quali\_tabelas\_e\_figuras

Tamires

12/01/2022

Tabela sumarizando varáveis

Tabela sumarizando variáveis: agrupadas por 1. espécie, 2. sexo.

df %>%   
 group\_by(species) %>%   
 skim()

Data summary

|  |  |
| --- | --- |
| Name | Piped data |
| Number of rows | 562 |
| Number of columns | 76 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Column type frequency: |  |
| character | 21 |
| Date | 1 |
| factor | 31 |
| numeric | 22 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Group variables | species |

**Variable type: character**

| skim\_variable | species | n\_missing | complete\_rate | min | max | empty | n\_unique | whitespace |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| line | mice | 0 | 1.00 | 1 | 3 | 0 | 328 | 0 |
| line | rat | 0 | 1.00 | 1 | 3 | 0 | 234 | 0 |
| idgeral | mice | 0 | 1.00 | 1 | 4 | 0 | 117 | 0 |
| idgeral | rat | 0 | 1.00 | 1 | 4 | 0 | 81 | 0 |
| id | mice | 0 | 1.00 | 1 | 3 | 0 | 117 | 0 |
| id | rat | 0 | 1.00 | 1 | 3 | 0 | 81 | 0 |
| study\_reference | mice | 0 | 1.00 | 93 | 320 | 0 | 117 | 0 |
| study\_reference | rat | 0 | 1.00 | 97 | 291 | 0 | 81 | 0 |
| authors | mice | 0 | 1.00 | 19 | 236 | 0 | 117 | 0 |
| authors | rat | 0 | 1.00 | 21 | 164 | 0 | 80 | 0 |
| first\_author | mice | 0 | 1.00 | 9 | 21 | 0 | 109 | 0 |
| first\_author | rat | 0 | 1.00 | 9 | 23 | 0 | 80 | 0 |
| title | mice | 0 | 1.00 | 47 | 254 | 0 | 117 | 0 |
| title | rat | 0 | 1.00 | 37 | 179 | 0 | 81 | 0 |
| language | mice | 0 | 1.00 | 7 | 7 | 0 | 2 | 0 |
| language | rat | 0 | 1.00 | 7 | 7 | 0 | 2 | 0 |
| source | mice | 0 | 1.00 | 6 | 9 | 0 | 38 | 0 |
| source | rat | 0 | 1.00 | 6 | 9 | 0 | 29 | 0 |
| outcome | mice | 0 | 1.00 | 19 | 19 | 0 | 1 | 0 |
| outcome | rat | 0 | 1.00 | 19 | 19 | 0 | 1 | 0 |
| treemore\_arms | mice | 239 | 0.27 | 3 | 24 | 0 | 5 | 0 |
| treemore\_arms | rat | 190 | 0.19 | 3 | 28 | 0 | 2 | 0 |
| ctr\_n\_ext | mice | 0 | 1.00 | 1 | 7 | 0 | 36 | 0 |
| ctr\_n\_ext | rat | 0 | 1.00 | 1 | 7 | 0 | 32 | 0 |
| atd\_se | mice | 2 | 0.99 | 1 | 19 | 0 | 291 | 0 |
| atd\_se | rat | 1 | 1.00 | 1 | 19 | 0 | 218 | 0 |
| atd\_n\_ext | mice | 0 | 1.00 | 1 | 7 | 0 | 33 | 0 |
| atd\_n\_ext | rat | 0 | 1.00 | 1 | 7 | 0 | 30 | 0 |
| obs\_design | mice | 328 | 0.00 | NA | NA | 0 | 0 | 0 |
| obs\_design | rat | 233 | 0.00 | 9 | 9 | 0 | 1 | 0 |
| model\_phenotype | mice | 0 | 1.00 | 2 | 61 | 0 | 22 | 0 |
| model\_phenotype | rat | 0 | 1.00 | 2 | 36 | 0 | 26 | 0 |
| cage\_measures | mice | 0 | 1.00 | 2 | 10 | 0 | 16 | 0 |
| cage\_measures | rat | 0 | 1.00 | 2 | 10 | 0 | 16 | 0 |
| animals\_percage | mice | 0 | 1.00 | 1 | 4 | 0 | 18 | 0 |
| animals\_percage | rat | 0 | 1.00 | 1 | 3 | 0 | 15 | 0 |
| bioterium\_lightcycle | mice | 0 | 1.00 | 2 | 13 | 0 | 5 | 0 |
| bioterium\_lightcycle | rat | 0 | 1.00 | 2 | 13 | 0 | 6 | 0 |
| others\_tests | mice | 0 | 1.00 | 2 | 55 | 0 | 21 | 0 |
| others\_tests | rat | 0 | 1.00 | 2 | 80 | 0 | 16 | 0 |
| obs\_quali | mice | 327 | 0.00 | 50 | 50 | 0 | 1 | 0 |
| obs\_quali | rat | 234 | 0.00 | NA | NA | 0 | 0 | 0 |

**Variable type: Date**

| skim\_variable | species | n\_missing | complete\_rate | min | max | median | n\_unique |
| --- | --- | --- | --- | --- | --- | --- | --- |
| year | mice | 0 | 1 | 1986-01-01 | 2017-01-01 | 2011-01-01 | 22 |
| year | rat | 0 | 1 | 1986-01-01 | 2017-01-01 | 2007-01-01 | 25 |

**Variable type: factor**

| skim\_variable | species | n\_missing | complete\_rate | ordered | n\_unique | top\_counts |
| --- | --- | --- | --- | --- | --- | --- |
| country | mice | 0 | 1 | FALSE | 27 | Ind: 71, Jap: 62, Chi: 40, Bra: 30 |
| country | rat | 0 | 1 | FALSE | 30 | Jap: 49, Pol: 19, Bra: 15, Ita: 14 |
| measure\_unit | mice | 0 | 1 | FALSE | 3 | sec: 316, %: 10, cou: 2 |
| measure\_unit | rat | 0 | 1 | FALSE | 3 | sec: 173, %: 36, cou: 25 |
| strain | mice | 0 | 1 | FALSE | 18 | swi: 120, CD-: 80, C57: 33, lac: 19 |
| strain | rat | 0 | 1 | FALSE | 11 | wis: 146, spr: 55, CD-: 7, fli: 7 |
| sex | mice | 0 | 1 | FALSE | 4 | M: 221, F: 59, M a: 29, NA: 19 |
| sex | rat | 0 | 1 | FALSE | 4 | M: 200, F: 18, NA: 9, M a: 7 |
| comparator | mice | 0 | 1 | FALSE | 1 | veh: 328 |
| comparator | rat | 0 | 1 | FALSE | 1 | veh: 234 |
| atd\_type | mice | 0 | 1 | FALSE | 26 | imi: 83, flu: 72, par: 27, des: 21 |
| atd\_type | rat | 0 | 1 | FALSE | 21 | imi: 61, flu: 55, des: 29, ami: 11 |
| atd\_class | mice | 0 | 1 | FALSE | 9 | tri: 135, SSR: 129, SNR: 24, NDR: 12 |
| atd\_class | rat | 0 | 1 | FALSE | 7 | tri: 107, SSR: 90, SNR: 21, tec: 9 |
| treatment\_via | mice | 0 | 1 | FALSE | 5 | IP: 207, ora: 76, gav: 24, sub: 18 |
| treatment\_via | rat | 0 | 1 | FALSE | 10 | IP: 135, ora: 41, sub: 22, gav: 19 |
| fst\_protocol | mice | 0 | 1 | FALSE | 21 | tes: 130, tes: 83, pre: 23, pre: 13 |
| fst\_protocol | rat | 0 | 1 | FALSE | 15 | pre: 184, tes: 20, pre: 5, pre: 4 |
| measurement\_method | mice | 0 | 1 | FALSE | 9 | NA: 180, vid: 59, man: 49, vid: 28 |
| measurement\_method | rat | 0 | 1 | FALSE | 11 | NA: 119, vid: 46, vid: 29, man: 9 |
| rob1 | mice | 0 | 1 | FALSE | 2 | Unc: 325, No: 3, Yes: 0 |
| rob1 | rat | 0 | 1 | FALSE | 2 | Unc: 231, Yes: 3, No: 0 |
| rob2 | mice | 0 | 1 | FALSE | 1 | Yes: 328, Unc: 0 |
| rob2 | rat | 0 | 1 | FALSE | 2 | Yes: 232, Unc: 2 |
| rob3 | mice | 0 | 1 | FALSE | 3 | Unc: 321, No: 6, Yes: 1 |
| rob3 | rat | 0 | 1 | FALSE | 2 | Unc: 232, No: 2, Yes: 0 |
| rob4 | mice | 0 | 1 | FALSE | 3 | Unc: 325, Yes: 2, No: 1 |
| rob4 | rat | 0 | 1 | FALSE | 2 | Unc: 230, No: 4, Yes: 0 |
| rob5 | mice | 0 | 1 | FALSE | 3 | Unc: 298, Yes: 24, No: 6 |
| rob5 | rat | 0 | 1 | FALSE | 3 | Unc: 231, No: 2, Yes: 1 |
| rob6 | mice | 0 | 1 | FALSE | 1 | Unc: 328, Yes: 0 |
| rob6 | rat | 0 | 1 | FALSE | 2 | Unc: 232, Yes: 2 |
| rob7 | mice | 0 | 1 | FALSE | 2 | Unc: 237, Yes: 91 |
| rob7 | rat | 0 | 1 | FALSE | 2 | Unc: 135, Yes: 99 |
| rob8 | mice | 0 | 1 | FALSE | 3 | Yes: 176, Unc: 149, No: 3 |
| rob8 | rat | 0 | 1 | FALSE | 3 | Yes: 146, Unc: 73, No: 15 |
| rob9 | mice | 0 | 1 | FALSE | 3 | Yes: 321, Unc: 6, No: 1 |
| rob9 | rat | 0 | 1 | FALSE | 3 | Yes: 214, No: 14, Unc: 6 |
| rob10 | mice | 0 | 1 | FALSE | 2 | Yes: 323, No: 5 |
| rob10 | rat | 0 | 1 | FALSE | 1 | Yes: 234, No: 0 |
| camarades1 | mice | 0 | 1 | FALSE | 3 | Yes: 297, No: 17, Unc: 14 |
| camarades1 | rat | 0 | 1 | FALSE | 1 | Yes: 234, No: 0, Unc: 0 |
| camarades2 | mice | 0 | 1 | FALSE | 3 | Yes: 167, Unc: 156, Yes: 5 |
| camarades2 | rat | 0 | 1 | FALSE | 2 | Unc: 198, Yes: 36, Yes: 0 |
| camarades3 | mice | 0 | 1 | FALSE | 2 | Yes: 276, No: 52 |
| camarades3 | rat | 0 | 1 | FALSE | 2 | Yes: 164, No: 70 |
| camarades4 | mice | 0 | 1 | FALSE | 2 | No: 238, Yes: 90 |
| camarades4 | rat | 0 | 1 | FALSE | 2 | No: 173, Yes: 61 |
| camarades5 | mice | 0 | 1 | FALSE | 3 | Yes: 240, Unc: 79, No: 9 |
| camarades5 | rat | 0 | 1 | FALSE | 3 | Yes: 148, Unc: 73, No: 13 |
| camarades6 | mice | 0 | 1 | FALSE | 3 | Yes: 323, No: 4, Unc: 1 |
| camarades6 | rat | 0 | 1 | FALSE | 2 | Yes: 232, No: 2, Unc: 0 |
| camarades7 | mice | 0 | 1 | FALSE | 2 | No: 241, Yes: 87 |
| camarades7 | rat | 0 | 1 | FALSE | 2 | No: 150, Yes: 84 |
| camarades8 | mice | 0 | 1 | FALSE | 2 | Yes: 325, No: 3, Unc: 0 |
| camarades8 | rat | 0 | 1 | FALSE | 3 | Yes: 228, No: 5, Unc: 1 |
| camarades9 | mice | 0 | 1 | FALSE | 2 | Yes: 309, No: 19 |
| camarades9 | rat | 0 | 1 | FALSE | 2 | Yes: 225, No: 9 |
| camarades10 | mice | 0 | 1 | FALSE | 3 | No: 188, Yes: 134, Unc: 6 |
| camarades10 | rat | 0 | 1 | FALSE | 3 | No: 119, Yes: 95, Unc: 20 |
| camarades11 | mice | 0 | 1 | FALSE | 2 | No: 324, Unc: 4 |
| camarades11 | rat | 0 | 1 | FALSE | 2 | No: 233, Unc: 1 |

