ds4biomed

Pre-Workshop Exercise

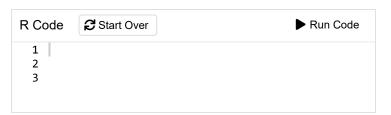
| Exercise 1 |
|------------|
| Exercise 2 |
| Exercise 3 |
| Summative |
| Start Over |

Summative

This is the cmv dataset you will load:

| | ag ⊧ l×dbl> | pric | | | aK <dbl></dbl> | | | _ | negati |
|-----|-----------------------|------|-----|---|-------------------|---|-------|-------|--------|
| 1 | 61 | | | 0 | 1 | 1 | recip | oient | _posit |
| 2 | 62 | | | 1 | 5 | 0 | recip | oient | _nega |
| 3 | 63 | | | 0 | 3 | 0 | NA | | |
| 4 | 33 | | | 1 | 2 | 0 | recip | oient | _posit |
| 5 | 54 | | | 0 | 6 | 0 | NA | | |
| 6 | 55 | | | 0 | 2 | 1 | NA | | |
| 7 | 67 | | | 0 | 1 | 0 | NA | | |
| 8 | 51 | | | 0 | 2 | 0 | NA | | |
| 9 | 44 | | | 1 | 2 | 1 | NA | | |
| 10 | 59 | | | 0 | 4 | 0 | recip | oient | _nega |
| 1-1 | . Previo | us ' | 1 2 | 3 | 4 | 5 | 6 | 7 N | Next |

- 1. Use the readxl library to load the data/cmv.xlsx into a variable, cmv
- 2. Filter the \mbox{cmv} dataset such that only age > 65 are remaining. Save this to a variable, $\mbox{cmv_subset}$.
- 3. Save the cmv_subset variable to a csv file in "data/cmv_subset.csv".



4. Tidy the \mbox{cmv} dataset such that it looks like the \mbox{clean} dataset below. Save the tidy dataset into a varialbe, $\mbox{cmv_tidy}$.

| ID ag <dbl≱dbl></dbl≱dbl> | • | | cm donor_status <dbl×chr></dbl×chr> |
|-------------------------------------|---|---|--|
| 1 61 | 0 | 1 | 1 donor_negativ |
| 2 62 | 1 | 5 | 0 donor_negativ |

1 of 3

ds4biomed

| Pre-Workshop Exercise |
|-----------------------|
| Exercise 1 |
| Exercise 2 |
| Exercise 3 |
| Summative |
| Start Over |

| | ag ⊦ l×dbl> | pri | or.ra | | | aK . <db< th=""><th></th><th></th><th></th><th></th><th>_status</th></db<> | | | | | _status |
|-----|-----------------------|-----|-------|---|---|--|---|---|-----|------|-----------|
| 3 | 63 | | | | 0 | | 3 | 0 | doı | nor_ | _positive |
| 4 | 33 | | | | 1 | | 2 | 0 | doı | nor_ | _negativ |
| 5 | 54 | | | | 0 | | 6 | 0 | doı | nor_ | _positive |
| 6 | 55 | | | | 0 | | 2 | 1 | doı | nor_ | _positive |
| 7 | 67 | | | | 0 | | 1 | 0 | doı | nor_ | _positive |
| 8 | 51 | | | | 0 | | 2 | 0 | doı | nor_ | _positive |
| 9 | 44 | | | | 1 | | 2 | 1 | doı | nor_ | _positive |
| 10 | 59 | | | | 0 | | 4 | 0 | doı | nor_ | _negativ |
| 1-1 | . Previou | ıs | 1 | 2 | 3 | 4 | 5 | 5 | 6 | 7 | Next |



5. In the ${\tt cmv_tidy}$ dataset, calculate the average age for each value of ${\tt cmv}$.



Previous Topic

2 of 3

ds4biomed

Start Over

| Pre-Workshop Exercise | |
|-----------------------|--|
| Exercise 1 | |
| Exercise 2 | |
| Exercise 3 | |
| Summative | |
| | |

3 of 3