EEB313 Final Assingment: Elisabeth Atkinson

2023-11-02

```
#Read Data
rubalcaba<- read.csv2("dataset_Rubalcaba_Polo.csv")</pre>
head(rubalcaba)
      Mother Treatment Year Clutch
##
                                         Date Nest Eggs Hatchlings Fledglings
                    LD 2015
                                                                             3
## 1 3296489
                                 1 14/04/2015
                                                                  3
## 2
                    LD 2015
                                 1 08/04/2015
                                                  8
                                                       5
                                                                  5
                                                                             5
        A703
                                                                             3
## 3
        C038
                    LD 2015
                                 1 08/04/2015
                                                                  3
                                                                             4
        C141
                    LD 2015
                                 1 28/05/2015
                                                                             4
## 5
        C524
                    LD 2015
                                 1 05/04/2015
                                                 25
                                                       5
##
  6
        C663
                    LD 2015
                                 1 07/04/2015
                                                       5
                                                                             5
     Males Females
##
## 1
         1
                 2
                 1
## 2
         4
## 3
         1
                 2
## 4
                 2
## 5
                 1
                 2
  6
         3
##
     [1] 1.0000000 1.0000000 0.7500000 1.0000000 0.8000000 1.0000000 0.8000000
##
##
     [8] 0.4000000 1.0000000 0.6666667 1.0000000 1.0000000 1.0000000 1.0000000
##
    [15] 1.0000000 1.0000000 0.5000000 1.0000000 0.7500000 0.6000000 1.0000000
    [22] 0.7500000 0.6000000 1.0000000 0.8333333 1.0000000 0.7500000 1.0000000
    [29] 1.0000000 0.8000000 1.0000000 1.0000000 0.8000000 1.0000000 1.0000000
    [36] 0.8000000 0.8000000 1.0000000 0.8000000 1.0000000 0.8000000 0.6000000
    [43] 0.7500000 0.8000000 1.0000000 0.6000000 1.0000000 0.8000000 1.0000000
    [50] 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 0.8000000
    [57] 0.6666667 1.0000000 1.0000000 0.5000000 0.8000000 0.8000000 0.6000000
    [64] 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 0.7500000 0.3333333
##
    [71] 1.0000000 1.0000000 1.0000000 0.6000000 0.8000000 0.2500000 1.0000000
    [78] 1.0000000 0.6666667 0.6666667 1.0000000 0.0000000 0.7500000 0.8000000
    [85] 0.0000000 0.8000000 1.0000000 1.0000000 0.8000000 1.0000000 1.0000000
    [92] 0.6000000 0.8333333 1.0000000 0.4000000 1.0000000 0.8333333 0.6000000
    [99] 1.0000000 1.0000000 1.0000000 0.8000000 0.2000000 1.0000000 0.8000000
  [106] 0.0000000 0.4000000 0.5000000 1.0000000 1.0000000 0.2500000 1.0000000
   [113] 1.0000000 1.0000000 1.0000000 0.6000000 1.0000000 1.0000000 0.4000000
  [120] 0.8000000 0.6666667 1.0000000 1.0000000 0.5000000 1.0000000 0.2000000
  [127] 1.0000000 0.4000000 0.6000000 1.0000000 0.8000000 1.0000000 0.6666667
  [134] 1.0000000 0.8000000 1.0000000 0.6000000 0.6000000 0.4000000 0.7500000
  [141] 1.0000000 0.0000000 1.0000000 1.0000000 0.7500000 0.8000000 0.0000000
  [148] 0.4000000 0.8000000 1.0000000 0.8000000 1.0000000 0.7500000 1.0000000
## [155] 1.0000000 1.0000000 1.0000000 0.7500000 1.0000000 0.7500000
## [162] 0.8000000 0.8000000 0.0000000 0.66666667 0.8000000 0.6000000 0.0000000
## [169] 0.7500000 1.0000000 0.6666667 1.0000000 1.0000000 0.7500000 0.2000000
## [176] 1.0000000 0.6666667 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000
## [183] 0.7500000 1.0000000 0.6000000 0.5000000 0.6000000 0.8000000 0.6000000
```

```
## [190] 1.0000000 1.0000000 1.0000000 0.0000000 1.0000000 1.0000000 0.8000000
## [197] 0.8333333 0.6000000 0.2500000 1.0000000 1.0000000 0.6000000 0.7500000
## [204] 1.0000000 0.5000000 0.6000000 0.7500000 0.6666667 1.0000000 0.5000000
## [1] 846
## [1] 196
## [1] 0.5130024
## [1] 0.4869976
## [1] 0.2316785
## [1] 0.4516129
## [1] 0.4757282
      Mother Treatment Year Clutch
                                      Date Nest Eggs Hatchlings Fledglings
## 1 3296489
                    LD 2015
                                 1 14/04/2015
                                                 42
                                                       3
                                                                   3
                                                                              3
## 2
        A703
                    LD 2015
                                 1 08/04/2015
                                                  8
                                                       5
                                                                   5
                                                                              5
                                                                   3
                                                                              3
## 3
        C038
                    LD 2015
                                 1 08/04/2015
                                                 11
                                                       4
## 4
        C141
                    LD 2015
                                 1 28/05/2015
                                                                   4
                                                                              4
                                                 20
                                                       4
## 5
        C524
                    LD 2015
                                 1 05/04/2015
                                                 25
                                                       5
                                                                   4
                                                                              4
## 6
        C663
                    LD 2015
                                  1 07/04/2015
                                                 24
                                                       5
                                                                   5
                                                                              5
##
    Males Females deaths H2Fdeaths E2Hdeaths hatchsurvivalrate survivalrate
                        0
                                   0
## 1
         1
                 2
                                             0
                                                             1.00
                                                                          1.00
## 2
         4
                 1
                        0
                                   0
                                             0
                                                             1.00
                                                                          1.00
## 3
                 2
                                   0
         1
                        1
                                             1
                                                            0.75
                                                                          0.75
## 4
         2
                 2
                        0
                                   0
                                             0
                                                            1.00
                                                                          1.00
## 5
         3
                 1
                                   0
                                             1
                                                            0.80
                                                                          0.80
                        1
## 6
         3
                 2
                        0
                                   0
                                             0
                                                            1.00
                                                                          1.00
##
     femaleratio femaledeaths
## 1
       2.0000000
                    0.0000000
## 2
       0.2500000
                    0.000000
## 3
       2.0000000
                    2.0000000
## 4
       1.0000000
                    0.000000
## 5
       0.3333333
                    0.3333333
## 6
       0.6666667
                    0.000000
```

$\#Visualize\ the\ Data$

rubalcaba

| ## | | Mother | ${\tt Treatment}$ | Year | ${\tt Clutch}$ | Date | Nest | Eggs | ${\tt Hatchlings}$ | Fledglings |
|----|----|---------|-------------------|------|----------------|------------|------|------|--------------------|------------|
| ## | 1 | 3296489 | LD | 2015 | 1 | 14/04/2015 | 42 | 3 | 3 | 3 |
| ## | 2 | A703 | LD | 2015 | 1 | 08/04/2015 | 8 | 5 | 5 | 5 |
| ## | 3 | C038 | LD | 2015 | 1 | 08/04/2015 | 11 | 4 | 3 | 3 |
| ## | 4 | C141 | LD | 2015 | 1 | 28/05/2015 | 20 | 4 | 4 | 4 |
| ## | 5 | C524 | LD | 2015 | 1 | 05/04/2015 | 25 | 5 | 4 | 4 |
| ## | 6 | C663 | LD | 2015 | 1 | 07/04/2015 | 24 | 5 | 5 | 5 |
| ## | 7 | C699 | LD | 2015 | 1 | 12/05/2015 | 33 | 5 | 4 | 4 |
| ## | 8 | C708 | LD | 2015 | 1 | 08/04/2015 | 34 | 5 | 2 | 2 |
| ## | 9 | C723 | LD | 2015 | 1 | 10/04/2015 | 39 | 4 | 4 | 4 |
| ## | 10 | C853 | LD | 2015 | 1 | 08/04/2015 | 38 | 3 | 2 | 2 |
| ## | 11 | E013 | LD | 2015 | 1 | 19/04/2015 | 36 | 3 | 3 | 3 |
| ## | 12 | E117 | LD | 2015 | 1 | 08/04/2015 | 26 | 4 | 4 | 4 |
| ## | 13 | E152 | LD | 2015 | 1 | 07/04/2015 | 21 | 4 | 4 | 4 |

| ## | 14 | E201 | חז | 2015 | 1 | 07/04/2015 | 23 | 4 | 4 | 4 |
|----|----|---------|----|------|---|------------|----|---|---|---|
| | 15 | E201 | | 2015 | | 15/04/2015 | 37 | 5 | 5 | 5 |
| | 16 | G114 | | 2015 | | 07/04/2015 | 7 | 4 | 4 | 4 |
| | | | | | | | | | | |
| | 17 | G118 | | 2015 | | 03/06/2015 | 36 | 4 | 3 | 2 |
| ## | 18 | G224 | | 2015 | | 07/04/2015 | 41 | 5 | 5 | 5 |
| | 19 | H035 | | 2015 | | 20/05/2015 | 11 | 4 | 3 | 3 |
| | 20 | Н036 | | 2015 | | 21/05/2015 | 38 | 5 | 4 | 3 |
| | 21 | H069 | | 2015 | | 27/05/2015 | 35 | 4 | 4 | 4 |
| | 22 | A703 | | 2015 | | 25/05/2015 | 8 | 4 | 3 | 3 |
| ## | 23 | 3156330 | | 2015 | | 17/05/2015 | 45 | 5 | 5 | 3 |
| ## | 24 | 3402230 | | 2015 | | 07/04/2015 | 12 | 4 | 4 | 4 |
| ## | 25 | A663 | HD | 2015 | | 06/04/2015 | 45 | 6 | 6 | 5 |
| ## | 26 | A903 | HD | 2015 | 1 | 06/04/2015 | 43 | 5 | 5 | 5 |
| ## | 27 | C005 | HD | 2015 | 1 | 28/05/2015 | 28 | 4 | 3 | 3 |
| ## | 28 | C014 | HD | 2015 | 1 | 06/05/2015 | 46 | 3 | 3 | 3 |
| ## | 29 | C024 | HD | 2015 | 1 | 07/05/2015 | 13 | 5 | 5 | 5 |
| ## | 30 | C080 | HD | 2015 | 1 | 22/05/2015 | 16 | 5 | 5 | 4 |
| ## | 31 | C469 | HD | 2015 | 1 | 05/04/2015 | 29 | 6 | 6 | 6 |
| ## | 32 | C525 | HD | 2015 | 1 | 07/04/2015 | 31 | 4 | 4 | 4 |
| ## | 33 | C582 | HD | 2015 | 1 | 17/05/2015 | 15 | 5 | 5 | 4 |
| ## | 34 | C851 | HD | 2015 | 1 | 07/04/2015 | 27 | 4 | 4 | 4 |
| ## | 35 | C852 | HD | 2015 | 1 | 08/04/2015 | 15 | 4 | 4 | 4 |
| ## | 36 | D464 | HD | 2015 | 1 | 13/05/2015 | 44 | 5 | 5 | 4 |
| ## | 37 | E200 | HD | 2015 | 1 | 18/05/2015 | 14 | 5 | 5 | 4 |
| ## | 38 | E300 | HD | 2015 | 1 | 07/05/2015 | 5 | 5 | 5 | 5 |
| ## | 39 | G275 | HD | 2015 | 1 | 07/04/2015 | 1 | 5 | 4 | 4 |
| ## | 40 | A663 | HD | 2015 | 2 | 24/05/2015 | 47 | 5 | 5 | 5 |
| ## | 41 | A903 | HD | 2015 | 2 | 21/05/2015 | 43 | 5 | 4 | 4 |
| ## | 42 | C038 | HD | 2015 | 2 | 19/05/2015 | 17 | 5 | 4 | 3 |
| ## | 43 | C525 | HD | 2015 | 2 | 19/05/2015 | 31 | 4 | 3 | 3 |
| ## | 44 | C851 | HD | 2015 | 2 | 21/05/2015 | 27 | 5 | 4 | 4 |
| ## | 45 | 3156384 | LD | 2016 | 1 | 21/04/2016 | 34 | 4 | 4 | 4 |
| ## | 46 | 3296489 | LD | 2016 | | 15/05/2016 | 42 | 5 | 3 | 3 |
| ## | 47 | 3402517 | LD | 2016 | | 20/04/2016 | 9 | 4 | 4 | 4 |
| | 48 | C522 | | 2016 | 1 | | 37 | 5 | 5 | 4 |
| | 49 | C524 | | 2016 | 1 | | 19 | 5 | 5 | 5 |
| | 50 | C548 | | 2016 | 1 | | 7 | 5 | 5 | 5 |
| ## | 51 | C723 | | 2016 | 1 | 21/04/2016 | 39 | 5 | 5 | 5 |
| | 52 | E117 | | 2016 | 1 | | 26 | 5 | 5 | 5 |
| | 53 | E152 | | 2016 | 1 | | 21 | 5 | 5 | 5 |
| | 54 | E200 | | 2016 | 1 | | 8 | 4 | 4 | 4 |
| | 55 | E209 | | 2016 | 1 | | 38 | 5 | 5 | 5 |
| | 56 | G296 | | 2016 | 1 | | 18 | 5 | 4 | 4 |
| ## | 57 | G606 | | 2016 | 1 | | 23 | 3 | 3 | 2 |
| ## | 58 | H024 | | 2016 | 1 | | 24 | 5 | 5 | 5 |
| | 59 | H069 | | 2016 | | 05/06/2016 | 33 | 4 | 4 | 4 |
| ## | 60 | H153 | | 2016 | 1 | | 20 | 6 | 4 | 3 |
| ## | 61 | H202 | | 2016 | 1 | | 25 | 5 | 5 | 4 |
| ## | 62 | 3402517 | | 2016 | | 04/06/2016 | 9 | 5 | 4 | 4 |
| ## | 63 | E152 | | 2016 | | 07/06/2016 | 21 | 5 | 3 | 3 |
| ## | 64 | 3156330 | | 2016 | 1 | 20/04/2016 | 45 | 5 | 5 | 5 |
| | 65 | 3389073 | | 2016 | | 20/04/2016 | 29 | 5 | 5 | 5 |
| | 66 | A663 | | 2016 | | 20/04/2016 | 44 | 4 | 4 | 4 |
| ## | | A903 | | 2016 | | 19/04/2016 | 43 | 4 | 4 | 4 |
| ## | 01 | нэоэ | עח | 2010 | 1 | 13/04/2010 | 43 | 4 | 4 | 4 |