**Variable type: numeric**

| skim\_variable | species | n\_missing | complete\_rate | mean | sd | p0 | p25 | p50 | p75 | p100 | hist |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| seq | mice | 0 | 1.00 | 3.42 | 3.29 | 1.00 | 1.00 | 2.00 | 4.00 | 17.00 | ▇▁▁▁▁ |
| seq | rat | 0 | 1.00 | 3.12 | 3.05 | 1.00 | 1.00 | 2.00 | 4.00 | 18.00 | ▇▁▁▁▁ |
| ctr\_mean | mice | 0 | 1.00 | 172.49 | 70.26 | 37.44 | 123.19 | 168.03 | 220.39 | 447.92 | ▅▇▅▁▁ |
| ctr\_mean | rat | 0 | 1.00 | 146.66 | 72.60 | 7.22 | 76.55 | 166.85 | 198.20 | 437.00 | ▆▅▇▁▁ |
| ctr\_sd | mice | 0 | 1.00 | 30.95 | 25.76 | 2.58 | 13.68 | 23.23 | 41.17 | 175.79 | ▇▃▁▁▁ |
| ctr\_sd | rat | 0 | 1.00 | 28.84 | 20.37 | 1.65 | 11.88 | 24.23 | 37.65 | 101.75 | ▇▇▂▂▁ |
| ctr\_se | mice | 4 | 0.99 | 10.16 | 8.29 | 1.05 | 4.68 | 8.03 | 13.78 | 55.59 | ▇▃▁▁▁ |
| ctr\_se | rat | 1 | 1.00 | 9.40 | 6.78 | 0.84 | 4.14 | 7.80 | 13.10 | 33.31 | ▇▆▃▁▁ |
| ctr\_n\_round | mice | 0 | 1.00 | 9.83 | 6.14 | 1.00 | 6.00 | 8.00 | 10.00 | 50.00 | ▇▂▁▁▁ |
| ctr\_n\_round | rat | 0 | 1.00 | 9.85 | 3.29 | 1.00 | 8.00 | 10.00 | 10.00 | 28.00 | ▁▇▂▁▁ |
| ctr\_n\_corr | mice | 0 | 1.00 | 5.74 | 4.42 | 0.00 | 2.00 | 6.00 | 8.00 | 35.00 | ▇▅▁▁▁ |
| ctr\_n\_corr | rat | 0 | 1.00 | 5.89 | 4.08 | 1.00 | 3.00 | 4.00 | 8.00 | 28.00 | ▇▅▁▁▁ |
| n\_comparisons | mice | 0 | 1.00 | 2.68 | 2.10 | 1.00 | 1.00 | 2.00 | 4.00 | 9.00 | ▇▃▁▂▁ |
| n\_comparisons | rat | 0 | 1.00 | 2.33 | 1.73 | 1.00 | 1.00 | 2.00 | 3.00 | 9.00 | ▇▅▁▁▁ |
| atd\_mean | mice | 0 | 1.00 | 111.08 | 66.32 | 2.02 | 55.80 | 102.05 | 156.92 | 321.19 | ▆▇▆▂▁ |
| atd\_mean | rat | 0 | 1.00 | 102.37 | 65.93 | 4.96 | 47.63 | 94.96 | 146.20 | 388.00 | ▇▆▃▁▁ |
| atd\_sd | mice | 0 | 1.00 | 33.47 | 25.26 | 0.73 | 15.10 | 29.33 | 43.00 | 154.51 | ▇▅▁▁▁ |
| atd\_sd | rat | 0 | 1.00 | 30.67 | 42.48 | 1.55 | 9.65 | 24.67 | 40.09 | 581.00 | ▇▁▁▁▁ |
| atd\_n\_round | mice | 0 | 1.00 | 9.19 | 3.88 | 1.00 | 6.00 | 8.00 | 10.00 | 30.00 | ▃▇▁▁▁ |
| atd\_n\_round | rat | 0 | 1.00 | 9.56 | 2.81 | 4.00 | 8.00 | 10.00 | 10.00 | 21.00 | ▂▇▁▁▁ |
| age | mice | 188 | 0.43 | 85.90 | 94.63 | 28.00 | 42.00 | 56.00 | 63.00 | 390.00 | ▇▁▁▁▁ |
| age | rat | 162 | 0.31 | 94.22 | 78.54 | 45.00 | 59.00 | 65.25 | 91.00 | 585.00 | ▇▁▁▁▁ |
| weight | mice | 95 | 0.71 | 26.13 | 4.61 | 18.00 | 22.50 | 26.50 | 29.00 | 37.50 | ▅▇▇▃▂ |
| weight | rat | 34 | 0.85 | 236.26 | 58.95 | 21.00 | 200.00 | 230.00 | 255.00 | 560.00 | ▁▇▅▁▁ |
| bioterium\_temp | mice | 66 | 0.80 | 22.54 | 1.32 | 20.00 | 22.00 | 23.00 | 23.00 | 25.00 | ▅▆▇▁▃ |
| bioterium\_temp | rat | 74 | 0.68 | 22.25 | 1.37 | 20.00 | 21.50 | 22.00 | 23.00 | 25.50 | ▅▇▃▁▂ |
| bioterium\_umid | mice | 204 | 0.38 | 55.72 | 5.82 | 35.00 | 55.00 | 55.00 | 60.00 | 70.00 | ▁▁▇▁▂ |
| bioterium\_umid | rat | 176 | 0.25 | 55.62 | 6.35 | 45.00 | 50.00 | 55.00 | 60.00 | 70.00 | ▇▇▆▂▂ |
| dose | mice | 15 | 0.95 | 15.27 | 14.66 | 0.10 | 8.00 | 10.00 | 20.00 | 100.00 | ▇▁▁▁▁ |
| dose | rat | 7 | 0.97 | 14.59 | 11.86 | 0.10 | 9.00 | 10.00 | 20.00 | 70.00 | ▇▃▂▁▁ |
| treatment\_duration | mice | 10 | 0.97 | 5.98 | 14.49 | 1.00 | 1.00 | 1.00 | 3.75 | 110.00 | ▇▁▁▁▁ |
| treatment\_duration | rat | 2 | 0.99 | 8.06 | 9.18 | 1.00 | 1.00 | 2.00 | 14.00 | 48.00 | ▇▂▁▁▁ |
| treatment\_freq | mice | 7 | 0.98 | 1.14 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 3.00 | ▇▁▁▁▁ |
| treatment\_freq | rat | 5 | 0.98 | 1.42 | 0.77 | 1.00 | 1.00 | 1.00 | 2.00 | 3.00 | ▇▁▁▁▂ |
| last\_bf\_outcome | mice | 42 | 0.87 | 3.04 | 10.03 | 0.00 | 0.50 | 0.75 | 1.00 | 90.00 | ▇▁▁▁▁ |
| last\_bf\_outcome | rat | 51 | 0.78 | 17.73 | 114.06 | 0.17 | 1.00 | 1.00 | 1.00 | 960.00 | ▇▁▁▁▁ |
| cylinder\_height | mice | 24 | 0.93 | 26.23 | 7.36 | 11.00 | 25.00 | 25.00 | 27.75 | 46.00 | ▁▇▂▁▂ |
| cylinder\_height | rat | 26 | 0.89 | 45.01 | 9.16 | 20.00 | 40.00 | 40.00 | 47.00 | 80.00 | ▁▇▆▁▁ |
| cylinder\_diameter | mice | 29 | 0.91 | 13.05 | 4.18 | 10.00 | 10.00 | 10.00 | 15.00 | 22.50 | ▇▂▁▂▁ |
| cylinder\_diameter | rat | 18 | 0.92 | 20.96 | 5.48 | 14.00 | 18.00 | 20.00 | 22.00 | 73.00 | ▇▁▁▁▁ |
| water\_depth | mice | 7 | 0.98 | 15.04 | 6.28 | 6.00 | 10.00 | 15.00 | 17.00 | 35.00 | ▆▇▃▁▂ |
| water\_depth | rat | 24 | 0.90 | 24.40 | 8.19 | 12.00 | 17.00 | 20.00 | 30.00 | 50.00 | ▇▇▆▃▁ |
| water\_temperature | mice | 18 | 0.95 | 24.53 | 1.66 | 20.00 | 24.00 | 25.00 | 25.00 | 33.00 | ▁▇▁▁▁ |
| water\_temperature | rat | 8 | 0.97 | 24.76 | 0.98 | 20.00 | 24.12 | 25.00 | 25.00 | 27.50 | ▁▁▂▇▁ |

