Advent of Code 2020

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Day 6: Custom Customs

https://adventofcode.com/2020/day/6

```
input = tibble(x = readLines("inputs/06-input.txt"))
```

Part 1

```
# anyone answered "yes"
part1 = input %>%
  mutate(group = cumsum(x == "")) %>%
  group_by(group) %>%
  summarise(all_responses = paste0(x, collapse="")) %>%
  mutate(unique_questions = lapply(strsplit(all_responses, ""), unique)) %>%
  rowwise() %>%
  mutate(questions_answered = length(unique_questions))

sum(part1$questions_answered)
```

```
## [1] 7128
```

```
# make group column to separate groups of people
# for every group
# combine into one big string of responses
# break up and apply unique
# get number of unique responses by row

# sum # unique questions answered for all groups
```

Part 2

```
# everyone answered "yes"
part2 = input %>%
  mutate(group = cumsum(x == "")) %>%
  filter(x != "") %>%
  mutate(chars = str_split(x, "")) %>%
  group_by(group) %>%
  summarise(questions_everyone_answered = paste0(Reduce(intersect, chars), collapse="")) %>%
  mutate(shared_count = nchar(questions_everyone_answered))
```

```r
sum(part2$shared_count)
```

```
## [1] 3640
```

```r
# make group column to separate groups of people
# remove blank lines
# split each person's responses up
# for every group
# find intersection between responses for each person, combine into string
# find number of characters in string of questions_everyone_answered

# sum # unique questions answered by everyone
```