| ## | 68 | C005 | HD | 2016 | | 20/04/2016 | 28 | 4 | 4 | 4 |
|----|----------|--------------|----|-------------------------------------|---|--------------------------|----------|--------|--------|--------|
| ## | 69 | C024 | HD | 2016 | 1 | 20/04/2016 | 13 | 4 | 3 | 3 |
| ## | 70 | C080 | HD | 2016 | 1 | 21/04/2016 | 16 | 3 | 3 | 1 |
| ## | 71 | C170 | HD | 2016 | 1 | 19/04/2016 | 47 | 4 | 4 | 4 |
| ## | 72 | C525 | HD | 2016 | 1 | 20/04/2016 | 31 | 5 | 5 | 5 |
| ## | 73 | C527 | HD | 2016 | 1 | 20/04/2016 | 30 | 5 | 5 | 5 |
| ## | 74 | C716 | HD | 2016 | 1 | 27/04/2016 | 2 | 5 | 4 | 3 |
| ## | 75 | C851 | HD | 2016 | 1 | 04/06/2016 | 27 | 5 | 5 | 4 |
| ## | 76 | D706 | HD | 2016 | 1 | 07/06/2016 | 14 | 4 | 1 | 1 |
| ## | 77 | G294 | | 2016 | 1 | | 15 | 4 | 4 | 4 |
| ## | 78 | G611 | | 2016 | 1 | | 3 | 2 | 2 | 2 |
| ## | 79 | G615 | | 2016 | 1 | 04/06/2016 | 15 | 6 | 4 | 4 |
| ## | 80 | H152 | | 2016 | 1 | | 12 | 3 | 2 | 2 |
| ## | 81 | H203 | | 2016 | 1 | | 14 | 4 | 4 | 4 |
| ## | 82 | H324 | | 2016 | 1 | | 32 | 4 | 4 | 0 |
| ## | 83 | A663 | | 2016 | | 05/06/2016 | 44 | 4 | 3 | 3 |
| ## | 84 | C080 | | 2016 | 2 | | 16 | 5 | 4 | 4 |
| ## | 85 | H203 | | 2016 | | 06/06/2016 | 28 | 5 | 3 | 0 |
| ## | 86 | 3389073 | | 2017 | | 09/05/2017 | 25 | 5 | 4 | 4 |
| ## | 87 | 3408094 | | 2017 | 1 | | 9 | 5 | 5 | 5 |
| ## | 88 | 3410354 | | 2017 | 1 | | 40 | 5 | 5 | 5 |
| ## | 89 | 3410366 | | 2017 | 1 | | 10 | 5 | 4 | 4 |
| ## | 90 | 3411609 | | 2017 | 1 | | 33 | 5 | 5 | 5 |
| ## | 91 | 3423966 | | 2017 | | 20/05/2017 | 35 | 5 | 5 | 5 |
| ## | 92 | C014 | | 2017 | 1 | | 42 | 5 | 3 | 3 |
| ## | 93 | C522 | | 2017 | | 07/05/2017 | 37 | 6 | 6 | 5 |
| ## | 94 | C548 | | 2017 | | 15/04/2017 | 7 | 4 | 4 | 4 |
| ## | 95 | C853 | | 2017 | 1 | | 34 | 5 | 3 | 2 |
| ## | 96 97 | E227 E301 | | 20172017 | | 12/05/2017 29/04/2017 | 41 | 5 | 5 5 | 5 |
| ## | 91 98 | G147 | | 2017 | | 15/04/2017 | 11 39 | 6 5 | 3 | 5 3 |
| ## | 99 | G147 G166 | | 2017 | | 15/04/2017 | 26 | 6 | 6 | 6 |
| ## | 100 | G296 | | 2017 | 1 | | 18 | 5 | 5 | 5 |
| ## | 101 | G849 | | 2017 | | 08/05/2017 | 23 | 5 | 5 | 5 |
| ## | 102 | G961 | | 2017 | | 14/04/2017 | 38 | 5 | 4 | 4 |
| ## | 103 | H047 | | 2017 | 1 | | 19 | 5 | 5 | 1 |
| | 104 | H153 | | 2017 | | 15/05/2017 | 36 | 6 | 6 | 6 |
| | 105 | H901 | | 2017 | | 16/04/2017 | 20 | 5 | 4 | 4 |
| | 106 | C548 | | 2017 | | 03/06/2017 | 7 | 4 | 2 | 0 |
| | 107 | G166 | | 2017 | 2 | 42889 | 26 | 5 | 4 | 2 |
| | 108 | H901 | | 2017 | | 03/06/2017 | 20 | 4 | 3 | 2 |
| | 109 | 3410802 | | 2017 | | 16/04/2017 | 27 | 5 | 5 | 5 |
| | 110 | C170 | | 2017 | | 15/04/2017 | 47 | 5 | 5 | 5 |
| ## | 111 | C533 | | 2017 | | 16/04/2017 | 14 | 4 | 2 | 1 |
| ## | 112 | C852 | HD | 2017 | 1 | 16/04/2017 | 15 | 5 | 5 | 5 |
| ## | 113 | E313 | HD | 2017 | 1 | 15/04/2017 | 16 | 4 | 4 | 4 |
| ## | 114 | G681 | HD | 2017 | 1 | 14/04/2017 | 13 | 5 | 5 | 5 |
| ## | 115 | G845 | HD | 2017 | 1 | 15/04/2017 | 32 | 5 | 5 | 5 |
| ## | 116 | G890 | HD | 2017 | 1 | 01/05/2017 | 46 | 5 | 3 | 3 |
| ## | 117 | H178 | | 2017 | | 29/04/2017 | 29 | 5 | 5 | 5 |
| | 118 | H202 | | 2017 | | 15/04/2017 | 12 | 5 | 5 | 5 |
| | 119 | H203 | | 2017 | | 29/05/2017 | 44 | 5 | 3 | 2 |
| | 120 | H301 | | 2017 | | 15/04/2017 | 4 | 5 | 4 | 4 |
| ## | 121 | H404 | HD | 2017 | 1 | 20/04/2017 | 1 | 3 | 2 | 2 |

| ## | 122 | H423 | HD | 2017 | 1 | 22/04/2017 | 2 | 4 | 4 | 4 |
|----|-----|----------|----|------|---|------------|----|---|---|---|
| ## | 123 | H907 | HD | 2017 | | 30/04/2017 | 6 | 4 | 4 | 4 |
| ## | 124 | C170 | HD | 2017 | 2 | 05/06/2017 | 47 | 4 | 3 | 2 |
| ## | 125 | C533 | HD | 2017 | 2 | 03/06/2017 | 17 | 4 | 4 | 4 |
| ## | 126 | H404 | HD | 2017 | 2 | 02/06/2017 | 1 | 5 | 4 | 1 |
| ## | 127 | 3410362 | LD | 2018 | 1 | 25/04/2018 | 11 | 3 | 3 | 3 |
| ## | 128 | 3410794 | LD | 2018 | 1 | 11/06/2018 | 38 | 5 | 4 | 2 |
| ## | 129 | C014 | LD | 2018 | 1 | 23/04/2018 | 41 | 5 | 3 | 3 |
| ## | 130 | C503 | LD | 2018 | 1 | 24/04/2018 | 19 | 4 | 4 | 4 |
| ## | 131 | C548 | LD | 2018 | 1 | 25/05/2018 | 7 | 5 | 4 | 4 |
| ## | 132 | C853 | LD | 2018 | 1 | 24/04/2018 | 34 | 5 | 5 | 5 |
| ## | 133 | G166 | LD | 2018 | 1 | 24/04/2018 | 26 | 6 | 4 | 4 |
| ## | 134 | G190 | LD | 2018 | 1 | 23/04/2018 | 21 | 5 | 5 | 5 |
| ## | 135 | G388 | LD | 2018 | 1 | 12/06/2018 | 35 | 5 | 5 | 4 |
| ## | 136 | G681 | LD | 2018 | 1 | 23/04/2018 | 9 | 5 | 5 | 5 |
| ## | 137 | G740 | LD | 2018 | 1 | 04/06/2018 | 26 | 5 | 4 | 3 |
| ## | 138 | H178 | LD | 2018 | 1 | 10/06/2018 | 33 | 5 | 5 | 3 |
| ## | 139 | H407 | LD | 2018 | 1 | 08/06/2018 | 23 | 5 | 3 | 2 |
| ## | 140 | H570 | LD | 2018 | 1 | 08/06/2018 | 37 | 4 | 3 | 3 |
| ## | 141 | H619 bis | LD | 2018 | 1 | 16/05/2018 | 20 | 5 | 5 | 5 |
| ## | 142 | H680 | LD | 2018 | 1 | 24/04/2018 | 25 | 4 | 2 | 0 |
| ## | 143 | H903 | LD | 2018 | 1 | 25/04/2018 | 42 | 5 | 5 | 5 |
| ## | 144 | H907 | LD | 2018 | 1 | 17/05/2018 | 8 | 5 | 5 | 5 |
| ## | 145 | C503 | LD | 2018 | 2 | 05/06/2018 | 19 | 4 | 3 | 3 |
| ## | 146 | G190 | LD | 2018 | 2 | 09/06/2018 | 21 | 5 | 4 | 4 |
| ## | 147 | G681 | LD | 2018 | 2 | 06/06/2018 | 9 | 5 | 2 | 0 |
| ## | 148 | H680 | LD | 2018 | 2 | 16/05/2018 | 25 | 5 | 2 | 2 |
| ## | 149 | 3410354 | HD | 2018 | 1 | 24/04/2018 | 48 | 5 | 4 | 4 |
| ## | 150 | 3410802 | HD | 2018 | 1 | 17/05/2018 | 27 | 5 | 5 | 5 |
| ## | 151 | 3423966 | HD | 2018 | 1 | 23/04/2018 | 5 | 5 | 4 | 4 |
| ## | 152 | 3424705 | HD | 2018 | 1 | 24/05/2018 | 31 | 4 | 4 | 4 |
| ## | 153 | A663 | HD | 2018 | 1 | 25/04/2018 | 43 | 4 | 3 | 3 |
| ## | 154 | C170 | HD | 2018 | 1 | 23/04/2018 | 47 | 4 | 4 | 4 |
| ## | 155 | C533 | HD | 2018 | 1 | 23/04/2018 | 17 | 5 | 5 | 5 |
| ## | 156 | E227 | HD | 2018 | 1 | 25/04/2018 | 44 | 5 | 5 | 5 |
| ## | 157 | E301 | HD | 2018 | 1 | 25/04/2018 | 14 | 3 | 3 | 3 |
| ## | 158 | E313 | HD | 2018 | 1 | 24/04/2018 | 16 | 4 | 4 | 4 |
| ## | 159 | G296 | HD | 2018 | 1 | 25/04/2018 | 32 | 4 | 3 | 3 |
| ## | 160 | G847 | HD | 2018 | 1 | 23/04/2018 | 2 | 5 | 5 | 5 |
| ## | 161 | H423 | HD | 2018 | 1 | 19/05/2018 | 3 | 4 | 3 | 3 |
| ## | 162 | H558 | HD | 2018 | 1 | 16/05/2018 | 46 | 5 | 4 | 4 |
| ## | 163 | Н676 | HD | 2018 | 1 | 10/06/2018 | 12 | 5 | 4 | 4 |
| ## | 164 | H689 | HD | 2018 | 1 | 18/05/2018 | 30 | 5 | 5 | 0 |
| ## | 165 | H812 | HD | 2018 | 1 | 18/05/2018 | 6 | 3 | 2 | 2 |
| ## | 166 | H902 | HD | 2018 | 1 | 24/04/2018 | 15 | 5 | 4 | 4 |
| ## | 167 | 3410354 | HD | 2018 | 2 | 15/06/2018 | 48 | 5 | 4 | 3 |
| ## | 168 | 3423966 | HD | 2018 | 2 | 08/06/2018 | 5 | 5 | 3 | 0 |
| ## | 169 | A663 | HD | 2018 | 2 | 15/06/2018 | 43 | 4 | 3 | 3 |
| ## | 170 | E301 | HD | 2018 | 2 | 08/06/2018 | 14 | 4 | 4 | 4 |
| ## | 171 | G296 | HD | 2018 | 2 | 06/06/2018 | 32 | 6 | 4 | 4 |
| ## | 172 | C548 | | 2019 | | 20/04/2019 | 7 | 4 | 4 | 4 |
| | 173 | H907 | | 2019 | | 26/04/2019 | 8 | 5 | 5 | 5 |
| ## | 174 | 3410362 | | 2019 | | 19/04/2019 | 11 | 4 | 3 | 3 |
| ## | 175 | G849 | LD | 2019 | 1 | 19/04/2019 | 18 | 5 | 4 | 1 |