df %>%   
 group\_by(sex) %>%   
 skim()

Data summary

|  |  |
| --- | --- |
| Name | Piped data |
| Number of rows | 562 |
| Number of columns | 76 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Column type frequency: |  |
| character | 21 |
| Date | 1 |
| factor | 31 |
| numeric | 22 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| Group variables | sex |

**Variable type: character**

| skim\_variable | sex | n\_missing | complete\_rate | min | max | empty | n\_unique | whitespace |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| line | F | 0 | 1.00 | 1 | 3 | 0 | 77 | 0 |
| line | M | 0 | 1.00 | 1 | 3 | 0 | 421 | 0 |
| line | M and F | 0 | 1.00 | 1 | 3 | 0 | 36 | 0 |
| line | NA | 0 | 1.00 | 1 | 3 | 0 | 28 | 0 |
| idgeral | F | 0 | 1.00 | 2 | 4 | 0 | 23 | 0 |
| idgeral | M | 0 | 1.00 | 1 | 4 | 0 | 148 | 0 |
| idgeral | M and F | 0 | 1.00 | 1 | 4 | 0 | 18 | 0 |
| idgeral | NA | 0 | 1.00 | 2 | 4 | 0 | 12 | 0 |
| id | F | 0 | 1.00 | 1 | 3 | 0 | 23 | 0 |
| id | M | 0 | 1.00 | 1 | 3 | 0 | 148 | 0 |
| id | M and F | 0 | 1.00 | 1 | 3 | 0 | 18 | 0 |
| id | NA | 0 | 1.00 | 1 | 3 | 0 | 12 | 0 |
| study\_reference | F | 0 | 1.00 | 97 | 253 | 0 | 23 | 0 |
| study\_reference | M | 0 | 1.00 | 93 | 320 | 0 | 148 | 0 |
| study\_reference | M and F | 0 | 1.00 | 132 | 307 | 0 | 18 | 0 |
| study\_reference | NA | 0 | 1.00 | 138 | 221 | 0 | 12 | 0 |
| authors | F | 0 | 1.00 | 31 | 158 | 0 | 23 | 0 |
| authors | M | 0 | 1.00 | 20 | 236 | 0 | 147 | 0 |
| authors | M and F | 0 | 1.00 | 19 | 116 | 0 | 18 | 0 |
| authors | NA | 0 | 1.00 | 30 | 124 | 0 | 12 | 0 |
| first\_author | F | 0 | 1.00 | 9 | 23 | 0 | 23 | 0 |
| first\_author | M | 0 | 1.00 | 9 | 23 | 0 | 138 | 0 |
| first\_author | M and F | 0 | 1.00 | 10 | 19 | 0 | 18 | 0 |
| first\_author | NA | 0 | 1.00 | 9 | 18 | 0 | 12 | 0 |
| title | F | 0 | 1.00 | 37 | 176 | 0 | 23 | 0 |
| title | M | 0 | 1.00 | 37 | 254 | 0 | 148 | 0 |
| title | M and F | 0 | 1.00 | 54 | 175 | 0 | 18 | 0 |
| title | NA | 0 | 1.00 | 66 | 152 | 0 | 12 | 0 |
| language | F | 0 | 1.00 | 7 | 7 | 0 | 2 | 0 |
| language | M | 0 | 1.00 | 7 | 7 | 0 | 3 | 0 |
| language | M and F | 0 | 1.00 | 7 | 7 | 0 | 1 | 0 |
| language | NA | 0 | 1.00 | 7 | 7 | 0 | 1 | 0 |
| source | F | 0 | 1.00 | 6 | 9 | 0 | 19 | 0 |
| source | M | 0 | 1.00 | 6 | 9 | 0 | 38 | 0 |
| source | M and F | 0 | 1.00 | 6 | 9 | 0 | 12 | 0 |
| source | NA | 0 | 1.00 | 6 | 9 | 0 | 13 | 0 |
| outcome | F | 0 | 1.00 | 19 | 19 | 0 | 1 | 0 |
| outcome | M | 0 | 1.00 | 19 | 19 | 0 | 1 | 0 |
| outcome | M and F | 0 | 1.00 | 19 | 19 | 0 | 1 | 0 |
| outcome | NA | 0 | 1.00 | 19 | 19 | 0 | 1 | 0 |
| treemore\_arms | F | 45 | 0.42 | 3 | 24 | 0 | 4 | 0 |
| treemore\_arms | M | 339 | 0.19 | 3 | 28 | 0 | 6 | 0 |
| treemore\_arms | M and F | 22 | 0.39 | 3 | 3 | 0 | 1 | 0 |
| treemore\_arms | NA | 23 | 0.18 | 3 | 3 | 0 | 1 | 0 |
| ctr\_n\_ext | F | 0 | 1.00 | 1 | 7 | 0 | 16 | 0 |
| ctr\_n\_ext | M | 0 | 1.00 | 1 | 7 | 0 | 38 | 0 |
| ctr\_n\_ext | M and F | 0 | 1.00 | 1 | 6 | 0 | 9 | 0 |
| ctr\_n\_ext | NA | 0 | 1.00 | 1 | 6 | 0 | 10 | 0 |
| atd\_se | F | 0 | 1.00 | 1 | 19 | 0 | 73 | 0 |
| atd\_se | M | 2 | 1.00 | 1 | 19 | 0 | 373 | 0 |
| atd\_se | M and F | 1 | 0.97 | 2 | 19 | 0 | 34 | 0 |
| atd\_se | NA | 0 | 1.00 | 1 | 19 | 0 | 24 | 0 |
| atd\_n\_ext | F | 0 | 1.00 | 1 | 7 | 0 | 17 | 0 |
| atd\_n\_ext | M | 0 | 1.00 | 1 | 7 | 0 | 34 | 0 |
| atd\_n\_ext | M and F | 0 | 1.00 | 1 | 6 | 0 | 9 | 0 |
| atd\_n\_ext | NA | 0 | 1.00 | 1 | 6 | 0 | 8 | 0 |
| obs\_design | F | 77 | 0.00 | NA | NA | 0 | 0 | 0 |
| obs\_design | M | 420 | 0.00 | 9 | 9 | 0 | 1 | 0 |
| obs\_design | M and F | 36 | 0.00 | NA | NA | 0 | 0 | 0 |
| obs\_design | NA | 28 | 0.00 | NA | NA | 0 | 0 | 0 |
| model\_phenotype | F | 0 | 1.00 | 2 | 61 | 0 | 12 | 0 |
| model\_phenotype | M | 0 | 1.00 | 2 | 61 | 0 | 35 | 0 |
| model\_phenotype | M and F | 0 | 1.00 | 2 | 18 | 0 | 2 | 0 |
| model\_phenotype | NA | 0 | 1.00 | 2 | 19 | 0 | 3 | 0 |
| cage\_measures | F | 0 | 1.00 | 2 | 8 | 0 | 6 | 0 |
| cage\_measures | M | 0 | 1.00 | 2 | 10 | 0 | 22 | 0 |
| cage\_measures | M and F | 0 | 1.00 | 2 | 8 | 0 | 2 | 0 |
| cage\_measures | NA | 0 | 1.00 | 2 | 2 | 0 | 1 | 0 |
| animals\_percage | F | 0 | 1.00 | 1 | 2 | 0 | 10 | 0 |
| animals\_percage | M | 0 | 1.00 | 1 | 4 | 0 | 21 | 0 |
| animals\_percage | M and F | 0 | 1.00 | 1 | 2 | 0 | 3 | 0 |
| animals\_percage | NA | 0 | 1.00 | 1 | 2 | 0 | 3 | 0 |
| bioterium\_lightcycle | F | 0 | 1.00 | 2 | 13 | 0 | 4 | 0 |
| bioterium\_lightcycle | M | 0 | 1.00 | 2 | 13 | 0 | 6 | 0 |
| bioterium\_lightcycle | M and F | 0 | 1.00 | 2 | 12 | 0 | 3 | 0 |
| bioterium\_lightcycle | NA | 0 | 1.00 | 2 | 13 | 0 | 4 | 0 |
| others\_tests | F | 0 | 1.00 | 2 | 37 | 0 | 10 | 0 |
| others\_tests | M | 0 | 1.00 | 2 | 80 | 0 | 24 | 0 |
| others\_tests | M and F | 0 | 1.00 | 2 | 37 | 0 | 4 | 0 |
| others\_tests | NA | 0 | 1.00 | 2 | 40 | 0 | 6 | 0 |
| obs\_quali | F | 77 | 0.00 | NA | NA | 0 | 0 | 0 |
| obs\_quali | M | 420 | 0.00 | 50 | 50 | 0 | 1 | 0 |
| obs\_quali | M and F | 36 | 0.00 | NA | NA | 0 | 0 | 0 |
| obs\_quali | NA | 28 | 0.00 | NA | NA | 0 | 0 | 0 |

