9473684
```