| ## | 176 | C503 | LD | 2019 | 1 | 20/04/2019 | 19 | 5 | 5 | 5 |
|----|-----|----------|----|------|---|-------------|---------|-----------|--------|------|
| ## | 177 | C503 | LD | 2019 | 2 | 05/06/2019 | 19 | 3 | 3 | 2 |
| ## | 178 | E378 | LD | 2019 | 1 | 22/04/2019 | 20 | 4 | 4 | 4 |
| ## | 179 | G190 | LD | 2019 | 1 | 18/04/2019 | 21 | 6 | 6 | 6 |
| ## | 180 | E460 | LD | 2019 | 2 | 05/05/2019 | 22 | 5 | 5 | 5 |
| ## | 181 | H504 | LD | 2019 | 2 | 03/05/2019 | 24 | 5 | 5 | 5 |
| ## | 182 | H680 | LD | 2019 | 1 | 21/04/2019 | 25 | 3 | 3 | 3 |
| ## | 183 | H680 | LD | 2019 | 2 | 06/06/2019 | 25 | 4 | 3 | 3 |
| ## | 184 | H619 bis | LD | 2019 | 2 | 11/05/2019 | 26 | 5 | 5 | 5 |
| ## | 185 | H178 | LD | 2019 | 1 | 03/05/2019 | 33 | 5 | 3 | 3 |
| ## | 186 | H178 | LD | 2019 | 2 | 16/06/2019 | 33 | 4 | 3 | 2 |
| ## | 187 | H558 | LD | 2019 | 1 | 19/04/2019 | 34 | 5 | 3 | 3 |
| ## | 188 | C014 | LD | 2019 | 1 | 18/04/2019 | 41 | 5 | 4 | 4 |
| ## | 189 | B256 | LD | 2019 | 2 | 07/05/2019 | 42 | 5 | 3 | 3 |
| ## | 190 | G847 | HD | 2019 | 1 | 03/04/2019 | 2 | 5 | 5 | 5 |
| ## | 191 | H540 | HD | 2019 | 1 | 19/04/2019 | 3 | 5 | 5 | 5 |
| ## | 192 | E666 | HD | 2019 | 1 | 23/04/2019 | 6 | 3 | 3 | 3 |
| ## | 193 | E614 | HD | 2019 | 2 | 29/05/2019 | 6 | 3 | 1 | 0 |
| ## | 194 | G681 | HD | 2019 | 1 | 17/04/2019 | 12 | 5 | 5 | 5 |
| ## | 195 | H813 | HD | 2019 | 1 | 20/04/2019 | 13 | 4 | 4 | 4 |
| ## | 196 | E301 | HD | 2019 | 1 | 20/04/2019 | 14 | 5 | 4 | 4 |
| ## | 197 | E534 | HD | 2019 | 1 | 30/04/2019 | 15 | 6 | 5 | 5 |
| ## | 198 | E313 | HD | 2019 | 1 | 21/04/2019 | 16 | 5 | 3 | 3 |
| ## | 199 | E313 | HD | 2019 | 2 | 06/06/2019 | 16 | 4 | 4 | 1 |
| ## | 200 | C533 | HD | 2019 | 3 | 11/05/2019 | 17 | 5 | 5 | 5 |
| ## | 201 | G166 | | 2019 | 2 | 01/05/2019 | 28 | 6 | 6 | 6 |
| ## | 202 | 3424705 | | 2019 | 1 | 18/04/2019 | 31 | 5 | 5 | 3 |
| ## | 203 | 3424705 | HD | 2019 | 2 | 05/06/2019 | 31 | 4 | 3 | 3 |
| ## | 204 | H770 | HD | 2019 | 2 | 15/05/2019 | 43 | 4 | 4 | 4 |
| ## | 205 | E227 | HD | 2019 | | 04/06/2019 | 44 | 4 | 2 | 2 |
| ## | 206 | H451 | | 2019 | | 18/04/2019 | 45 | 5 | 4 | 3 |
| ## | 207 | G849 | HD | 2019 | | 31/05/2019 | 45 | 4 | 3 | 3 |
| ## | 208 | B337 | | 2019 | | 01/06/2019 | 46 | 3 | 3 | 2 |
| ## | 209 | C170 | | 2019 | | 19/04/2019 | 47 | 5 | 5 | 5 |
| ## | 210 | B336 | | 2019 | | 02/06/2019 | 47 | 4 | 4 | 2 |
| ## | | | | | | E2Hdeaths h | natchsi | | | |
| ## | | 1 | | 0 | 0 | | | 1.0000000 | | |
| ## | | 4 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| ## | | 1 | 2 | 1 | 0 | 1 | | 0.7500000 | 0.750 | |
| ## | | 2 | 2 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| ## | | 3 | 1 | 1 | 0 | 1 | | 0.8000000 | 0.800 | |
| ## | | 3 | 2 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| ## | | 3 | 1 | 1 | 0 | 1 | | 0.8000000 | 0.800 | |
| ## | | 0 | 2 | 3 | 0 | 3 | | 0.4000000 | 0.4000 | |
| ## | | 1 | 3 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| ## | | 2 | 0 | 1 | 0 | 1 | | 0.6666667 | 0.6666 | |
| | 11 | 2 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| | 12 | 4 | 0 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| | 13 | 1 | 3 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| | 14 | 0 | 4 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| | 15 | 2 | 3 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| | 16 | 3 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | |
| | 17 | 3 | 0 | 2 | 1 | 1 | | 0.7500000 | 0.5000 | |
| ## | 18 | 4 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000 | J000 |

| ## 19 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
|-------|---|---|---|---|---|-----------|-----------|
| ## 20 | 1 | 3 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## 21 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 22 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## 23 | 2 | 3 | 2 | 2 | 0 | 1.0000000 | 0.6000000 |
| ## 24 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 3 | 3 | 1 | | | 1.0000000 | 0.8333333 |
| | | | | 1 | 0 | | |
| ## 26 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 27 | 0 | 3 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## 28 | 2 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 29 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 30 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## 31 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 32 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 33 | 1 | 4 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## 34 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 35 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 36 | 2 | 3 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## 37 | 1 | 4 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## 38 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 39 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 40 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | | | | | | | 0.8000000 |
| ## 41 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | |
| ## 42 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## 43 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## 44 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 45 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 46 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## 47 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 48 | 4 | 1 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## 49 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 50 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 51 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 52 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 53 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 54 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 55 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 4 | 0 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| | 2 | 1 | 1 | | | 1.0000000 | 0.6666667 |
| | | | | 1 | 0 | | |
| ## 58 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 59 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 60 | 3 | 1 | 3 | 1 | 2 | 0.6666667 | 0.5000000 |
| ## 61 | 2 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## 62 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 63 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## 64 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 65 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 66 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 67 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 68 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 69 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## 70 | 1 | 2 | 2 | 2 | 0 | 1.0000000 | 0.3333333 |
| ## 71 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 72 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 12 | 1 | 4 | U | U | U | 1.0000000 | 1.0000000 |

| ## | 73 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
|----|-----|---|---|---|---|---|-----------|-----------|
| ## | 74 | 3 | 1 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 75 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 76 | 0 | 1 | 3 | 0 | 3 | 0.2500000 | 0.2500000 |
| ## | 77 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 78 | 1 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | | | | | | | | |
| | 79 | 0 | 4 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| | 80 | 0 | 2 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| ## | 81 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 82 | 2 | 2 | 4 | 4 | 0 | 1.0000000 | 0.0000000 |
| ## | 83 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 84 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 85 | 2 | 1 | 5 | 3 | 2 | 0.6000000 | 0.0000000 |
| ## | 86 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 87 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 88 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 89 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 90 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 91 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 92 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | | 3 | | | | | | |
| ## | 93 | | 3 | 1 | 1 | 0 | 1.0000000 | 0.8333333 |
| ## | 94 | 4 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 95 | 1 | 2 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## | 96 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 97 | 3 | 2 | 1 | 0 | 1 | 0.8333333 | 0.8333333 |
| ## | 98 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 99 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 100 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 101 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 102 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 103 | 2 | 3 | 4 | 4 | 0 | 1.0000000 | 0.2000000 |
| ## | 104 | 1 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 105 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 106 | 2 | 0 | 4 | 2 | 2 | 0.5000000 | 0.0000000 |
| ## | 107 | 2 | 2 | 3 | 2 | 1 | 0.8000000 | 0.4000000 |
| ## | 108 | 1 | 2 | 2 | 1 | 1 | 0.7500000 | 0.5000000 |
| | 100 | 2 | 3 | 0 | 0 | | 1.0000000 | 1.0000000 |
| | | | | | | 0 | | |
| ## | 110 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 111 | 2 | 0 | 3 | 1 | 2 | 0.5000000 | 0.2500000 |
| | 112 | 2 | 3 | 0 | 0 | 0 | 1.000000 | 1.000000 |
| | 113 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 114 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 115 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 116 | 1 | 2 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 117 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 118 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 119 | 1 | 2 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## | 120 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 121 | 0 | 2 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| | 122 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 123 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 124 | 1 | 2 | 2 | 1 | 1 | 0.7500000 | 0.5000000 |
| | 125 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | | | | | | | | |
| ## | 126 | 3 | 1 | 4 | 3 | 1 | 0.8000000 | 0.2000000 |

| ## | 127 | 3 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
|----|-----|---|---|---|---|---|-----------|-----------|
| ## | 128 | 4 | 0 | 3 | 2 | 1 | 0.8000000 | 0.4000000 |
| ## | 129 | 3 | 0 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 130 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 131 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 132 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | | | | | | | | |
| ## | 133 | 3 | 1 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| ## | 134 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 135 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 136 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 137 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 138 | 1 | 4 | 2 | 2 | 0 | 1.0000000 | 0.6000000 |
| ## | 139 | 2 | 1 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## | 140 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 141 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 142 | 1 | 1 | 4 | 2 | 2 | 0.5000000 | 0.0000000 |
| ## | 143 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 144 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 145 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 146 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| | 147 | 2 | 0 | 5 | 2 | | 0.4000000 | 0.0000000 |
| ## | | | | | | 3 | | |
| ## | 148 | 1 | 1 | 3 | 0 | 3 | 0.4000000 | 0.4000000 |
| ## | 149 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 150 | 4 | 1 | 0 | 0 | 0 | 1.000000 | 1.000000 |
| ## | 151 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 152 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 153 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 154 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 155 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 156 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 157 | 2 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 158 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 159 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 160 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 161 | 0 | 3 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 162 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| | 163 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 164 | 3 | 2 | 5 | 5 | 0 | 1.0000000 | 0.0000000 |
| | 165 | | 1 | 1 | 0 | | 0.6666667 | 0.6666667 |
| | | 1 | | | | 1 | | |
| | 166 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| | 167 | 0 | 4 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| | 168 | 0 | 3 | 5 | 3 | 2 | 0.6000000 | 0.0000000 |
| | 169 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 170 | 4 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 171 | 3 | 1 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| ## | 172 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 173 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 174 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 175 | 4 | 0 | 4 | 3 | 1 | 0.8000000 | 0.2000000 |
| ## | 176 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 177 | 1 | 2 | 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| | 178 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 179 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 180 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| тπ | 100 | 4 | 5 | • | • | • | 1.000000 | 1.000000 |

| ## | 181 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
|--|--|---|--------|--|---|---|-----------|-----------|
| ## | 182 | 1 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 183 | 3 | 0 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 184 | 0 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 185 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | 186 | 3 | 0 | 2 | 1 | 1 | 0.7500000 | 0.5000000 |
| | | | | | | | | |
| | 187 | 1 | 2 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | 188 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 189 | 3 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 190 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 191 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 192 | 1 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 193 | 0 | 1 | 3 | 1 | 2 | 0.3333333 | 0.0000000 |
| ## | 194 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 195 | 1 | 3 | 0 | 0 | | 1.0000000 | 1.0000000 |
| | | | | | | 0 | | |
| ## | 196 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 197 | 1 | 4 | 1 | 0 | 1 | 0.8333333 | 0.8333333 |
| ## | 198 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 199 | 1 | 3 | 3 | 3 | 0 | 1.0000000 | 0.2500000 |
| ## | 200 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 201 | 1 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 202 | 3 | 3 | 2 | 2 | 0 | 1.0000000 | 0.6000000 |
| | 203 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| | 204 | 1 | 3 | 0 | 0 | | 1.000000 | 1.0000000 |
| | | | | | | 0 | | |
| | 205 | 2 | 0 | 2 | 0 | 2 | 0.5000000 | 0.5000000 |
| ## | 206 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 207 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 208 | 1 | 2 | 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| | | - | _ | | _ | • | 1.0000000 | 0.0000001 |
| ## | 209 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## | 209 210 | | | | | | | |
| | | 1 3 | 4 1 | 0 2 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## | 210 | 1 3 femaleratio | 4 1 | 0 2 maledeaths | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## | 2101 | 1 3 femaleratio 2.0000000 | 4 1 | 0 2 maledeaths 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## | 210 1 2 | 1 3 femaleratio 2.0000000 0.2500000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## | 210 1 2 3 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## | 210 1 2 3 4 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## | 210 1 2 3 4 5 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.33333333 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 0.33333333 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## | 210 1 2 3 4 5 6 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.33333333 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 0.33333333 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.66666667 | 4 1 | 0 2 maledeaths 0.000000 0.000000 2.000000 0.333333 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 | 1 3 femaleratio 2.000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.33333333 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.3333333 0.0000000 0.3333333 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 0.3333333 Inf 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 0.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 | 1 3 femaleratio 2.0000000 0.2500000 1.0000000 0.333333 0.6666667 0.3333333 Inf 3.0000000 0.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.00000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.0000000 3.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.0000000 1nf | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | 1 3 femaleratio 2.000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.0000000 Inf 1.5000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.5000000 Inf 1.5000000 0.3333333 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.5000000 1nf 1.5000000 0.3333333 0.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.5000000 Inf 1.5000000 0.3333333 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 0.0000000 0.5000000 0.5000000 1nf 1.5000000 0.3333333 0.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 2.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 0.6666667 0.3333333 Inf 3.0000000 0.5000000 0.5000000 0.0000000 Inf 1.5000000 0.33333333 0.0000000 0.2500000 0.5000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## ## ## ## ## ## ## ## ## ## ## ## ## | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 Inf 3.0000000 0.0000000 0.5000000 Inf 1.5000000 0.3333333 0.000000 0.3333333 0.000000 0.5500000 0.3500000 0.3500000 0.2500000 0.5000000 3.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ###################################### | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 Inf 3.0000000 0.5000000 0.0000000 Inf 1.5000000 0.3333333 0.000000 0.2500000 0.5000000 0.5000000 0.3333333 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |
| ###################################### | 210 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | 1 3 femaleratio 2.0000000 0.2500000 2.0000000 1.0000000 0.3333333 Inf 3.0000000 0.0000000 0.5000000 Inf 1.5000000 0.3333333 0.000000 0.3333333 0.000000 0.5500000 0.3500000 0.3500000 0.2500000 0.5000000 3.0000000 | 4 1 | 0 2 maledeaths 0.0000000 0.0000000 0.0000000 0.3333333 0.0000000 0.3333333 Inf 0.0000000 0.0000000 0.0000000 0.0000000 | 0 | 0 | 1.0000000 | 1.0000000 |