**Variable type: Date**

| skim\_variable | sex | n\_missing | complete\_rate | min | max | median | n\_unique |
| --- | --- | --- | --- | --- | --- | --- | --- |
| year | F | 0 | 1 | 1995-01-01 | 2017-01-01 | 2013-01-01 | 15 |
| year | M | 0 | 1 | 1986-01-01 | 2017-01-01 | 2009-01-01 | 26 |
| year | M and F | 0 | 1 | 1996-01-01 | 2016-01-01 | 2013-01-01 | 10 |
| year | NA | 0 | 1 | 2004-01-01 | 2017-01-01 | 2012-01-01 | 9 |

**Variable type: factor**

| skim\_variable | sex | n\_missing | complete\_rate | ordered | n\_unique | top\_counts |
| --- | --- | --- | --- | --- | --- | --- |
| country | F | 0 | 1 | FALSE | 14 | USA: 16, Bra: 14, Jap: 12, Isr: 6 |
| country | M | 0 | 1 | FALSE | 32 | Jap: 95, Chi: 48, Ind: 42, Pol: 32 |
| country | M and F | 0 | 1 | FALSE | 7 | Ind: 26, Bra: 3, Sau: 2, Spa: 2 |
| country | NA | 0 | 1 | FALSE | 7 | Ind: 14, Den: 4, Jap: 4, Chi: 2 |
| measure\_unit | F | 0 | 1 | FALSE | 3 | sec: 63, %: 8, cou: 6 |
| measure\_unit | M | 0 | 1 | FALSE | 3 | sec: 362, %: 38, cou: 21 |
| measure\_unit | M and F | 0 | 1 | FALSE | 1 | sec: 36, %: 0, cou: 0 |
| measure\_unit | NA | 0 | 1 | FALSE | 1 | sec: 28, %: 0, cou: 0 |
| species | F | 0 | 1 | FALSE | 2 | mic: 59, rat: 18 |
| species | M | 0 | 1 | FALSE | 2 | mic: 221, rat: 200 |
| species | M and F | 0 | 1 | FALSE | 2 | mic: 29, rat: 7 |
| species | NA | 0 | 1 | FALSE | 2 | mic: 19, rat: 9 |
| strain | F | 0 | 1 | FALSE | 12 | swi: 17, CD-: 15, C57: 10, wis: 9 |
| strain | M | 0 | 1 | FALSE | 18 | wis: 128, swi: 67, CD-: 66, spr: 46 |
| strain | M and F | 0 | 1 | FALSE | 4 | swi: 25, wis: 7, NA: 3, OF1: 1 |
| strain | NA | 0 | 1 | FALSE | 11 | swi: 11, B6S: 3, fli: 3, lac: 2 |
| comparator | F | 0 | 1 | FALSE | 1 | veh: 77 |
| comparator | M | 0 | 1 | FALSE | 1 | veh: 421 |
| comparator | M and F | 0 | 1 | FALSE | 1 | veh: 36 |
| comparator | NA | 0 | 1 | FALSE | 1 | veh: 28 |
| atd\_type | F | 0 | 1 | FALSE | 13 | flu: 13, imi: 13, esc: 11, des: 10 |
| atd\_type | M | 0 | 1 | FALSE | 25 | imi: 111, flu: 96, des: 37, par: 28 |
| atd\_type | M and F | 0 | 1 | FALSE | 6 | imi: 15, flu: 12, tra: 3, ser: 2 |
| atd\_type | NA | 0 | 1 | FALSE | 7 | flu: 6, ven: 6, imi: 5, cit: 3 |
| atd\_class | F | 0 | 1 | FALSE | 5 | SSR: 42, tri: 26, mul: 4, SNR: 3 |
| atd\_class | M | 0 | 1 | FALSE | 8 | tri: 193, SSR: 149, SNR: 31, tec: 18 |
| atd\_class | M and F | 0 | 1 | FALSE | 4 | tri: 15, SSR: 14, SNR: 5, NRI: 2 |
| atd\_class | NA | 0 | 1 | FALSE | 3 | SSR: 14, tri: 8, SNR: 6, IMA: 0 |
| treatment\_via | F | 0 | 1 | FALSE | 4 | IP: 42, ora: 16, sub: 13, gav: 6 |
| treatment\_via | M | 0 | 1 | FALSE | 9 | IP: 268, ora: 77, gav: 34, sub: 27 |
| treatment\_via | M and F | 0 | 1 | FALSE | 4 | IP: 18, ora: 13, NA: 3, gav: 2 |
| treatment\_via | NA | 0 | 1 | FALSE | 5 | IP: 14, ora: 11, gav: 1, NA: 1 |
| fst\_protocol | F | 0 | 1 | FALSE | 12 | tes: 17, pre: 14, tes: 10, tes: 8 |
| fst\_protocol | M | 0 | 1 | FALSE | 20 | pre: 176, tes: 101, tes: 67, tes: 19 |
| fst\_protocol | M and F | 0 | 1 | FALSE | 11 | tes: 11, pre: 4, tes: 4, pre: 3 |
| fst\_protocol | NA | 0 | 1 | FALSE | 8 | pre: 7, pre: 5, pre: 4, tes: 4 |
| measurement\_method | F | 0 | 1 | FALSE | 5 | NA: 27, vid: 18, man: 17, vid: 9 |
| measurement\_method | M | 0 | 1 | FALSE | 11 | NA: 225, vid: 95, man: 37, vid: 22 |
| measurement\_method | M and F | 0 | 1 | FALSE | 6 | NA: 27, man: 4, vid: 2, man: 1 |
| measurement\_method | NA | 0 | 1 | FALSE | 3 | NA: 20, vid: 4, vid: 4, man: 0 |
| rob1 | F | 0 | 1 | FALSE | 1 | Unc: 77, No: 0, Yes: 0 |
| rob1 | M | 0 | 1 | FALSE | 3 | Unc: 417, Yes: 3, No: 1 |
| rob1 | M and F | 0 | 1 | FALSE | 2 | Unc: 35, No: 1, Yes: 0 |
| rob1 | NA | 0 | 1 | FALSE | 2 | Unc: 27, No: 1, Yes: 0 |
| rob2 | F | 0 | 1 | FALSE | 1 | Yes: 77, Unc: 0 |
| rob2 | M | 0 | 1 | FALSE | 2 | Yes: 419, Unc: 2 |
| rob2 | M and F | 0 | 1 | FALSE | 1 | Yes: 36, Unc: 0 |
| rob2 | NA | 0 | 1 | FALSE | 1 | Yes: 28, Unc: 0 |
| rob3 | F | 0 | 1 | FALSE | 2 | Unc: 76, Yes: 1, No: 0 |
| rob3 | M | 0 | 1 | FALSE | 2 | Unc: 413, No: 8, Yes: 0 |
| rob3 | M and F | 0 | 1 | FALSE | 1 | Unc: 36, No: 0, Yes: 0 |
| rob3 | NA | 0 | 1 | FALSE | 1 | Unc: 28, No: 0, Yes: 0 |
| rob4 | F | 0 | 1 | FALSE | 1 | Unc: 77, No: 0, Yes: 0 |
| rob4 | M | 0 | 1 | FALSE | 3 | Unc: 415, No: 4, Yes: 2 |
| rob4 | M and F | 0 | 1 | FALSE | 1 | Unc: 36, No: 0, Yes: 0 |
| rob4 | NA | 0 | 1 | FALSE | 2 | Unc: 27, No: 1, Yes: 0 |
| rob5 | F | 0 | 1 | FALSE | 3 | Unc: 63, Yes: 8, No: 6 |
| rob5 | M | 0 | 1 | FALSE | 3 | Unc: 402, Yes: 17, No: 2 |
| rob5 | M and F | 0 | 1 | FALSE | 1 | Unc: 36, No: 0, Yes: 0 |
| rob5 | NA | 0 | 1 | FALSE | 1 | Unc: 28, No: 0, Yes: 0 |
| rob6 | F | 0 | 1 | FALSE | 1 | Unc: 77, Yes: 0 |
| rob6 | M | 0 | 1 | FALSE | 2 | Unc: 419, Yes: 2 |
| rob6 | M and F | 0 | 1 | FALSE | 1 | Unc: 36, Yes: 0 |
| rob6 | NA | 0 | 1 | FALSE | 1 | Unc: 28, Yes: 0 |
| rob7 | F | 0 | 1 | FALSE | 2 | Unc: 44, Yes: 33 |
| rob7 | M | 0 | 1 | FALSE | 2 | Unc: 275, Yes: 146 |
| rob7 | M and F | 0 | 1 | FALSE | 2 | Unc: 34, Yes: 2 |
| rob7 | NA | 0 | 1 | FALSE | 2 | Unc: 19, Yes: 9 |
| rob8 | F | 0 | 1 | FALSE | 3 | Yes: 43, Unc: 30, No: 4 |
| rob8 | M | 0 | 1 | FALSE | 3 | Yes: 238, Unc: 169, No: 14 |
| rob8 | M and F | 0 | 1 | FALSE | 2 | Yes: 22, Unc: 14, No: 0 |
| rob8 | NA | 0 | 1 | FALSE | 2 | Yes: 19, Unc: 9, No: 0 |
| rob9 | F | 0 | 1 | FALSE | 3 | Yes: 70, No: 4, Unc: 3 |
| rob9 | M | 0 | 1 | FALSE | 3 | Yes: 402, No: 10, Unc: 9 |
| rob9 | M and F | 0 | 1 | FALSE | 1 | Yes: 36, No: 0, Unc: 0 |
| rob9 | NA | 0 | 1 | FALSE | 2 | Yes: 27, No: 1, Unc: 0 |
| rob10 | F | 0 | 1 | FALSE | 1 | Yes: 77, No: 0 |
| rob10 | M | 0 | 1 | FALSE | 2 | Yes: 419, No: 2 |
| rob10 | M and F | 0 | 1 | FALSE | 2 | Yes: 33, No: 3 |
| rob10 | NA | 0 | 1 | FALSE | 1 | Yes: 28, No: 0 |
| camarades1 | F | 0 | 1 | FALSE | 1 | Yes: 77, No: 0, Unc: 0 |
| camarades1 | M | 0 | 1 | FALSE | 3 | Yes: 401, No: 17, Unc: 3 |
| camarades1 | M and F | 0 | 1 | FALSE | 2 | Yes: 26, Unc: 10, No: 0 |
| camarades1 | NA | 0 | 1 | FALSE | 2 | Yes: 27, Unc: 1, No: 0 |
| camarades2 | F | 0 | 1 | FALSE | 2 | Yes: 41, Unc: 36, Yes: 0 |
| camarades2 | M | 0 | 1 | FALSE | 3 | Unc: 264, Yes: 152, Yes: 5 |
| camarades2 | M and F | 0 | 1 | FALSE | 2 | Unc: 30, Yes: 6, Yes: 0 |
| camarades2 | NA | 0 | 1 | FALSE | 2 | Unc: 24, Yes: 4, Yes: 0 |
| camarades3 | F | 0 | 1 | FALSE | 2 | Yes: 73, No: 4 |
| camarades3 | M | 0 | 1 | FALSE | 2 | Yes: 306, No: 115 |
| camarades3 | M and F | 0 | 1 | FALSE | 2 | Yes: 33, No: 3 |
| camarades3 | NA | 0 | 1 | FALSE | 1 | Yes: 28, No: 0 |
| camarades4 | F | 0 | 1 | FALSE | 2 | No: 50, Yes: 27 |
| camarades4 | M | 0 | 1 | FALSE | 2 | No: 319, Yes: 102 |
| camarades4 | M and F | 0 | 1 | FALSE | 2 | No: 29, Yes: 7 |
| camarades4 | NA | 0 | 1 | FALSE | 2 | Yes: 15, No: 13 |
| camarades5 | F | 0 | 1 | FALSE | 3 | Yes: 57, Unc: 17, No: 3 |
| camarades5 | M | 0 | 1 | FALSE | 3 | Yes: 294, Unc: 114, No: 13 |
| camarades5 | M and F | 0 | 1 | FALSE | 3 | Unc: 19, Yes: 16, No: 1 |
| camarades5 | NA | 0 | 1 | FALSE | 3 | Yes: 21, No: 5, Unc: 2 |
| camarades6 | F | 0 | 1 | FALSE | 2 | Yes: 76, No: 1, Unc: 0 |
| camarades6 | M | 0 | 1 | FALSE | 1 | Yes: 421, No: 0, Unc: 0 |
| camarades6 | M and F | 0 | 1 | FALSE | 3 | Yes: 32, No: 3, Unc: 1 |
| camarades6 | NA | 0 | 1 | FALSE | 2 | Yes: 26, No: 2, Unc: 0 |
| camarades7 | F | 0 | 1 | FALSE | 2 | No: 54, Yes: 23 |
| camarades7 | M | 0 | 1 | FALSE | 2 | No: 287, Yes: 134 |
| camarades7 | M and F | 0 | 1 | FALSE | 2 | No: 30, Yes: 6 |
| camarades7 | NA | 0 | 1 | FALSE | 2 | No: 20, Yes: 8 |
| camarades8 | F | 0 | 1 | FALSE | 2 | Yes: 76, No: 1, Unc: 0 |
| camarades8 | M | 0 | 1 | FALSE | 2 | Yes: 419, No: 2, Unc: 0 |
| camarades8 | M and F | 0 | 1 | FALSE | 2 | Yes: 33, No: 3, Unc: 0 |
| camarades8 | NA | 0 | 1 | FALSE | 3 | Yes: 25, No: 2, Unc: 1 |
| camarades9 | F | 0 | 1 | FALSE | 1 | Yes: 77, No: 0 |
| camarades9 | M | 0 | 1 | FALSE | 1 | Yes: 421, No: 0 |
| camarades9 | M and F | 0 | 1 | FALSE | 1 | Yes: 36, No: 0 |
| camarades9 | NA | 0 | 1 | FALSE | 1 | No: 28, Yes: 0 |
| camarades10 | F | 0 | 1 | FALSE | 2 | Yes: 51, No: 26, Unc: 0 |
| camarades10 | M | 0 | 1 | FALSE | 3 | No: 234, Yes: 164, Unc: 23 |
| camarades10 | M and F | 0 | 1 | FALSE | 3 | No: 27, Yes: 6, Unc: 3 |
| camarades10 | NA | 0 | 1 | FALSE | 2 | No: 20, Yes: 8, Unc: 0 |
| camarades11 | F | 0 | 1 | FALSE | 1 | No: 77, Unc: 0 |
| camarades11 | M | 0 | 1 | FALSE | 2 | No: 416, Unc: 5 |
| camarades11 | M and F | 0 | 1 | FALSE | 1 | No: 36, Unc: 0 |
| camarades11 | NA | 0 | 1 | FALSE | 1 | No: 28, Unc: 0 |

