

Cognitive Load Theory

```
# join_all(["red", "green", "blue"]) => "redgreenblue"
define join_all(list_of_words):
    joined_words = ""
    for each word in list_of_words:
        joined_words += word
    return joined_words
```

Parsons Problems

```
# data columns are (est1970, hi1970, lo1970, est1971, hi1971, lo1971, ...)  
# Use this function to produce (year, est, hi, lo) for one year given the index  
# of the first column.
```

```
strip <- function(data, start, year) {  
  rename(estimate = 1, hi = 2, lo = 3)  
  select(data, start:(start + 2))  
  select(year, everything())  
  mutate(year = rep(year, num_rows))  
}
```