| ## | 24 | 3.0000000 | 0.0000000 |
|----|----|-----------|-----------|
| ## | 25 | 1.0000000 | 1.0000000 |
| ## | 26 | 1.5000000 | 0.0000000 |
| ## | 27 | Inf | Inf |
| ## | 28 | 0.5000000 | 0.0000000 |
| ## | 29 | 4.0000000 | 0.0000000 |
| ## | 30 | 0.6666667 | 0.6666667 |
| ## | 31 | 1.0000000 | 0.0000000 |
| ## | 32 | 0.3333333 | 0.0000000 |
| ## | 33 | 4.0000000 | 4.0000000 |
| ## | 34 | 1.0000000 | 0.0000000 |
| ## | 35 | 3.0000000 | 0.0000000 |
| ## | 36 | 1.5000000 | 1.5000000 |
| ## | 37 | 4.0000000 | 4.0000000 |
| ## | 38 | 4.0000000 | 0.0000000 |
| ## | 39 | 0.3333333 | 0.3333333 |
| ## | 40 | 1.5000000 | 0.0000000 |
| ## | 41 | 3.0000000 | 3.0000000 |
| ## | 42 | 1.0000000 | 2.0000000 |
| ## | 43 | 2.0000000 | 2.0000000 |
| ## | 44 | 3.0000000 | 3.0000000 |
| ## | 45 | 0.3333333 | 0.0000000 |
| ## | 46 | 0.5000000 | 1.0000000 |
| ## | 47 | 1.0000000 | 0.0000000 |
| ## | 48 | 0.2500000 | 0.2500000 |
| ## | 49 | 4.0000000 | 0.0000000 |
| ## | 50 | 0.2500000 | 0.0000000 |
| ## | 51 | 0.6666667 | 0.0000000 |
| ## | 52 | 0.6666667 | 0.0000000 |
| ## | 53 | 4.0000000 | 0.0000000 |
| ## | 54 | 3.0000000 | 0.0000000 |
| ## | 55 | 1.5000000 | 0.0000000 |
| ## | 56 | 0.0000000 | 0.0000000 |
| ## | 57 | 0.5000000 | 0.5000000 |
| ## | 58 | 4.0000000 | 0.0000000 |
| ## | 59 | 1.0000000 | 0.0000000 |
| ## | 60 | 0.3333333 | 1.0000000 |
| ## | 61 | 1.0000000 | 1.0000000 |
| ## | 62 | 3.0000000 | 3.0000000 |
| ## | 63 | 0.5000000 | 1.0000000 |
| ## | 64 | 0.2500000 | 0.0000000 |
| ## | 65 | 0.2500000 | 0.0000000 |
| ## | 66 | 3.0000000 | 0.0000000 |
| ## | 67 | 1.0000000 | 0.0000000 |
| ## | 68 | 1.0000000 | 0.0000000 |
| ## | 69 | 2.0000000 | 2.0000000 |
| ## | 70 | 2.0000000 | 4.0000000 |
| ## | 71 | 3.0000000 | 0.0000000 |
| ## | 72 | 4.0000000 | 0.0000000 |
| ## | 73 | 1.5000000 | 0.0000000 |
| ## | 74 | 0.3333333 | 0.6666667 |
| ## | 75 | 0.6666667 | 0.6666667 |
| ## | 76 | Inf | Inf |
| ## | 77 | 3.0000000 | 0.0000000 |
| | | | |

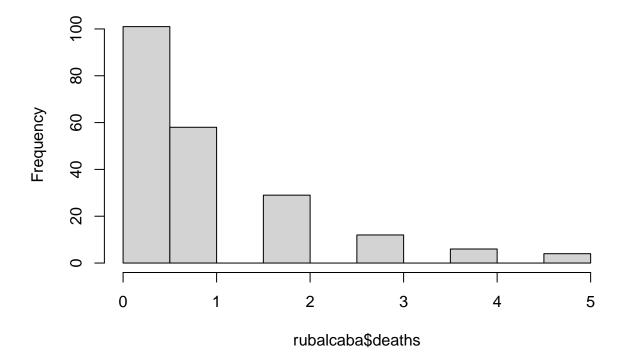
| ## | 78 | 1.0000000 | 0.0000000 |
|----|------------|------------------------|------------------|
| ## | 79 | Inf | Inf |
| ## | 80 | Inf | Inf |
| ## | 81 | 3.0000000 | 0.0000000 |
| ## | 82 | 1.0000000 | 4.000000 |
| ## | 83 | 2.0000000 | 2.0000000 |
| ## | 84 | 3.0000000 | 3.0000000 |
| ## | 85 | 0.5000000 | 2.5000000 |
| ## | 86 | 0.3333333 | 0.3333333 |
| ## | 87 | 0.6666667 | 0.0000000 |
| ## | 88 | 0.6666667 | 0.0000000 |
| ## | 89 | Inf | Inf |
| ## | 90 | 0.6666667 | 0.0000000 |
| ## | 91 | 0.6666667 | 0.0000000 |
| ## | 92 | 0.5000000 | 1.0000000 |
| ## | 93 | 1.0000000 | 1.0000000 |
| ## | 94 | 0.0000000 | 0.0000000 |
| ## | 95 | 2.0000000 | 6.0000000 |
| ## | 96 | 0.6666667 | 0.0000000 |
| ## | 97 | 0.6666667 | 0.6666667 |
| ## | 98 | 0.5000000 | 1.0000000 |
| ## | 99 | 1.0000000 | 0.0000000 |
| ## | 100 | 0.6666667 | 0.0000000 |
| ## | 101 | 1.5000000 | 0.0000000 |
| ## | 102 | 1.0000000 | 1.0000000 |
| ## | 103 | 1.5000000 | 6.0000000 |
| ## | 104 | 5.0000000 | 0.0000000 |
| ## | 105 | 3.0000000 | 3.0000000 |
| ## | 106 | 0.0000000 | 0.0000000 |
| ## | 107 | 1.0000000 | 3.0000000 |
| ## | 108 | 2.0000000 | 4.0000000 |
| ## | 109 | 1.5000000 | 0.0000000 |
| ## | 110 | 0.6666667 | 0.0000000 |
| ## | 111 | 0.0000007 | 0.0000000 |
| ## | 112 | 1.5000000 | 0.0000000 |
| ## | 113 | 0.3333333 | 0.0000000 |
| ## | 114 | 0.2500000 | 0.0000000 |
| ## | 115 | 0.6666667 | 0.0000000 |
| ## | 116 | 2.0000000 | 4.0000000 |
| ## | 117 | 1.5000000 | 0.0000000 |
| ## | 118 | 1.5000000 | 0.0000000 |
| ## | 119 | 2.0000000 | 6.0000000 |
| ## | 120 | 1.0000000 | 1.0000000 |
| ## | 121 | Inf | 1.0000000 Inf |
| ## | 122 | 3.0000000 | 0.0000000 |
| ## | 123 | 0.3333333 | 0.0000000 |
| | | | |
| ## | 124 125 | 2.0000000 1.0000000 | 4.0000000 |
| ## | 126 | 0.3333333 | |
| ## | | | 1.3333333 |
| ## | 127 | 0.0000000 | 0.0000000 |
| ## | 128 | 0.0000000 | 0.0000000 |
| ## | 129 | 0.0000000 | 0.0000000 |
| ## | 130 | 1.0000000 | 0.0000000 |
| ## | 131 | 3.0000000 | 3.0000000 |

```
## 132
         1.5000000
                       0.000000
## 133
         0.3333333
                       0.6666667
##
  134
         1.5000000
                       0.0000000
  135
##
         0.666667
                       0.6666667
##
   136
         0.666667
                       0.0000000
## 137
         1.0000000
                       2.0000000
## 138
         4.0000000
                       8.0000000
## 139
         0.5000000
                       1.5000000
## 140
         2.0000000
                       2.0000000
## 141
         0.6666667
                       0.0000000
## 142
         1.0000000
                       4.000000
   143
##
         1.5000000
                       0.0000000
##
   144
         4.000000
                       0.000000
         0.5000000
                       0.5000000
##
   145
## 146
         1.0000000
                       1.0000000
##
   147
         0.000000
                       0.000000
##
  148
         1.0000000
                       3.0000000
##
   149
         1.000000
                       1.0000000
  150
##
         0.2500000
                       0.0000000
##
   151
         3.0000000
                       3.0000000
##
  152
         3.0000000
                       0.000000
## 153
         2.0000000
                       2.0000000
## 154
         0.3333333
                       0.000000
  155
##
         0.666667
                       0.0000000
## 156
         1.5000000
                       0.0000000
##
  157
         0.5000000
                       0.0000000
   158
##
         1.0000000
                       0.0000000
##
   159
         2.0000000
                       2.0000000
##
  160
         0.666667
                       0.000000
## 161
                             Inf
                Inf
##
   162
         3.0000000
                       3.0000000
##
  163
                Inf
                             Inf
##
   164
         0.666667
                       3.3333333
  165
##
         1.0000000
                       1.0000000
##
   166
         0.3333333
                       0.3333333
##
  167
               Inf
                             Inf
## 168
                Inf
                             Inf
## 169
         0.5000000
                       0.5000000
##
  170
         0.000000
                       0.0000000
## 171
         0.3333333
                       0.6666667
## 172
         0.3333333
                       0.0000000
  173
##
         0.6666667
                       0.0000000
##
  174
         0.5000000
                       0.5000000
##
  175
         0.000000
                       0.000000
## 176
         1.5000000
                       0.000000
## 177
                       2.0000000
         2.0000000
## 178
         0.3333333
                       0.000000
##
  179
         1.0000000
                       0.0000000
                       0.000000
##
  180
         1.5000000
##
   181
         0.666667
                       0.000000
                       0.000000
##
   182
         2.0000000
## 183
         0.000000
                       0.000000
## 184
                Inf
                             \tt NaN
## 185
         0.5000000
                       1.0000000
```

```
0.0000000
                      0.000000
## 186
## 187
         2.0000000
                      4.000000
##
  188
         3.0000000
                      3.0000000
  189
         0.3333333
                      0.666667
##
##
  190
         0.2500000
                      0.0000000
## 191
         0.6666667
                      0.0000000
## 192
         2.0000000
                      0.0000000
## 193
               Inf
                             Inf
##
  194
         4.000000
                      0.0000000
## 195
         3.0000000
                      0.0000000
## 196
               Inf
                             Inf
  197
         4.000000
                      4.000000
##
##
  198
         0.5000000
                       1.000000
##
  199
         3.0000000
                      9.000000
## 200
         0.666667
                      0.000000
## 201
         5.0000000
                      0.000000
## 202
         1.000000
                      2.0000000
  203
##
         0.5000000
                      0.5000000
## 204
         3.0000000
                      0.0000000
  205
##
         0.0000000
                      0.0000000
##
  206
         1.000000
                      2.000000
## 207
         0.5000000
                      0.5000000
## 208
         2.0000000
                      2.000000
## 209
         4.0000000
                      0.0000000
## 210
         0.3333333
                      0.666667
```

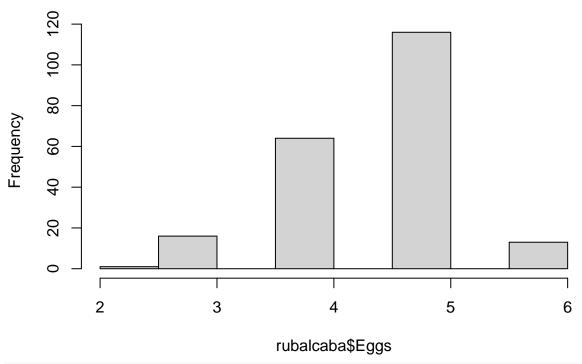
#create histograms of
hist(rubalcaba\$deaths)

Histogram of rubalcaba\$deaths



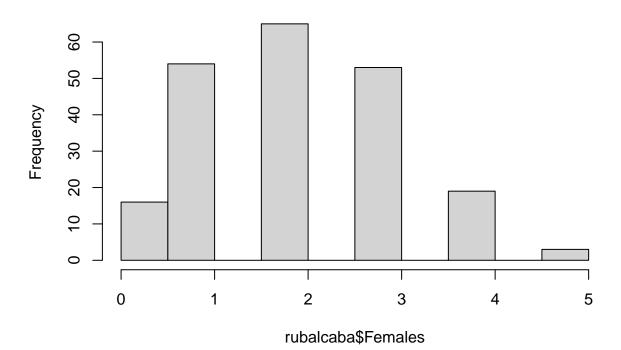
hist(rubalcaba\$Eggs)

Histogram of rubalcaba\$Eggs



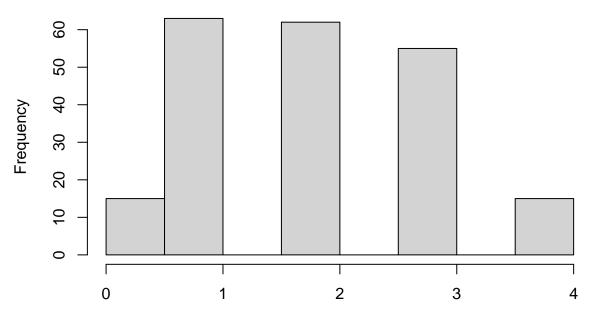
hist(rubalcaba\$Females)

Histogram of rubalcaba\$Females



hist(rubalcaba\$Males)