**Variable type: numeric**

| skim\_variable | sex | n\_missing | complete\_rate | mean | sd | p0 | p25 | p50 | p75 | p100 | hist |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| seq | F | 0 | 1.00 | 3.18 | 2.77 | 1.00 | 1.00 | 2.00 | 4.00 | 12.00 | ▇▂▁▁▁ |
| seq | M | 0 | 1.00 | 3.51 | 3.42 | 1.00 | 1.00 | 2.00 | 4.00 | 18.00 | ▇▁▁▁▁ |
| seq | M and F | 0 | 1.00 | 1.86 | 1.07 | 1.00 | 1.00 | 1.50 | 2.25 | 5.00 | ▇▃▂▁▁ |
| seq | NA | 0 | 1.00 | 2.32 | 1.66 | 1.00 | 1.00 | 2.00 | 3.00 | 7.00 | ▇▁▁▁▁ |
| ctr\_mean | F | 0 | 1.00 | 170.89 | 100.89 | 29.75 | 90.81 | 185.90 | 222.10 | 437.00 | ▇▇▇▂▂ |
| ctr\_mean | M | 0 | 1.00 | 158.21 | 67.91 | 7.22 | 105.00 | 166.85 | 206.40 | 447.92 | ▅▇▇▁▁ |
| ctr\_mean | M and F | 0 | 1.00 | 179.30 | 57.90 | 62.43 | 157.73 | 179.12 | 204.49 | 336.20 | ▂▃▇▁▁ |
| ctr\_mean | NA | 0 | 1.00 | 166.93 | 55.17 | 45.67 | 140.26 | 167.83 | 190.15 | 255.78 | ▂▁▇▂▃ |
| ctr\_sd | F | 0 | 1.00 | 32.25 | 34.81 | 2.38 | 10.55 | 21.20 | 38.21 | 173.64 | ▇▂▁▁▁ |
| ctr\_sd | M | 0 | 1.00 | 31.16 | 21.55 | 2.02 | 15.97 | 26.39 | 40.90 | 175.79 | ▇▃▁▁▁ |
| ctr\_sd | M and F | 0 | 1.00 | 16.25 | 12.41 | 2.58 | 5.78 | 12.66 | 21.27 | 47.41 | ▇▆▂▁▂ |
| ctr\_sd | NA | 0 | 1.00 | 25.42 | 22.31 | 1.65 | 7.64 | 14.71 | 39.03 | 87.99 | ▇▂▂▁▁ |
| ctr\_se | F | 0 | 1.00 | 10.82 | 12.01 | 0.84 | 3.87 | 6.44 | 12.40 | 50.13 | ▇▂▁▁▁ |
| ctr\_se | M | 4 | 0.99 | 10.12 | 6.89 | 0.86 | 5.34 | 8.45 | 14.10 | 55.59 | ▇▃▁▁▁ |
| ctr\_se | M and F | 1 | 0.97 | 5.88 | 3.84 | 1.05 | 2.55 | 5.17 | 8.03 | 13.80 | ▇▇▃▁▃ |
| ctr\_se | NA | 0 | 1.00 | 7.97 | 6.01 | 1.15 | 3.17 | 5.63 | 11.17 | 21.82 | ▇▂▃▂▂ |
| ctr\_n\_round | F | 0 | 1.00 | 10.45 | 6.26 | 6.00 | 8.00 | 8.00 | 10.00 | 30.00 | ▇▁▁▁▁ |
| ctr\_n\_round | M | 0 | 1.00 | 9.97 | 4.95 | 1.00 | 8.00 | 10.00 | 10.00 | 50.00 | ▇▂▁▁▁ |
| ctr\_n\_round | M and F | 0 | 1.00 | 7.69 | 5.03 | 3.00 | 6.00 | 6.00 | 8.25 | 35.00 | ▇▂▁▁▁ |
| ctr\_n\_round | NA | 0 | 1.00 | 8.93 | 4.11 | 1.00 | 6.00 | 8.00 | 11.00 | 20.00 | ▂▇▅▁▁ |
| ctr\_n\_corr | F | 0 | 1.00 | 5.74 | 4.48 | 1.00 | 1.00 | 6.00 | 8.00 | 19.00 | ▇▆▁▂▁ |
| ctr\_n\_corr | M | 0 | 1.00 | 5.82 | 4.05 | 0.00 | 3.00 | 5.00 | 9.00 | 28.00 | ▇▆▁▁▁ |
| ctr\_n\_corr | M and F | 0 | 1.00 | 5.47 | 5.67 | 1.00 | 3.00 | 5.00 | 6.00 | 35.00 | ▇▁▁▁▁ |
| ctr\_n\_corr | NA | 0 | 1.00 | 6.14 | 5.15 | 1.00 | 3.00 | 4.00 | 7.00 | 20.00 | ▇▂▂▁▁ |
| n\_comparisons | F | 0 | 1.00 | 2.92 | 1.99 | 1.00 | 1.00 | 2.00 | 5.00 | 6.00 | ▇▁▂▂▂ |
| n\_comparisons | M | 0 | 1.00 | 2.56 | 2.04 | 1.00 | 1.00 | 2.00 | 3.00 | 9.00 | ▇▅▁▁▁ |
| n\_comparisons | M and F | 0 | 1.00 | 2.00 | 1.37 | 1.00 | 1.00 | 1.50 | 2.00 | 5.00 | ▇▅▁▁▂ |
| n\_comparisons | NA | 0 | 1.00 | 1.79 | 0.79 | 1.00 | 1.00 | 2.00 | 2.00 | 3.00 | ▇▁▇▁▃ |
| atd\_mean | F | 0 | 1.00 | 124.38 | 82.91 | 11.94 | 38.56 | 125.39 | 185.59 | 388.00 | ▇▅▆▁▁ |
| atd\_mean | M | 0 | 1.00 | 104.47 | 63.74 | 2.02 | 53.09 | 93.66 | 147.96 | 321.19 | ▇▇▆▂▁ |
| atd\_mean | M and F | 0 | 1.00 | 110.65 | 54.81 | 21.92 | 78.71 | 111.10 | 138.03 | 308.60 | ▅▇▃▁▁ |
| atd\_mean | NA | 0 | 1.00 | 101.71 | 60.96 | 13.80 | 66.86 | 93.59 | 117.77 | 255.72 | ▅▇▂▂▁ |
| atd\_sd | F | 0 | 1.00 | 34.62 | 35.38 | 1.67 | 11.60 | 23.52 | 41.01 | 183.85 | ▇▂▁▁▁ |
| atd\_sd | M | 0 | 1.00 | 33.59 | 34.26 | 0.73 | 15.69 | 30.22 | 42.94 | 581.00 | ▇▁▁▁▁ |
| atd\_sd | M and F | 0 | 1.00 | 17.80 | 16.49 | 1.49 | 4.23 | 11.29 | 32.28 | 58.79 | ▇▂▂▂▁ |
| atd\_sd | NA | 0 | 1.00 | 25.19 | 28.82 | 1.91 | 4.60 | 10.44 | 32.76 | 120.94 | ▇▃▂▁▁ |
| atd\_n\_round | F | 0 | 1.00 | 10.44 | 6.26 | 6.00 | 8.00 | 8.00 | 10.00 | 30.00 | ▇▁▁▁▁ |
| atd\_n\_round | M | 0 | 1.00 | 9.39 | 2.74 | 1.00 | 8.00 | 10.00 | 10.00 | 21.00 | ▁▇▇▁▁ |
| atd\_n\_round | M and F | 0 | 1.00 | 7.06 | 2.03 | 3.00 | 6.00 | 6.00 | 8.25 | 12.00 | ▁▇▁▂▁ |
| atd\_n\_round | NA | 0 | 1.00 | 8.46 | 2.62 | 4.00 | 6.00 | 8.00 | 10.00 | 15.00 | ▇▇▅▃▂ |
| age | F | 37 | 0.52 | 165.85 | 124.98 | 35.00 | 56.00 | 105.00 | 307.50 | 350.00 | ▇▁▁▁▆ |
| age | M | 264 | 0.37 | 62.42 | 47.97 | 28.00 | 42.00 | 56.00 | 64.50 | 585.00 | ▇▁▁▁▁ |
| age | M and F | 34 | 0.06 | 40.25 | 12.37 | 31.50 | 35.88 | 40.25 | 44.62 | 49.00 | ▇▁▁▁▇ |
| age | NA | 15 | 0.46 | 176.58 | 148.90 | 31.50 | 89.00 | 89.00 | 390.00 | 390.00 | ▇▁▁▁▃ |
| weight | F | 36 | 0.53 | 94.94 | 104.05 | 19.00 | 30.00 | 35.00 | 237.00 | 275.00 | ▇▁▁▁▃ |
