signdata-combined

```
# load libraries and data
library(tidyverse)
library(readxl)
library(stringr)
eval_senses <- read_excel("semeval2007.gold.key.xlsx")</pre>
asl_lex <- read_excel("signdata.xlsx")</pre>
glimpse(eval_senses)
Rows: 455
Columns: 1
$ WordKey <chr> "d000.s000.t000 refer%2:32:01::", "d000.s000.t001 research%1:0~
glimpse(asl_lex)
Rows: 2,723
Columns: 6
                              <chr> "tree", "night", "hamburger", "nephew", "c~
$ EntryID
                              <chr> "A_01_002", "A_01_003", "A_01_004", "A_01_~
$ Code
                              <chr> "Noun", "Noun", "Noun", "Noun", "A~
$ LexicalClass
$ SignBankAnnotationID
                              <chr> "TREE", "NIGHT", "HAMBURGER", "NEPHEW", "C~
$ SignBankEnglishTranslations <chr> "forest, nature, plant, tree, woods", "nig~
                              <dbl> 342, 199, 1844, 3011, 2471, 2940, 388, 131~
$ SignBankReferenceID
#filter asl_lex nouns and verbs only
#rename columns to match
noun_verbs <- asl_lex |>
  rename(WordKey = EntryID) |>
 filter(LexicalClass == "Noun" | LexicalClass == "Verb")
```

```
#inner join eval_senses and asl_lex noun_verbs

use_data <- inner_join(nv_long, eval_senses, by = "WordKey") |>
    distinct()

glimpse(use_data)
```