Histogram of rubalcaba\$Males

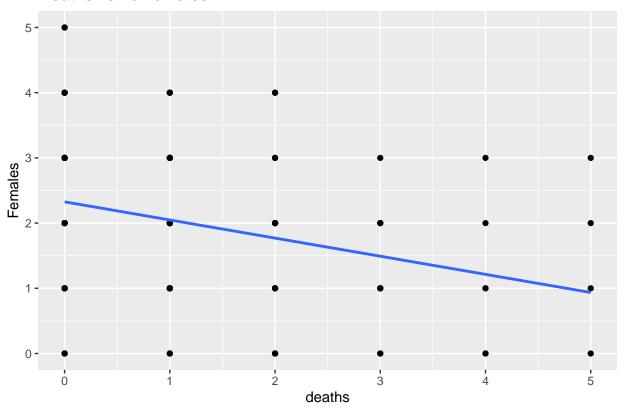


rubalcaba\$Males

```
#Visualize relationship between deaths and number of females
ggplot(data =rubalcaba, (aes(x = deaths, y = Females))) + geom_point() + labs(title = "Deaths vs no. females)
geom_smooth(method="lm", se=F)
```

`geom_smooth()` using formula = 'y ~ x'

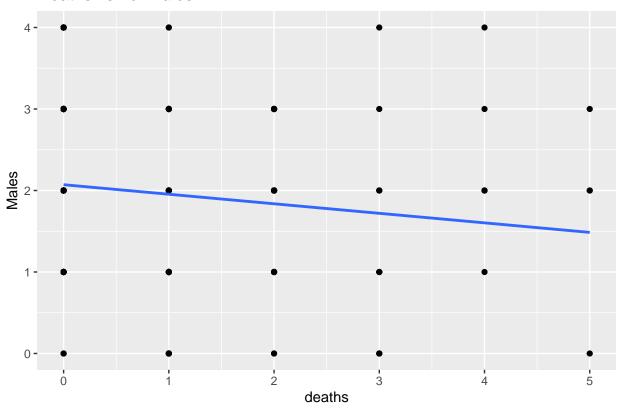
Deaths vs no. females



```
#Visualize relationship between deaths and number of males
ggplot(data =rubalcaba, (aes(x = deaths, y = Males))) + geom_point() + labs(title = "Deaths vs no. male
geom_smooth(method="lm", se=F)
```

$geom_smooth()$ using formula = 'y ~ x'

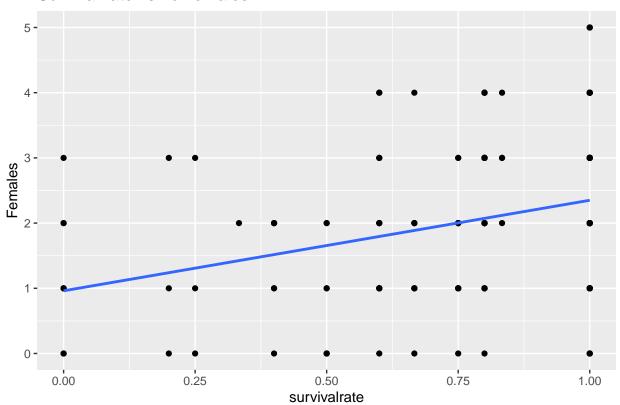
Deaths vs no. males



```
#Visualize relationship between survival rate and number of females
ggplot(data =rubalcaba, (aes(x = survivalrate, y = Females))) + geom_point() + labs(title = "Survival r
geom_smooth(method="lm", se=F)
```

$geom_smooth()$ using formula = 'y ~ x'

Survival rate vs no. females

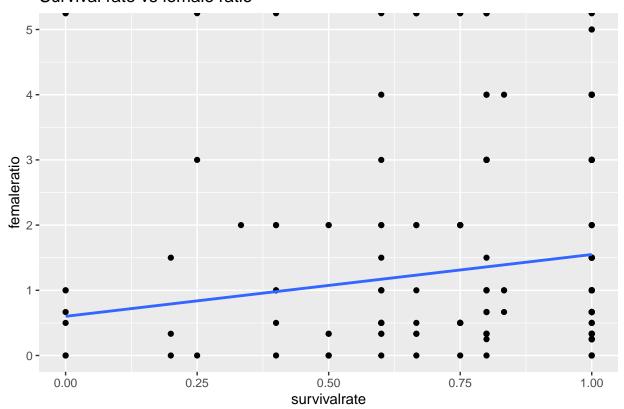


```
#Visualize the relationship between survival rate and female ratio
ggplot(data =rubalcaba, (aes(x = survivalrate, y = femaleratio))) + geom_point() + labs(title = "Survivalrate, y = femaleratio)))
```

```
## `geom_smooth()` using formula = 'y ~ x'
```

^{##} Warning: Removed 15 rows containing non-finite values (`stat_smooth()`).

Survival rate vs female ratio

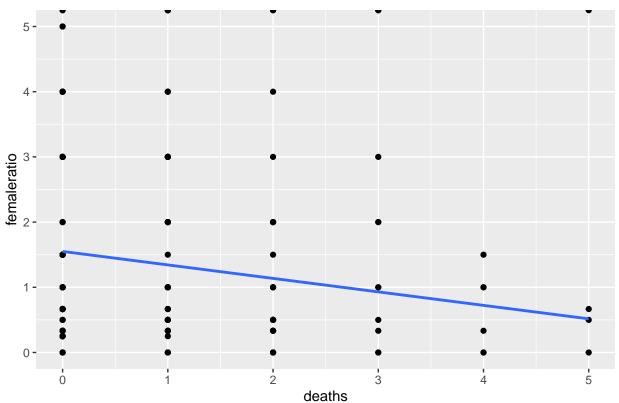


```
#visualize relationship between no. deaths and female ratio
ggplot(data =rubalcaba, (aes(x = deaths, y = femaleratio))) + geom_point() + labs(title = "no. deaths v
geom_smooth(method="lm", se=F)
```

```
## `geom_smooth()` using formula = 'y ~ x'
```

^{##} Warning: Removed 15 rows containing non-finite values (`stat_smooth()`).

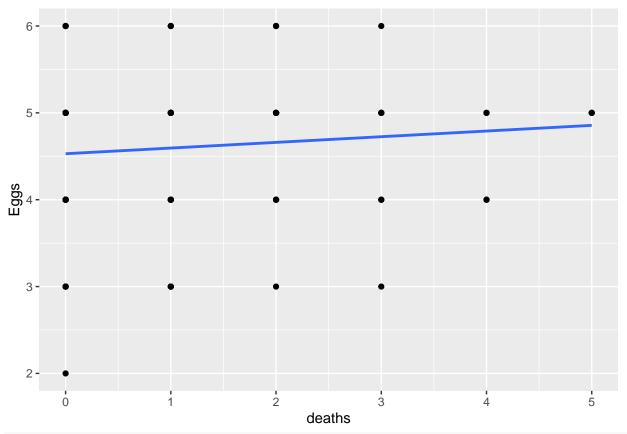
no. deaths vs female ratio



```
#relationship between male and female deaths
#ggplot(data = rubalcaba, (aes(x = femaledeaths, y = rubalcaba$maledeaths)))
#+geom_point() +
# geom_smooth(method="lm", se=F)

ggplot(data = rubalcaba, (aes(x = deaths, y = Eggs))) +geom_point() +
geom_smooth(method="lm", se=F)
```

`geom_smooth()` using formula = 'y ~ x'



sum(E2Hdeaths)

[1] 119

sum(H2Fdeaths)

[1] 77

rubalcaba

| ## | | Mother | Treatment | Year | Clutch | Date | Nest | Eggs | Hatchlings | Fledglings |
|----|----|---------|-----------|------|--------|------------|------|------|------------|------------|
| ## | 1 | 3296489 | LD | 2015 | 1 | 14/04/2015 | 42 | 3 | 3 | 3 |
| ## | 2 | A703 | LD | 2015 | 1 | 08/04/2015 | 8 | 5 | 5 | 5 |
| ## | 3 | C038 | LD | 2015 | 1 | 08/04/2015 | 11 | 4 | 3 | 3 |
| ## | 4 | C141 | LD | 2015 | 1 | 28/05/2015 | 20 | 4 | 4 | 4 |
| ## | 5 | C524 | LD | 2015 | 1 | 05/04/2015 | 25 | 5 | 4 | 4 |
| ## | 6 | C663 | LD | 2015 | 1 | 07/04/2015 | 24 | 5 | 5 | 5 |
| ## | 7 | C699 | LD | 2015 | 1 | 12/05/2015 | 33 | 5 | 4 | 4 |
| ## | 8 | C708 | LD | 2015 | 1 | 08/04/2015 | 34 | 5 | 2 | 2 |
| ## | 9 | C723 | LD | 2015 | 1 | 10/04/2015 | 39 | 4 | 4 | 4 |
| ## | 10 | C853 | LD | 2015 | 1 | 08/04/2015 | 38 | 3 | 2 | 2 |
| ## | 11 | E013 | LD | 2015 | 1 | 19/04/2015 | 36 | 3 | 3 | 3 |
| ## | 12 | E117 | LD | 2015 | 1 | 08/04/2015 | 26 | 4 | 4 | 4 |
| ## | 13 | E152 | LD | 2015 | 1 | 07/04/2015 | 21 | 4 | 4 | 4 |
| ## | 14 | E201 | LD | 2015 | 1 | 07/04/2015 | 23 | 4 | 4 | 4 |
| ## | 15 | E209 | LD | 2015 | 1 | 15/04/2015 | 37 | 5 | 5 | 5 |
| ## | 16 | G114 | LD | 2015 | 1 | 07/04/2015 | 7 | 4 | 4 | 4 |
| ## | 17 | G118 | LD | 2015 | 1 | 03/06/2015 | 36 | 4 | 3 | 2 |
| ## | 18 | G224 | LD | 2015 | 1 | 07/04/2015 | 41 | 5 | 5 | 5 |

| ## | 19 | H035 | LD | 2015 | 1 | 20/05/2015 | 11 | 4 | 3 | 3 |
|----------|----------|-----------------|----|-------------------------------------|---|--------------------------|----------|--------|--------|--------|
| ## | 20 | H036 | LD | 2015 | | 21/05/2015 | 38 | 5 | 4 | 3 |
| ## | 21 | H069 | LD | 2015 | | 27/05/2015 | 35 | 4 | 4 | 4 |
| ## | 22 | A703 | | 2015 | 2 | 25/05/2015 | 8 | 4 | 3 | 3 |
| ## | 23 | 3156330 | | 2015 | 1 | | 45 | 5 | 5 | 3 |
| ## | 24 | 3402230 | | 2015 | | 07/04/2015 | 12 | 4 | 4 | 4 |
| ## | 25 | A663 | | 2015 | | 06/04/2015 | 45 | 6 | 6 | 5 |
| ## | 26 | A903 | | 2015 | | 06/04/2015 | 43 | 5 | 5 | 5 |
| ## | 27 | C005 | | 2015 | | 28/05/2015 | 28 | 4 | 3 | 3 |
| ## | 28 | C014 | | 2015 | | 06/05/2015 | 46 | 3 | 3 | 3 |
| ## | 29 | C024 | | 2015 | 1 | 07/05/2015 | 13 | 5 | 5 | 5 |
| ## | 30 | C080 | | 2015 | 1 | | 16 | 5 | 5 | 4 |
| ## | 31 | C469 | | 2015 | | 05/04/2015 | 29 | 6 | 6 | 6 |
| ## | 32 | C525 | | 2015 | | 07/04/2015 | 31 | 4 | 4 | 4 |
| ## | 33 | C582 | | 2015 | 1 | | 15 | 5 | 5 | 4 |
| ## | 34 | C851 | | 2015 | | 07/04/2015 | 27 | 4 | 4 | 4 |
| ## | 35 | C852 | | 2015 | | 08/04/2015 | 15 | 4 | 4 | 4 |
| ## | 36 | D464 | | 2015 | 1 | | 44 | 5 | 5 | 4 |
| ## | 37 | E200 | | 2015 | 1 | | 14 | 5 | 5 | 4 |
| ## | 38 | E300 | | 2015 | | 07/05/2015 | 5 | 5 | 5 | 5 |
| ## | 39 | G275 | | 2015 | | 07/04/2015 | 1 | 5 | 4 | 4 |
| ## | 40 | A663 | | 2015 | | 24/05/2015 | 47 | 5 | 5 | 5 |
| ## | 41 | A903 | | 2015 | | 21/05/2015 | 43 | 5 | 4 | 4 |
| ## | 42 | C038 | | 2015 | | 19/05/2015 | 17 | 5 | 4 | 3 |
| | 43 | C525 | | 2015 | | 19/05/2015 | 31 | 4 | 3 | 3 4 |
| ## ## | 44 45 | C851 3156384 | | 20152016 | | 21/05/2015 21/04/2016 | 27 34 | 5 4 | 4 4 | 4 |
| ## | 46 | 3296489 | | 2016 | | 15/05/2016 | 42 | 5 | 3 | 3 |
| ## | 47 | 3402517 | | 2016 | | 20/04/2016 | 9 | 4 | 4 | 4 |
| ## | 48 | C522 | | 2016 | | 12/05/2016 | 37 | 5 | 5 | 4 |
| ## | 49 | C524 | | 2016 | | 18/04/2016 | 19 | 5 | 5 | 5 |
| ## | 50 | C548 | | 2016 | 1 | | 7 | 5 | 5 | 5 |
| ## | 51 | C723 | | 2016 | | 21/04/2016 | 39 | 5 | 5 | 5 |
| ## | 52 | E117 | | 2016 | | 23/05/2016 | 26 | 5 | 5 | 5 |
| ## | 53 | E152 | | 2016 | | 19/04/2016 | 21 | 5 | 5 | 5 |
| ## | 54 | E200 | | 2016 | 1 | | 8 | 4 | 4 | 4 |
| ## | 55 | E209 | | 2016 | 1 | 19/04/2016 | 38 | 5 | 5 | 5 |
| ## | 56 | G296 | LD | 2016 | 1 | 19/04/2016 | 18 | 5 | 4 | 4 |
| ## | 57 | G606 | | 2016 | | 10/06/2016 | 23 | 3 | 3 | 2 |
| ## | 58 | H024 | | 2016 | | 20/04/2016 | 24 | 5 | 5 | 5 |
| ## | 59 | H069 | LD | 2016 | 1 | 05/06/2016 | 33 | 4 | 4 | 4 |
| ## | 60 | H153 | LD | 2016 | 1 | 20/04/2016 | 20 | 6 | 4 | 3 |
| ## | 61 | H202 | LD | 2016 | 1 | 27/05/2016 | 25 | 5 | 5 | 4 |
| ## | 62 | 3402517 | LD | 2016 | 2 | 04/06/2016 | 9 | 5 | 4 | 4 |
| ## | 63 | E152 | LD | 2016 | 2 | 07/06/2016 | 21 | 5 | 3 | 3 |
| ## | 64 | 3156330 | HD | 2016 | 1 | 20/04/2016 | 45 | 5 | 5 | 5 |
| ## | 65 | 3389073 | HD | 2016 | 1 | 20/04/2016 | 29 | 5 | 5 | 5 |
| | 66 | A663 | | 2016 | | 20/04/2016 | 44 | 4 | 4 | 4 |
| | 67 | A903 | | 2016 | | 19/04/2016 | 43 | 4 | 4 | 4 |
| | 68 | C005 | | 2016 | | 20/04/2016 | 28 | 4 | 4 | 4 |
| | 69 | C024 | | 2016 | | 20/04/2016 | 13 | 4 | 3 | 3 |
| | 70 | C080 | | 2016 | | 21/04/2016 | 16 | 3 | 3 | 1 |
| | 71 | C170 | | 2016 | | 19/04/2016 | 47 | 4 | 4 | 4 |
| ## | 72 | C525 | HD | 2016 | 1 | 20/04/2016 | 31 | 5 | 5 | 5 |