| weight | M | 81 | 0.81 | 133.31 | 111.60 | 18.00 | 27.00 | 165.00 | 230.00 | 560.00 | ▇▅▃▁▁ |
| weight | M and F | 3 | 0.92 | 67.56 | 80.83 | 21.50 | 22.50 | 27.50 | 36.00 | 225.00 | ▇▁▁▁▂ |
| weight | NA | 9 | 0.68 | 99.58 | 149.68 | 20.00 | 25.00 | 25.00 | 27.50 | 401.00 | ▇▁▁▁▂ |
| bioterium\_temp | F | 31 | 0.60 | 22.22 | 0.89 | 21.00 | 21.00 | 23.00 | 23.00 | 23.00 | ▅▁▂▁▇ |
| bioterium\_temp | M | 85 | 0.80 | 22.38 | 1.40 | 20.00 | 22.00 | 22.00 | 23.00 | 25.50 | ▅▇▆▁▃ |
| bioterium\_temp | M and F | 13 | 0.64 | 23.35 | 1.27 | 22.00 | 22.00 | 23.00 | 24.50 | 25.00 | ▇▂▁▅▅ |
| bioterium\_temp | NA | 11 | 0.61 | 22.65 | 0.86 | 21.00 | 23.00 | 23.00 | 23.00 | 24.00 | ▂▁▁▇▁ |
| bioterium\_umid | F | 70 | 0.09 | 50.71 | 6.73 | 45.00 | 45.00 | 50.00 | 55.00 | 60.00 | ▇▅▁▁▅ |
| bioterium\_umid | M | 268 | 0.36 | 56.11 | 5.79 | 45.00 | 55.00 | 55.00 | 60.00 | 70.00 | ▃▇▂▂▁ |
| bioterium\_umid | M and F | 26 | 0.28 | 56.00 | 6.99 | 50.00 | 50.00 | 52.50 | 63.75 | 65.00 | ▇▂▁▂▅ |
| bioterium\_umid | NA | 16 | 0.43 | 52.92 | 5.82 | 35.00 | 55.00 | 55.00 | 55.00 | 55.00 | ▁▁▁▁▇ |
| dose | F | 10 | 0.87 | 10.69 | 9.58 | 0.10 | 5.00 | 10.00 | 15.00 | 40.00 | ▇▆▁▁▁ |
| dose | M | 9 | 0.98 | 14.73 | 11.78 | 0.10 | 10.00 | 10.00 | 20.00 | 100.00 | ▇▁▁▁▁ |
| dose | M and F | 3 | 0.92 | 19.61 | 16.58 | 5.00 | 10.00 | 15.00 | 20.00 | 100.00 | ▇▂▁▁▁ |
| dose | NA | 0 | 1.00 | 23.59 | 29.17 | 2.00 | 9.50 | 15.00 | 20.00 | 100.00 | ▇▁▁▁▁ |
| treatment\_duration | F | 4 | 0.95 | 15.45 | 27.03 | 1.00 | 1.00 | 1.00 | 18.00 | 110.00 | ▇▁▁▁▁ |
| treatment\_duration | M | 3 | 0.99 | 5.52 | 7.79 | 1.00 | 1.00 | 1.00 | 8.00 | 48.00 | ▇▁▁▁▁ |
| treatment\_duration | M and F | 4 | 0.89 | 4.75 | 5.43 | 1.00 | 1.00 | 1.00 | 7.00 | 21.00 | ▇▃▁▂▁ |
| treatment\_duration | NA | 1 | 0.96 | 6.89 | 7.44 | 1.00 | 1.00 | 1.00 | 14.00 | 21.00 | ▇▁▁▅▁ |
| treatment\_freq | F | 4 | 0.95 | 1.25 | 0.66 | 1.00 | 1.00 | 1.00 | 1.00 | 3.00 | ▇▁▁▁▁ |
| treatment\_freq | M | 6 | 0.99 | 1.27 | 0.66 | 1.00 | 1.00 | 1.00 | 1.00 | 3.00 | ▇▁▁▁▁ |
| treatment\_freq | M and F | 1 | 0.97 | 1.17 | 0.57 | 1.00 | 1.00 | 1.00 | 1.00 | 3.00 | ▇▁▁▁▁ |
| treatment\_freq | NA | 1 | 0.96 | 1.11 | 0.32 | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | ▇▁▁▁▁ |
| last\_bf\_outcome | F | 30 | 0.61 | 2.85 | 11.16 | 0.50 | 0.50 | 0.50 | 1.00 | 72.00 | ▇▁▁▁▁ |
| last\_bf\_outcome | M | 57 | 0.86 | 9.86 | 81.28 | 0.17 | 0.50 | 1.00 | 1.00 | 960.00 | ▇▁▁▁▁ |
| last\_bf\_outcome | M and F | 1 | 0.97 | 6.63 | 18.77 | 0.00 | 0.50 | 1.00 | 1.00 | 90.00 | ▇▁▁▁▁ |
| last\_bf\_outcome | NA | 5 | 0.82 | 6.84 | 10.43 | 0.50 | 0.75 | 1.00 | 12.50 | 24.00 | ▇▁▁▁▃ |
| cylinder\_height | F | 19 | 0.75 | 32.62 | 12.67 | 11.00 | 25.00 | 25.00 | 46.00 | 60.00 | ▁▇▂▃▁ |
| cylinder\_height | M | 27 | 0.94 | 34.67 | 12.54 | 13.00 | 25.00 | 40.00 | 40.00 | 80.00 | ▇▂▇▁▁ |
| cylinder\_height | M and F | 4 | 0.89 | 29.50 | 8.67 | 15.00 | 25.00 | 25.00 | 30.00 | 50.00 | ▁▇▂▂▁ |
| cylinder\_height | NA | 0 | 1.00 | 30.04 | 9.98 | 18.00 | 23.00 | 30.00 | 40.00 | 50.00 | ▅▇▁▂▂ |
| cylinder\_diameter | F | 8 | 0.90 | 15.23 | 5.47 | 10.00 | 10.00 | 12.50 | 20.00 | 25.00 | ▇▁▁▅▂ |
| cylinder\_diameter | M | 22 | 0.95 | 16.62 | 6.37 | 10.00 | 10.00 | 18.00 | 20.00 | 73.00 | ▇▁▁▁▁ |
| cylinder\_diameter | M and F | 13 | 0.64 | 14.24 | 4.96 | 10.00 | 10.00 | 12.00 | 19.00 | 22.50 | ▇▁▁▃▂ |
| cylinder\_diameter | NA | 4 | 0.86 | 17.52 | 4.69 | 10.00 | 12.00 | 18.50 | 22.50 | 22.50 | ▆▁▁▆▇ |
| water\_depth | F | 5 | 0.94 | 21.97 | 9.85 | 10.00 | 12.00 | 19.00 | 30.00 | 40.00 | ▇▃▁▆▃ |
| water\_depth | M | 22 | 0.95 | 18.59 | 8.38 | 6.00 | 12.25 | 15.00 | 20.00 | 50.00 | ▃▇▂▁▁ |
| water\_depth | M and F | 0 | 1.00 | 15.72 | 5.01 | 7.00 | 15.00 | 15.00 | 15.00 | 30.00 | ▂▇▁▁▁ |
| water\_depth | NA | 4 | 0.86 | 16.12 | 5.82 | 10.00 | 14.25 | 15.00 | 15.00 | 30.00 | ▃▇▁▁▁ |
| water\_temperature | F | 4 | 0.95 | 24.48 | 0.63 | 23.00 | 24.00 | 25.00 | 25.00 | 25.00 | ▁▁▆▁▇ |
| water\_temperature | M | 10 | 0.98 | 24.64 | 1.53 | 20.00 | 24.00 | 25.00 | 25.00 | 33.00 | ▁▇▁▁▁ |
| water\_temperature | M and F | 12 | 0.67 | 25.08 | 1.49 | 22.00 | 25.00 | 25.00 | 25.25 | 30.00 | ▂▇▂▁▁ |
| water\_temperature | NA | 0 | 1.00 | 24.32 | 0.86 | 23.00 | 24.00 | 24.00 | 25.00 | 26.00 | ▃▇▁▇▂ |