| ## | 73 | C527 | HD | 2016 | | 20/04/2016 | 30 | 5 | 5 | 5 |
|----------|------------|--------------|----|-------------------------------------|---|--------------------------|----------|--------|--------|--------|
| ## | 74 | C716 | HD | 2016 | 1 | 27/04/2016 | 2 | 5 | 4 | 3 |
| ## | 75 | C851 | HD | 2016 | 1 | 04/06/2016 | 27 | 5 | 5 | 4 |
| ## | 76 | D706 | HD | 2016 | 1 | 07/06/2016 | 14 | 4 | 1 | 1 |
| ## | 77 | G294 | HD | 2016 | 1 | 23/04/2016 | 15 | 4 | 4 | 4 |
| ## | 78 | G611 | HD | 2016 | 1 | 24/04/2016 | 3 | 2 | 2 | 2 |
| ## | 79 | G615 | HD | 2016 | 1 | 04/06/2016 | 15 | 6 | 4 | 4 |
| ## | 80 | H152 | HD | 2016 | 1 | 22/04/2016 | 12 | 3 | 2 | 2 |
| ## | 81 | H203 | HD | 2016 | 1 | | 14 | 4 | 4 | 4 |
| ## | 82 | H324 | | 2016 | 1 | | 32 | 4 | 4 | 0 |
| ## | 83 | A663 | | 2016 | 2 | 05/06/2016 | 44 | 4 | 3 | 3 |
| ## | 84 | C080 | | 2016 | 2 | | 16 | 5 | 4 | 4 |
| ## | 85 | H203 | | 2016 | 2 | 06/06/2016 | 28 | 5 | 3 | 0 |
| ## | 86 | 3389073 | | 2017 | 1 | | 25 | 5 | 4 | 4 |
| ## | 87 | 3408094 | | 2017 | 1 | | 9 | 5 | 5 | 5 |
| ## | 88 | 3410354 | | 2017 | 1 | | 40 | 5 | 5 | 5 |
| ## | 89 | 3410366 | | 2017 | 1 | | 10 | 5 | 4 | 4 |
| ## | 90 | 3411609 | | 2017 | 1 | | 33 | 5 | 5 | 5 |
| ## | 91 | 3423966 | | 2017 | | 20/05/2017 | 35 | 5 | 5 | 5 |
| ## | 92 | C014 | | 2017 | 1 | | 42 | 5 | 3 | 3 |
| ## | 93 | C522 | | 2017 | | 07/05/2017 | 37 | 6 | 6 | 5 |
| ## | 94 | C548 | | 2017 | 1 | | 7 | 4 | 4 | 4 |
| ## | 95 | C853 | | 2017 | 1 | | 34 | 5 | 3 | 2 |
| ## | 96 | E227 | | 2017 | 1 | | 41 | 5 | 5 | 5 |
| ## | 97 | E301 | | 2017 | | 29/04/2017 | 11 | 6 | 5 | 5 |
| ## ## | 98 99 | G147 G166 | | 2017 2017 | | 15/04/2017 15/04/2017 | 39 26 | 5 6 | 3 6 | 3 6 |
| | 100 | G296 | | 2017 | | 15/04/2017 | 18 | 5 | 5 | 5 |
| ## | 101 | G290 G849 | | 2017 | | 08/05/2017 | 23 | 5 | 5 | 5 |
| ## | 102 | G961 | | 2017 | | 14/04/2017 | 38 | 5 | 4 | 4 |
| | 103 | H047 | | 2017 | 1 | | 19 | 5 | 5 | 1 |
| | 104 | H153 | | 2017 | 1 | | 36 | 6 | 6 | 6 |
| | 105 | H901 | | 2017 | 1 | | 20 | 5 | 4 | 4 |
| ## | 106 | C548 | | 2017 | 2 | | 7 | 4 | 2 | 0 |
| ## | 107 | G166 | | 2017 | 2 | 42889 | 26 | 5 | 4 | 2 |
| ## | 108 | H901 | | 2017 | | 03/06/2017 | 20 | 4 | 3 | 2 |
| ## | 109 | 3410802 | HD | 2017 | 1 | 16/04/2017 | 27 | 5 | 5 | 5 |
| ## | 110 | C170 | HD | 2017 | 1 | 15/04/2017 | 47 | 5 | 5 | 5 |
| ## | 111 | C533 | HD | 2017 | 1 | 16/04/2017 | 14 | 4 | 2 | 1 |
| ## | 112 | C852 | HD | 2017 | 1 | 16/04/2017 | 15 | 5 | 5 | 5 |
| ## | 113 | E313 | HD | 2017 | 1 | 15/04/2017 | 16 | 4 | 4 | 4 |
| ## | 114 | G681 | HD | 2017 | 1 | 14/04/2017 | 13 | 5 | 5 | 5 |
| ## | 115 | G845 | | 2017 | | 15/04/2017 | 32 | 5 | 5 | 5 |
| ## | 116 | G890 | | 2017 | | 01/05/2017 | 46 | 5 | 3 | 3 |
| ## | 117 | H178 | | 2017 | | 29/04/2017 | 29 | 5 | 5 | 5 |
| | 118 | H202 | | 2017 | | 15/04/2017 | 12 | 5 | 5 | 5 |
| | 119 | H203 | | 2017 | | 29/05/2017 | 44 | 5 | 3 | 2 |
| | 120 | H301 | | 2017 | | 15/04/2017 | 4 | 5 | 4 | 4 |
| | 121 | H404 | | 2017 | | 20/04/2017 | 1 | 3 | 2 | 2 |
| | 122 | H423 | | 2017 | | 22/04/2017 | 2 | 4 | 4 | 4 |
| | 123 | H907 | | 2017 | | 30/04/2017 | 6 47 | 4 | 4 | 4 |
| | 124 | C170 | | 2017 | | 05/06/2017 | 47 17 | 4 | 3 | 2 |
| | 125 126 | C533 | | 20172017 | | 03/06/2017 02/06/2017 | 17 | 4 | 4 4 | 4 |
| ## | 170 | H404 | пр | 2017 | 2 | 02/00/201/ | 1 | 5 | 4 | 1 |

| ## | 127 | 3410362 | LD | 2018 | | 25/04/2018 | 11 | 3 | 3 | 3 |
|----|------------|--------------|----|--------------|---|--------------------------|----------|--------|--------|--------|
| ## | 128 | 3410794 | LD | 2018 | 1 | 11/06/2018 | 38 | 5 | 4 | 2 |
| ## | 129 | C014 | LD | 2018 | | 23/04/2018 | 41 | 5 | 3 | 3 |
| ## | 130 | C503 | | 2018 | | 24/04/2018 | 19 | 4 | 4 | 4 |
| ## | 131 | C548 | | 2018 | | 25/05/2018 | 7 | 5 | 4 | 4 |
| ## | 132 | C853 | | 2018 | | 24/04/2018 | 34 | 5 | 5 | 5 |
| ## | 133 | G166 | | 2018 | | 24/04/2018 | 26 | 6 | 4 | 4 |
| ## | 134 | G190 | | 2018 | | 23/04/2018 | 21 | 5 | 5 | 5 |
| ## | 135 | G388 | | 2018 | 1 | | 35 | 5 | 5 | 4 |
| ## | 136 | G681 | | 2018 | 1 | | 9 | 5 | 5 | 5 |
| ## | 137 | G740 | | 2018 | | 04/06/2018 | 26 | 5 | 4 | 3 |
| ## | 138 | H178 | | 2018 | 1 | | 33 | 5 | 5 | 3 |
| ## | 139 | H407 | | 2018 | 1 | | 23 | 5 | 3 | 2 |
| ## | 140 | H570 | | 2018 | 1 | | 37 | 4 | 3 | 3 |
| ## | | H619 bis | | 2018 | 1 | 16/05/2018 | 20 | 5 | 5 | 5 |
| ## | 142 | Н680 | | 2018 | 1 | | 25 | 4 | 2 | 0 |
| ## | 143 | Н903 | | 2018 | 1 | | 42 | 5 | 5 | 5 |
| ## | 144 | Н907 | | 2018 | 1 | | 8 | 5 | 5 | 5 |
| ## | 145 | C503 | | 2018 | | 05/06/2018 | 19 | 4 | 3 | 3 |
| ## | 146 | G190 | | 2018 | | 09/06/2018 | 21 | 5 | 4 | 4 |
| ## | 147 | G681 | | 2018 | | 06/06/2018 | 9 | 5 | 2 | 0 |
| ## | 148 | Н680 | | 2018 | 2 | | 25 | 5 | 2 | 2 |
| ## | 149 | 3410354 | | 2018 | 1 | | 48 | 5 | 4 | 4 |
| ## | 150 | 3410802 | | 2018 | 1 | | 27 | 5 | 5 | 5 |
| ## | 151 | 3423966 | | 2018 | | 23/04/2018 | 5 | 5 | 4 | 4 |
| | 152 | 3424705 | | 2018 | | 24/05/2018 | 31 | 4 | 4 | 4 |
| | 153 | A663 | | 2018 | | 25/04/2018 | 43 | 4 | 3 | 3 |
| | 154 | C170 | | 2018 | | 23/04/2018 | 47 | 4 | 4 | 4 |
| | 155 | C533 | | 2018 | | 23/04/2018 | 17 | 5 | 5 | 5 |
| | 156 | E227 | | 2018 | | 25/04/2018 | 44 | 5 | 5 | 5 3 |
| | 157 158 | E301 E313 | | 2018 2018 | | 25/04/2018 24/04/2018 | 14 16 | 3 4 | 3 4 | 4 |
| | 159 | G296 | | 2018 | | 25/04/2018 | 32 | 4 | 3 | 3 |
| | 160 | G290 G847 | | 2018 | | 23/04/2018 | 2 | 5 | 5 | 5 |
| | 161 | H423 | | 2018 | | 19/05/2018 | 3 | 4 | 3 | 3 |
| ## | 162 | H558 | | 2018 | 1 | | 46 | 5 | 4 | 4 |
| | 163 | Н676 | | 2018 | | 10/05/2018 | 12 | 5 | 4 | 4 |
| | 164 | H689 | | 2018 | | 18/05/2018 | 30 | 5 | 5 | 0 |
| | 165 | H812 | | 2018 | | 18/05/2018 | 6 | 3 | 2 | 2 |
| | 166 | H902 | | 2018 | | 24/04/2018 | 15 | 5 | 4 | 4 |
| | 167 | 3410354 | | 2018 | | 15/06/2018 | 48 | 5 | 4 | 3 |
| | 168 | 3423966 | | 2018 | | 08/06/2018 | 5 | 5 | 3 | 0 |
| | 169 | A663 | | 2018 | | 15/06/2018 | 43 | 4 | 3 | 3 |
| | 170 | E301 | | 2018 | | 08/06/2018 | 14 | 4 | 4 | 4 |
| | 171 | G296 | | 2018 | | 06/06/2018 | 32 | 6 | 4 | 4 |
| | 172 | C548 | | 2019 | | 20/04/2019 | 7 | 4 | 4 | 4 |
| | 173 | Н907 | | 2019 | | 26/04/2019 | 8 | 5 | 5 | 5 |
| | 174 | 3410362 | | 2019 | | 19/04/2019 | 11 | 4 | 3 | 3 |
| | 175 | G849 | | 2019 | | 19/04/2019 | 18 | 5 | 4 | 1 |
| | 176 | C503 | | 2019 | | 20/04/2019 | 19 | 5 | 5 | 5 |
| | 177 | C503 | | 2019 | | 05/06/2019 | 19 | 3 | 3 | 2 |
| | 178 | E378 | | 2019 | | 22/04/2019 | 20 | 4 | 4 | 4 |
| | 179 | G190 | | 2019 | 1 | | 21 | 6 | 6 | 6 |
| | 180 | E460 | | 2019 | 2 | 05/05/2019 | 22 | 5 | 5 | 5 |
| | | | | | | | | | | |

| ## | 181 | H504 | LD | 2019 | 2 | 03/05/2019 | 24 | 5 | 5 | 5 |
|----------------------|-----------------------------------|------------------|-------------|--------------|-------------|---------------------------------------|----|-------------------------------------|-------------------------------------|---|
| ## | 182 | H680 | LD | 2019 | 1 | 21/04/2019 | 25 | 3 | 3 | 3 |
| ## | 183 | H680 | LD | 2019 | 2 | 06/06/2019 | 25 | 4 | 3 | 3 |
| ## | 184 | H619 bis | LD | 2019 | 2 | 11/05/2019 | | 5 | 5 | 5 |
| ## | 185 | H178 | LD | 2019 | 1 | · · · · · · · · · · · · · · · · · · · | | 5 | 3 | 3 |
| ## | 186 | H178 | LD | 2019 | 2 | 16/06/2019 | | 4 | 3 | 2 |
| ## | 187 | H558 | LD | 2019 | 1 | | | 5 | 3 | 3 |
| ## | 188 | C014 | | 2019 | 1 | | | 5 | 4 | 4 |
| ## | 189 | B256 | | 2019 | 2 | 07/05/2019 | | 5 | 3 | 3 |
| ## | 190 | G847 | | 2019 | 1 | | | 5 | 5 | 5 |
| ## | 191 | H540 | HD | 2019 | 1 | | | 5 | 5 | 5 |
| ## | 192 | E666 | HD | 2019 | 1 | | | 3 | 3 | 3 |
| ## | 193 | E614 | HD | 2019 | 2 | 29/05/2019 | | 3 | 1 | 0 |
| ## | 194 | G681 | HD | 2019 | 1 | | | 5 | 5 | 5 |
| ## | 195 | H813 | HD | 2019 | 1 | | | 4 | 4 | 4 |
| ## | 196 | E301 | HD | 2019 | 1 | | | 5 | 4 | 4 |
| ## | 197 | E534 | | 2019 | 1 | | | 6 | 5 | 5 |
| ## | 198 | E313 | | 2019 | 1 | | | 5 | 3 | 3 |
| | 199 | E313 | | 2019 | | 06/06/2019 | | 4 | 4 | 1 |
| | 200 | C533 | | 2019 | | 11/05/2019 | | 5 | 5 | 5 |
| | 201 | G166 | | 2019 | | 01/05/2019 | | 6 | 6 | 6 |
| | 202 | 3424705 | | 2019 | | 18/04/2019 | | 5 | 5 | 3 |
| | 203 | 3424705 | | 2019 | | 05/06/2019 | | 4 | 3 | 3 |
| | 204 | H770 | | 2019 | | 15/05/2019 | | 4 | 4 | 4 |
| | 205206 | E227 H451 | | 2019 2019 | | 04/06/2019 18/04/2019 | | 4 5 | 2 4 | 2 |
| | 207 | G849 | | 2019 | | 31/05/2019 | | 4 | 3 | 3 |
| | 208 | B337 | | 2019 | | 01/06/2019 | | 3 | 3 | 2 |
| | 209 | C170 | | 2019 | | 19/04/2019 | | 5 | 5 | 5 |
| | 210 | B336 | | 2019 | | 02/06/2019 | | 4 | 4 | 2 |
| ## | | | | | | | | | survivalrate | _ |
| ## | 1 | 1 | 2 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 2 | 4 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 3 | 1 | 2 | 1 | 0 | 1 | | 0.7500000 | 0.7500000 | |
| ## | 4 | 2 | 2 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 5 | 3 | 1 | 1 | 0 | 1 | | 0.8000000 | 0.8000000 | |
| ## | 6 | 3 | 2 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | | 3 | 1 | 1 | 0 | 1 | | 0.8000000 | 0.8000000 | |
| | 8 | 0 | 2 | 3 | 0 | 3 | | 0.4000000 | 0.4000000 | |
| ## | | 1 | 3 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| | 10 | 2 | 0 | 1 | 0 | 1 | | 0.6666667 | 0.6666667 | |
| | 11 | 2 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| | 12 | 4 | 0 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| | 13 | 1 | 3 | 0 | 0 | 0 | | 1.000000 | 1.0000000 | |
| | 14 | 0 | 4 | 0 | 0 | 0 | | 1.000000 | 1.0000000 | |
| | 15 | 2 | 3 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| | 16 | 3 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | | 3 | 0 | 2 | 1 | 1 | | 0.7500000 | 0.5000000 | |
| | | | 4 | ^ | | | | | 4 ^^^^^ | |
| | 18 | 4 | 1 | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 18 19 | 4 2 | 1 | 1 | 0 | 1 | | 0.7500000 | 0.7500000 | |
| ## ## | 18 19 20 | 4 2 1 | 1 3 | 1 2 | 0 1 | 1 1 | | 0.7500000 0.8000000 | 0.7500000 0.6000000 | |
| ## ## ## | 18 19 20 21 | 4 2 1 1 | 1 3 3 | 1 2 0 | 0 1 0 | 1 1 0 | | 0.7500000 0.8000000 1.0000000 | 0.7500000 0.6000000 1.0000000 | |
| ## ## ## ## | 18 19 20 | 4 2 1 | 1 3 | 1 2 | 0 1 | 1 1 | | 0.7500000 0.8000000 | 0.7500000 0.6000000 | |

| ## | 24 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
|----|----------------------|---|---|---|---|---|-----------|-----------|
| ## | 25 | 3 | 3 | 1 | 1 | 0 | 1.0000000 | 0.8333333 |
| ## | 26 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 27 | 0 | 3 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 28 | 2 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 29 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 30 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| | | | | | | | | |
| ## | 31 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 32 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 33 | 1 | 4 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 34 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 35 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 36 | 2 | 3 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 37 | 1 | 4 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 38 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 39 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 40 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 41 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 42 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 43 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 44 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 45 | 3 | 1 | 0 | 0 | | 1.0000000 | 1.0000000 |
| | | | | | | 0 | | |
| ## | 46 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 47 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 48 | 4 | 1 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 49 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 50 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 51 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 52 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 53 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 54 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 55 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 56 | 4 | 0 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 57 | 2 | 1 | 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| ## | 58 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 59 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 60 | 3 | 1 | 3 | 1 | 2 | 0.6666667 | 0.5000000 |
| | | 2 | 2 | 1 | | 0 | 1.0000000 | |
| | 61 | | | | 1 | | | 0.8000000 |
| | 62 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| | 63 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | 64 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 65 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 66 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 67 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 68 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 69 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 70 | 1 | 2 | 2 | 2 | 0 | 1.0000000 | 0.3333333 |
| ## | 71 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 72 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 73 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 74 | 3 | 1 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| | 7 4 75 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| | | | | | | | | |
| | 76 77 | 0 | 1 | 3 | 0 | 3 | 0.2500000 | 0.2500000 |
| ## | 11 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |

| ## 78 | 1 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
|------------------|--------|--------|---|---|---|-----------|------------|
| ## 79 | 0 | 4 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| ## 80 | 0 | 2 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| ## 81 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 82 | 2 | 2 | 4 | 4 | 0 | 1.0000000 | 0.0000000 |
| ## 83 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## 84 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 85 | 2 | 1 | 5 | 3 | 2 | 0.6000000 | 0.0000000 |
| ## 86 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 87 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 88 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 89 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 90 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 91 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 92 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## 93 | 3 | 3 | 1 | 1 | 0 | 1.0000000 | 0.8333333 |
| ## 94 | 4 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 95 | 1 | 2 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## 96 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 97 | 3 | 2 | 1 | 0 | 1 | 0.8333333 | 0.8333333 |
| ## 98 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## 99 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 100 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 101 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 102 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 102 | 2 | 3 | 4 | 4 | 0 | 1.0000000 | 0.2000000 |
| ## 104 | 1 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 105 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 106 | 2 | 0 | 4 | 2 | 2 | 0.5000000 | 0.0000000 |
| ## 107 | 2 | 2 | 3 | 2 | 1 | 0.8000000 | 0.4000000 |
| ## 107 | 1 | 2 | 2 | 1 | 1 | 0.7500000 | 0.5000000 |
| ## 100 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 110 | 3 | 2 | 0 | Ö | 0 | 1.0000000 | 1.0000000 |
| ## 111 | 2 | 0 | 3 | 1 | 2 | 0.5000000 | 0.2500000 |
| ## 112 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 112 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 113 ## 114 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 114 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 115 ## 116 | 1 | 2 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## 110 ## 117 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 117 ## 118 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 110 ## 119 | 1 | 2 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## 120 ## 121 | 0 | 2 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| | | 3 | 0 | 0 | 0 | 1.0000000 | 1.00000007 |
| ## 122 ## 123 | 1 3 | 3 1 | 0 | 0 | | 1.0000000 | 1.0000000 |
| | | | | | 0 | 0.7500000 | |
| ## 124 ## 125 | 1 | 2 | 2 | 1 | 1 | | 0.5000000 |
| ## 125 ## 126 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 126 ## 127 | 3 | 1 | 4 | 3 | 1 | 0.8000000 | 0.2000000 |
| ## 127 ## 128 | 3 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 128 ## 120 | 4 | 0 | 3 | 2 | 1 | 0.8000000 | 0.4000000 |
| ## 129 | 3 | 0 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## 130 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## 131 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |

| ## | 132 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
|----|-----|---|---|---|---|---|-----------|-----------|
| ## | 133 | 3 | 1 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| ## | 134 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 135 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 136 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 137 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 138 | 1 | 4 | 2 | 2 | 0 | 1.0000000 | 0.6000000 |
| ## | 139 | 2 | 1 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## | 140 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 141 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 142 | 1 | 1 | 4 | 2 | 2 | 0.5000000 | 0.0000000 |
| ## | 143 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 144 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 145 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 146 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 147 | 2 | 0 | 5 | 2 | 3 | 0.400000 | 0.0000000 |
| ## | 148 | 1 | 1 | 3 | 0 | 3 | 0.400000 | 0.4000000 |
| ## | 149 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 150 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 151 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 152 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 153 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 154 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 155 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 156 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 157 | 2 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 158 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 159 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 160 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 161 | 0 | 3 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 162 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 163 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 164 | 3 | 2 | 5 | 5 | 0 | 1.0000000 | 0.0000000 |
| ## | 165 | 1 | 1 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| ## | 166 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 167 | 0 | 4 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 168 | 0 | 3 | 5 | 3 | 2 | 0.6000000 | 0.0000000 |
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| ## | 170 | 4 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 171 | 3 | 1 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| ## | 172 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 173 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 174 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 175 | 4 | 0 | 4 | 3 | 1 | 0.8000000 | 0.2000000 |
| ## | 176 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 177 | 1 | 2 | 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| ## | 178 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 179 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 180 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 181 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 182 | 1 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 183 | 3 | 0 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 184 | 0 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 185 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | | | | | | | | |

| ## | 186 | 3 | 0 2 | 1 | 1 | 0.7500000 | 0.5000000 |
|----|-----|-----------|--------------|---|---|-----------|-----------|
| ## | 187 | 1 | 2 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 188 | 1 | 3 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 189 | 3 | 1 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 190 | 4 | 1 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 191 | 3 | 2 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 192 | 1 | 2 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 193 | 0 | 1 3 | 1 | 2 | 0.3333333 | 0.0000000 |
| ## | 194 | 1 | 4 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 195 | 1 | 3 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 196 | 0 | 4 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 197 | 1 | 4 1 | 0 | 1 | 0.8333333 | 0.8333333 |
| ## | 198 | 2 | 1 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | 199 | 1 | 3 3 | 3 | | 1.0000000 | 0.2500000 |
| ## | | | | | 0 | | |
| ## | 200 | 3 | 2 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 201 | 1 | 5 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 202 | 3 | 3 2 | 2 | 0 | 1.0000000 | 0.6000000 |
| ## | 203 | 2 | 1 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 204 | 1 | 3 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 205 | 2 | 0 2 | 0 | 2 | 0.5000000 | 0.5000000 |
| ## | 206 | 2 | 2 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 207 | 2 | 1 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 208 | 1 | 2 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| ## | 209 | 1 | 4 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 210 | 3 | 1 2 | 2 | 0 | 1.0000000 | 0.5000000 |
| ## | | | femaledeaths | | | | |
| ## | 1 | 2.000000 | 0.000000 | | | | |
| ## | 2 | 0.2500000 | 0.000000 | | | | |
| ## | 3 | 2.000000 | 2.0000000 | | | | |
| ## | 4 | 1.000000 | 0.000000 | | | | |
| ## | 5 | 0.3333333 | 0.3333333 | | | | |
| ## | 6 | 0.6666667 | 0.000000 | | | | |
| ## | 7 | 0.3333333 | 0.3333333 | | | | |
| ## | 8 | Inf | Inf | | | | |
| ## | 9 | 3.0000000 | 0.000000 | | | | |
| ## | 10 | 0.0000000 | 0.0000000 | | | | |
| ## | | 0.5000000 | 0.0000000 | | | | |
| | 12 | 0.0000000 | 0.0000000 | | | | |
| | 13 | 3.0000000 | 0.0000000 | | | | |
| | 14 | Inf | NaN | | | | |
| | 15 | 1.5000000 | 0.000000 | | | | |
| | 16 | 0.3333333 | 0.000000 | | | | |
| | 17 | 0.000000 | 0.000000 | | | | |
| | 18 | 0.2500000 | 0.0000000 | | | | |
| | 19 | 0.5000000 | 0.5000000 | | | | |
| | 20 | 3.0000000 | 6.0000000 | | | | |
| | 21 | 3.0000000 | 0.0000000 | | | | |
| | 22 | 0.5000000 | 0.5000000 | | | | |
| | 23 | 1.5000000 | 3.0000000 | | | | |
| | 24 | 3.0000000 | 0.0000000 | | | | |
| | 25 | 1.0000000 | 1.0000000 | | | | |
| | 26 | 1.5000000 | 0.0000000 | | | | |
| ## | 27 | Inf | Inf | | | | |
| ## | 28 | 0.5000000 | 0.0000000 | | | | |
| | | | | | | | |