Tabelas apenas com variáveis numéricas

# Geral  
  
tab\_numeric <- df %>%   
 skim %>%  
 yank("numeric")  
  
  
tab\_numeric <- tab\_numeric %>%   
 mutate(n = 562 - (n\_missing))  
  
tab\_numeric

**Variable type: numeric**

| skim\_variable | n\_missing | complete\_rate | mean | sd | p0 | p25 | p50 | p75 | p100 | hist | n |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| seq | 0 | 1.00 | 3.30 | 3.20 | 1.00 | 1.00 | 2.00 | 4.00 | 18.00 | ▇▁▁▁▁ | 562 |
| ctr\_mean | 0 | 1.00 | 161.73 | 72.31 | 7.22 | 106.76 | 167.42 | 209.78 | 447.92 | ▅▇▇▁▁ | 562 |
| ctr\_sd | 0 | 1.00 | 30.07 | 23.67 | 1.65 | 13.22 | 24.11 | 39.76 | 175.79 | ▇▃▁▁▁ | 562 |
| ctr\_se | 5 | 0.99 | 9.84 | 7.70 | 0.84 | 4.20 | 8.02 | 13.38 | 55.59 | ▇▃▁▁▁ | 557 |
| ctr\_n\_round | 0 | 1.00 | 9.84 | 5.15 | 1.00 | 8.00 | 9.00 | 10.00 | 50.00 | ▇▂▁▁▁ | 562 |
| ctr\_n\_corr | 0 | 1.00 | 5.81 | 4.28 | 0.00 | 3.00 | 5.00 | 8.00 | 35.00 | ▇▅▁▁▁ | 562 |
| n\_comparisons | 0 | 1.00 | 2.53 | 1.96 | 1.00 | 1.00 | 2.00 | 3.00 | 9.00 | ▇▃▁▁▁ | 562 |
| atd\_mean | 0 | 1.00 | 107.45 | 66.24 | 2.02 | 53.12 | 98.26 | 149.53 | 388.00 | ▇▇▃▁▁ | 562 |
| atd\_sd | 0 | 1.00 | 32.30 | 33.52 | 0.73 | 12.67 | 27.59 | 42.92 | 581.00 | ▇▁▁▁▁ | 562 |
| atd\_n\_round | 0 | 1.00 | 9.34 | 3.47 | 1.00 | 8.00 | 8.00 | 10.00 | 30.00 | ▂▇▁▁▁ | 562 |
| age | 350 | 0.38 | 88.73 | 89.39 | 28.00 | 49.00 | 56.00 | 85.25 | 585.00 | ▇▁▁▁▁ | 212 |
| weight | 129 | 0.77 | 123.19 | 112.30 | 18.00 | 25.00 | 35.00 | 225.00 | 560.00 | ▇▃▂▁▁ | 433 |
| bioterium\_temp | 140 | 0.75 | 22.43 | 1.35 | 20.00 | 22.00 | 22.00 | 23.00 | 25.50 | ▅▇▇▁▃ | 422 |
| bioterium\_umid | 380 | 0.32 | 55.69 | 5.98 | 35.00 | 51.25 | 55.00 | 60.00 | 70.00 | ▁▁▇▂▂ | 182 |
| dose | 22 | 0.96 | 14.98 | 13.54 | 0.10 | 8.00 | 10.00 | 20.00 | 100.00 | ▇▁▁▁▁ | 540 |
| treatment\_duration | 12 | 0.98 | 6.86 | 12.56 | 1.00 | 1.00 | 1.00 | 8.00 | 110.00 | ▇▁▁▁▁ | 550 |
| treatment\_freq | 12 | 0.98 | 1.26 | 0.64 | 1.00 | 1.00 | 1.00 | 1.00 | 3.00 | ▇▁▁▁▁ | 550 |
| last\_bf\_outcome | 93 | 0.83 | 8.77 | 71.92 | 0.00 | 0.50 | 1.00 | 1.00 | 960.00 | ▇▁▁▁▁ | 469 |
| cylinder\_height | 50 | 0.91 | 33.86 | 12.30 | 11.00 | 25.00 | 30.00 | 40.00 | 80.00 | ▃▇▇▁▁ | 512 |
| cylinder\_diameter | 47 | 0.92 | 16.37 | 6.16 | 10.00 | 10.00 | 18.00 | 20.00 | 73.00 | ▇▁▁▁▁ | 515 |
| water\_depth | 31 | 0.94 | 18.74 | 8.44 | 6.00 | 12.25 | 15.00 | 20.00 | 50.00 | ▅▇▂▁▁ | 531 |
| water\_temperature | 26 | 0.95 | 24.62 | 1.41 | 20.00 | 24.00 | 25.00 | 25.00 | 33.00 | ▁▇▁▁▁ | 536 |

# Ratos  
  
  
tab\_numeric\_rat <- df %>%   
 filter(species == "rat") %>%   
 skim %>%  
 yank("numeric")  
  
tab\_numeric\_rat <- tab\_numeric %>%   
 mutate(n = 234 - (n\_missing))  
  
tab\_numeric\_rat

**Variable type: numeric**

| skim\_variable | n\_missing | complete\_rate | mean | sd | p0 | p25 | p50 | p75 | p100 | hist | n |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| seq | 0 | 1.00 | 3.30 | 3.20 | 1.00 | 1.00 | 2.00 | 4.00 | 18.00 | ▇▁▁▁▁ | 234 |
| ctr\_mean | 0 | 1.00 | 161.73 | 72.31 | 7.22 | 106.76 | 167.42 | 209.78 | 447.92 | ▅▇▇▁▁ | 234 |
| ctr\_sd | 0 | 1.00 | 30.07 | 23.67 | 1.65 | 13.22 | 24.11 | 39.76 | 175.79 | ▇▃▁▁▁ | 234 |
| ctr\_se | 5 | 0.99 | 9.84 | 7.70 | 0.84 | 4.20 | 8.02 | 13.38 | 55.59 | ▇▃▁▁▁ | 229 |
| ctr\_n\_round | 0 | 1.00 | 9.84 | 5.15 | 1.00 | 8.00 | 9.00 | 10.00 | 50.00 | ▇▂▁▁▁ | 234 |
| ctr\_n\_corr | 0 | 1.00 | 5.81 | 4.28 | 0.00 | 3.00 | 5.00 | 8.00 | 35.00 | ▇▅▁▁▁ | 234 |
| n\_comparisons | 0 | 1.00 | 2.53 | 1.96 | 1.00 | 1.00 | 2.00 | 3.00 | 9.00 | ▇▃▁▁▁ | 234 |
| atd\_mean | 0 | 1.00 | 107.45 | 66.24 | 2.02 | 53.12 | 98.26 | 149.53 | 388.00 | ▇▇▃▁▁ | 234 |
| atd\_sd | 0 | 1.00 | 32.30 | 33.52 | 0.73 | 12.67 | 27.59 | 42.92 | 581.00 | ▇▁▁▁▁ | 234 |
| atd\_n\_round | 0 | 1.00 | 9.34 | 3.47 | 1.00 | 8.00 | 8.00 | 10.00 | 30.00 | ▂▇▁▁▁ | 234 |
| age | 350 | 0.38 | 88.73 | 89.39 | 28.00 | 49.00 | 56.00 | 85.25 | 585.00 | ▇▁▁▁▁ | -116 |
| weight | 129 | 0.77 | 123.19 | 112.30 | 18.00 | 25.00 | 35.00 | 225.00 | 560.00 | ▇▃▂▁▁ | 105 |
| bioterium\_temp | 140 | 0.75 | 22.43 | 1.35 | 20.00 | 22.00 | 22.00 | 23.00 | 25.50 | ▅▇▇▁▃ | 94 |
| bioterium\_umid | 380 | 0.32 | 55.69 | 5.98 | 35.00 | 51.25 | 55.00 | 60.00 | 70.00 | ▁▁▇▂▂ | -146 |
| dose | 22 | 0.96 | 14.98 | 13.54 | 0.10 | 8.00 | 10.00 | 20.00 | 100.00 | ▇▁▁▁▁ | 212 |
| treatment\_duration | 12 | 0.98 | 6.86 | 12.56 | 1.00 | 1.00 | 1.00 | 8.00 | 110.00 | ▇▁▁▁▁ | 222 |
| treatment\_freq | 12 | 0.98 | 1.26 | 0.64 | 1.00 | 1.00 | 1.00 | 1.00 | 3.00 | ▇▁▁▁▁ | 222 |
| last\_bf\_outcome | 93 | 0.83 | 8.77 | 71.92 | 0.00 | 0.50 | 1.00 | 1.00 | 960.00 | ▇▁▁▁▁ | 141 |
| cylinder\_height | 50 | 0.91 | 33.86 | 12.30 | 11.00 | 25.00 | 30.00 | 40.00 | 80.00 | ▃▇▇▁▁ | 184 |
| cylinder\_diameter | 47 | 0.92 | 16.37 | 6.16 | 10.00 | 10.00 | 18.00 | 20.00 | 73.00 | ▇▁▁▁▁ | 187 |
| water\_depth | 31 | 0.94 | 18.74 | 8.44 | 6.00 | 12.25 | 15.00 | 20.00 | 50.00 | ▅▇▂▁▁ | 203 |
| water\_temperature | 26 | 0.95 | 24.62 | 1.41 | 20.00 | 24.00 | 25.00 | 25.00 | 33.00 | ▁▇▁▁▁ | 208 |

# Camundongos  
  
  
tab\_numeric\_mice <- df %>%   
 filter(species == "mice") %>%   
 skim %>%  
 yank("numeric")  
  
tab\_numeric\_mice <- tab\_numeric %>%   
 mutate(n = 328 - (n\_missing))  
  
tab\_numeric\_mice

**Variable type: numeric**

| skim\_variable | n\_missing | complete\_rate | mean | sd | p0 | p25 | p50 | p75 | p100 | hist | n |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| seq | 0 | 1.00 | 3.30 | 3.20 | 1.00 | 1.00 | 2.00 | 4.00 | 18.00 | ▇▁▁▁▁ | 328 |
| ctr\_mean | 0 | 1.00 | 161.73 | 72.31 | 7.22 | 106.76 | 167.42 | 209.78 | 447.92 | ▅▇▇▁▁ | 328 |
| ctr\_sd | 0 | 1.00 | 30.07 | 23.67 | 1.65 | 13.22 | 24.11 | 39.76 | 175.79 | ▇▃▁▁▁ | 328 |
| ctr\_se | 5 | 0.99 | 9.84 | 7.70 | 0.84 | 4.20 | 8.02 | 13.38 | 55.59 | ▇▃▁▁▁ | 323 |
| ctr\_n\_round | 0 | 1.00 | 9.84 | 5.15 | 1.00 | 8.00 | 9.00 | 10.00 | 50.00 | ▇▂▁▁▁ | 328 |
| ctr\_n\_corr | 0 | 1.00 | 5.81 | 4.28 | 0.00 | 3.00 | 5.00 | 8.00 | 35.00 | ▇▅▁▁▁ | 328 |
| n\_comparisons | 0 | 1.00 | 2.53 | 1.96 | 1.00 | 1.00 | 2.00 | 3.00 | 9.00 | ▇▃▁▁▁ | 328 |
| atd\_mean | 0 | 1.00 | 107.45 | 66.24 | 2.02 | 53.12 | 98.26 | 149.53 | 388.00 | ▇▇▃▁▁ | 328 |
| atd\_sd | 0 | 1.00 | 32.30 | 33.52 | 0.73 | 12.67 | 27.59 | 42.92 | 581.00 | ▇▁▁▁▁ | 328 |
| atd\_n\_round | 0 | 1.00 | 9.34 | 3.47 | 1.00 | 8.00 | 8.00 | 10.00 | 30.00 | ▂▇▁▁▁ | 328 |
| age | 350 | 0.38 | 88.73 | 89.39 | 28.00 | 49.00 | 56.00 | 85.25 | 585.00 | ▇▁▁▁▁ | -22 |
| weight | 129 | 0.77 | 123.19 | 112.30 | 18.00 | 25.00 | 35.00 | 225.00 | 560.00 | ▇▃▂▁▁ | 199 |
| bioterium\_temp | 140 | 0.75 | 22.43 | 1.35 | 20.00 | 22.00 | 22.00 | 23.00 | 25.50 | ▅▇▇▁▃ | 188 |
| bioterium\_umid | 380 | 0.32 | 55.69 | 5.98 | 35.00 | 51.25 | 55.00 | 60.00 | 70.00 | ▁▁▇▂▂ | -52 |
| dose | 22 | 0.96 | 14.98 | 13.54 | 0.10 | 8.00 | 10.00 | 20.00 | 100.00 | ▇▁▁▁▁ | 306 |
| treatment\_duration | 12 | 0.98 | 6.86 | 12.56 | 1.00 | 1.00 | 1.00 | 8.00 | 110.00 | ▇▁▁▁▁ | 316 |
| treatment\_freq | 12 | 0.98 | 1.26 | 0.64 | 1.00 | 1.00 | 1.00 | 1.00 | 3.00 | ▇▁▁▁▁ | 316 |
| last\_bf\_outcome | 93 | 0.83 | 8.77 | 71.92 | 0.00 | 0.50 | 1.00 | 1.00 | 960.00 | ▇▁▁▁▁ | 235 |
| cylinder\_height | 50 | 0.91 | 33.86 | 12.30 | 11.00 | 25.00 | 30.00 | 40.00 | 80.00 | ▃▇▇▁▁ | 278 |
| cylinder\_diameter | 47 | 0.92 | 16.37 | 6.16 | 10.00 | 10.00 | 18.00 | 20.00 | 73.00 | ▇▁▁▁▁ | 281 |
| water\_depth | 31 | 0.94 | 18.74 | 8.44 | 6.00 | 12.25 | 15.00 | 20.00 | 50.00 | ▅▇▂▁▁ | 297 |
| water\_temperature | 26 | 0.95 | 24.62 | 1.41 | 20.00 | 24.00 | 25.00 | 25.00 | 33.00 | ▁▇▁▁▁ | 302 |

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