| ## 29 | 4.0000000 | 0.0000000 |
|----------------|-----------|-----------|
| ## 30 | 0.6666667 | 0.6666667 |
| ## 31 | 1.0000000 | 0.0000000 |
| ## 32 | 0.3333333 | 0.0000000 |
| ## 33 | 4.0000000 | 4.0000000 |
| ## 34 | 1.0000000 | 0.0000000 |
| ## 35 | 3.0000000 | 0.0000000 |
| ## 36 | 1.5000000 | 1.5000000 |
| ## 37 | 4.0000000 | 4.0000000 |
| ## 38 | 4.0000000 | 0.0000000 |
| ## 39 | 0.3333333 | 0.3333333 |
| ## 40 | 1.5000000 | 0.0000000 |
| ## 41 ## 42 | 3.0000000 | 3.0000000 |
| ## 42 ## 43 | 1.0000000 | 2.0000000 |
| ## 43 | 3.0000000 | 3.0000000 |
| ## 44 ## 45 | 0.3333333 | 0.0000000 |
| ## 45 ## 46 | 0.5000000 | 1.0000000 |
| ## 47 | 1.0000000 | 0.0000000 |
| ## 48 | 0.2500000 | 0.2500000 |
| ## 49 | 4.0000000 | 0.0000000 |
| ## 50 | 0.2500000 | 0.0000000 |
| ## 51 | 0.6666667 | 0.0000000 |
| ## 52 | 0.6666667 | 0.0000000 |
| ## 53 | 4.0000000 | 0.0000000 |
| ## 54 | 3.0000000 | 0.0000000 |
| ## 55 | 1.5000000 | 0.0000000 |
| ## 56 | 0.0000000 | 0.0000000 |
| ## 57 | 0.5000000 | 0.5000000 |
| ## 58 | 4.0000000 | 0.0000000 |
| ## 59 | 1.0000000 | 0.0000000 |
| ## 60 | 0.3333333 | 1.0000000 |
| ## 61 | 1.0000000 | 1.0000000 |
| ## 62 | 3.0000000 | 3.0000000 |
| ## 63 | 0.5000000 | 1.0000000 |
| ## 64 | 0.2500000 | 0.0000000 |
| ## 65 | 0.2500000 | 0.0000000 |
| ## 66 | 3.0000000 | 0.0000000 |
| ## 67 | 1.0000000 | 0.0000000 |
| ## 68 | 1.0000000 | 0.0000000 |
| ## 69 | 2.0000000 | 2.0000000 |
| ## 70 | 2.0000000 | 4.0000000 |
| ## 71 | 3.0000000 | 0.0000000 |
| ## 72 | 4.0000000 | 0.0000000 |
| ## 73 | 1.5000000 | 0.0000000 |
| ## 74 | 0.3333333 | 0.6666667 |
| ## 75 | 0.6666667 | 0.6666667 |
| ## 76 | Inf | Inf |
| ## 77 | 3.0000000 | 0.0000000 |
| ## 78 | 1.0000000 | 0.0000000 |
| ## 79 | Inf | Inf |
| ## 80 | Inf | Inf |
| ## 81 | 3.0000000 | 0.0000000 |
| ## 82 | 1.0000000 | 4.0000000 |

| ## | 83 | 2.0000000 | 2.0000000 |
|----|-----|-----------|-----------|
| ## | 84 | 3.0000000 | 3.0000000 |
| ## | 85 | 0.5000000 | 2.5000000 |
| ## | 86 | 0.3333333 | 0.3333333 |
| ## | 87 | 0.6666667 | 0.0000000 |
| ## | 88 | 0.6666667 | 0.0000000 |
| ## | 89 | Inf | Inf |
| ## | 90 | 0.6666667 | 0.0000000 |
| ## | 91 | 0.6666667 | 0.0000000 |
| ## | 92 | 0.5000000 | 1.0000000 |
| ## | 93 | 1.0000000 | 1.0000000 |
| ## | 94 | 0.0000000 | 0.0000000 |
| ## | 95 | 2.0000000 | 6.0000000 |
| ## | 96 | 0.6666667 | 0.0000000 |
| ## | 97 | 0.6666667 | 0.6666667 |
| ## | 98 | 0.5000000 | 1.0000000 |
| ## | 99 | 1.0000000 | 0.0000000 |
| ## | 100 | 0.6666667 | 0.0000000 |
| ## | 101 | 1.5000000 | 0.0000000 |
| ## | 102 | 1.0000000 | 1.0000000 |
| ## | 103 | 1.5000000 | 6.0000000 |
| ## | 104 | 5.0000000 | 0.0000000 |
| ## | 105 | 3.0000000 | 3.0000000 |
| ## | 106 | 0.0000000 | 0.0000000 |
| ## | 107 | 1.0000000 | 3.0000000 |
| ## | 108 | 2.0000000 | 4.0000000 |
| ## | 109 | 1.5000000 | 0.0000000 |
| ## | 110 | 0.6666667 | 0.0000000 |
| ## | 111 | 0.0000000 | 0.0000000 |
| ## | 112 | 1.5000000 | 0.0000000 |
| ## | 113 | 0.3333333 | 0.0000000 |
| ## | 114 | 0.2500000 | 0.0000000 |
| ## | 115 | 0.6666667 | 0.0000000 |
| ## | 116 | 2.0000000 | 4.0000000 |
| ## | 117 | 1.5000000 | 0.0000000 |
| ## | 118 | 1.5000000 | 0.0000000 |
| ## | 119 | 2.0000000 | 6.0000000 |
| ## | 120 | 1.0000000 | 1.0000000 |
| ## | 121 | Inf | Inf |
| ## | 122 | 3.0000000 | 0.0000000 |
| ## | 123 | 0.3333333 | 0.0000000 |
| ## | 124 | 2.0000000 | 4.0000000 |
| ## | 125 | 1.0000000 | 0.0000000 |
| ## | 126 | 0.3333333 | 1.3333333 |
| ## | 127 | 0.0000000 | 0.0000000 |
| ## | 128 | 0.0000000 | 0.0000000 |
| ## | 129 | 0.0000000 | 0.0000000 |
| ## | 130 | 1.0000000 | 0.0000000 |
| ## | 131 | 3.0000000 | 3.0000000 |
| ## | 132 | 1.5000000 | 0.0000000 |
| ## | 133 | 0.3333333 | 0.6666667 |
| ## | 134 | 1.5000000 | 0.0000000 |
| ## | 135 | 0.6666667 | 0.6666667 |
| ## | 136 | 0.6666667 | 0.0000000 |
| | | | |

| ## | 137 | 1.0000000 | 2.0000000 |
|----------|------------|-----------|-----------|
| ## | 138 | 4.0000000 | 8.0000000 |
| ## | 139 | 0.5000000 | 1.5000000 |
| ## | 140 | 2.0000000 | 2.0000000 |
| ## | 141 | 0.6666667 | 0.0000000 |
| ## | 142 | 1.0000000 | 4.0000000 |
| ## | 143 | 1.5000000 | 0.0000000 |
| ## | 144 | 4.0000000 | 0.0000000 |
| ## | 145 | 0.5000000 | 0.5000000 |
| ## | 146 | 1.0000000 | 1.0000000 |
| ## | 147 | 0.0000000 | 0.0000000 |
| ## | 148 | 1.0000000 | 3.0000000 |
| ## | 149 | 1.0000000 | 1.0000000 |
| ## | 150 | 0.2500000 | 0.0000000 |
| ## | 151 | 3.0000000 | 3.0000000 |
| ## | 152 | 3.0000000 | 0.0000000 |
| ## | 153 154 | 2.0000000 | 2.0000000 |
| ## ## | 154 155 | 0.6666667 | 0.0000000 |
| ## | 156 | 1.5000000 | 0.0000000 |
| ## | 157 | 0.5000000 | 0.0000000 |
| ## | 158 | 1.0000000 | 0.0000000 |
| ## | 159 | 2.0000000 | 2.0000000 |
| ## | 160 | 0.6666667 | 0.0000000 |
| ## | 161 | Inf | Inf |
| ## | 162 | 3.0000000 | 3.0000000 |
| ## | 163 | Inf | J.0000000 |
| ## | 164 | 0.6666667 | 3.3333333 |
| ## | 165 | 1.0000000 | 1.0000000 |
| ## | 166 | 0.3333333 | 0.3333333 |
| ## | 167 | Inf | Inf |
| ## | 168 | Inf | Inf |
| ## | 169 | 0.5000000 | 0.5000000 |
| ## | 170 | 0.0000000 | 0.0000000 |
| ## | 171 | 0.3333333 | 0.6666667 |
| ## | 172 | 0.3333333 | 0.0000000 |
| ## | 173 | 0.6666667 | 0.0000000 |
| ## | 174 | 0.5000000 | 0.5000000 |
| ## | 175 | 0.000000 | 0.0000000 |
| ## | 176 | 1.5000000 | 0.0000000 |
| ## | 177 | 2.0000000 | 2.0000000 |
| ## | 178 | 0.3333333 | 0.0000000 |
| ## | 179 | 1.0000000 | 0.0000000 |
| ## | 180 | 1.5000000 | 0.0000000 |
| ## | 181 | 0.6666667 | 0.0000000 |
| ## | 182 | 2.0000000 | 0.0000000 |
| ## | 183 | 0.0000000 | 0.0000000 |
| ## | 184 | Inf | NaN |
| ## | 185 | 0.5000000 | 1.0000000 |
| ## | 186 | 0.000000 | 0.0000000 |
| ## | 187 | 2.0000000 | 4.0000000 |
| ## | 188 | 3.0000000 | 3.0000000 |
| ## | 189 | 0.3333333 | 0.6666667 |
| | 190 | 0.2500000 | 0.0000000 |

| ## | 191 | 0.6666667 | 0.0000000 |
|----|-----|-----------|-----------|
| ## | 192 | 2.0000000 | 0.0000000 |
| ## | 193 | Inf | Inf |
| ## | 194 | 4.0000000 | 0.0000000 |
| ## | 195 | 3.0000000 | 0.0000000 |
| ## | 196 | Inf | Inf |
| ## | 197 | 4.0000000 | 4.0000000 |
| ## | 198 | 0.5000000 | 1.0000000 |
| ## | 199 | 3.0000000 | 9.0000000 |
| ## | 200 | 0.6666667 | 0.0000000 |
| ## | 201 | 5.0000000 | 0.0000000 |
| ## | 202 | 1.0000000 | 2.0000000 |
| ## | 203 | 0.5000000 | 0.5000000 |
| ## | 204 | 3.0000000 | 0.0000000 |
| ## | 205 | 0.000000 | 0.0000000 |
| ## | 206 | 1.0000000 | 2.0000000 |
| ## | 207 | 0.5000000 | 0.5000000 |
| ## | 208 | 2.0000000 | 2.0000000 |
| ## | 209 | 4.000000 | 0.0000000 |
| ## | 210 | 0.3333333 | 0.6666667 |

rubalcaba

| ## | | Mother | Treatment | Year | ${\tt Clutch}$ | Date | | Eggs | Hatchlings | Fledglings |
|----|----|---------|-----------|------|----------------|------------|----|------|------------|------------|
| ## | 1 | 3296489 | LD | 2015 | 1 | 14/04/2015 | 42 | 3 | 3 | 3 |
| ## | 2 | A703 | LD | 2015 | 1 | 08/04/2015 | 8 | 5 | 5 | 5 |
| ## | 3 | C038 | LD | 2015 | 1 | 08/04/2015 | 11 | 4 | 3 | 3 |
| ## | 4 | C141 | LD | 2015 | 1 | 28/05/2015 | 20 | 4 | 4 | 4 |
| ## | 5 | C524 | LD | 2015 | 1 | 05/04/2015 | 25 | 5 | 4 | 4 |
| ## | 6 | C663 | LD | 2015 | 1 | 07/04/2015 | 24 | 5 | 5 | 5 |
| ## | 7 | C699 | LD | 2015 | 1 | 12/05/2015 | 33 | 5 | 4 | 4 |
| ## | 8 | C708 | LD | 2015 | 1 | 08/04/2015 | 34 | 5 | 2 | 2 |
| ## | 9 | C723 | LD | 2015 | 1 | 10/04/2015 | 39 | 4 | 4 | 4 |
| ## | 10 | C853 | LD | 2015 | 1 | 08/04/2015 | 38 | 3 | 2 | 2 |
| ## | 11 | E013 | LD | 2015 | 1 | 19/04/2015 | 36 | 3 | 3 | 3 |
| ## | 12 | E117 | LD | 2015 | 1 | 08/04/2015 | 26 | 4 | 4 | 4 |
| ## | 13 | E152 | LD | 2015 | 1 | 07/04/2015 | 21 | 4 | 4 | 4 |
| ## | 14 | E201 | LD | 2015 | 1 | 07/04/2015 | 23 | 4 | 4 | 4 |
| ## | 15 | E209 | LD | 2015 | 1 | 15/04/2015 | 37 | 5 | 5 | 5 |
| ## | 16 | G114 | LD | 2015 | 1 | 07/04/2015 | 7 | 4 | 4 | 4 |
| ## | 17 | G118 | LD | 2015 | 1 | 03/06/2015 | 36 | 4 | 3 | 2 |
| ## | 18 | G224 | LD | 2015 | | 07/04/2015 | 41 | 5 | 5 | 5 |
| ## | 19 | H035 | LD | 2015 | | 20/05/2015 | 11 | 4 | 3 | 3 |
| ## | 20 | H036 | LD | 2015 | 1 | 21/05/2015 | 38 | 5 | 4 | 3 |
| ## | 21 | H069 | LD | 2015 | 1 | 27/05/2015 | 35 | 4 | 4 | 4 |
| ## | 22 | A703 | LD | 2015 | 2 | 25/05/2015 | 8 | 4 | 3 | 3 |
| ## | 23 | 3156330 | HD | 2015 | 1 | 17/05/2015 | 45 | 5 | 5 | 3 |
| ## | 24 | 3402230 | HD | 2015 | 1 | ,, | 12 | 4 | 4 | 4 |
| ## | 25 | A663 | HD | 2015 | 1 | 06/04/2015 | 45 | 6 | 6 | 5 |
| ## | 26 | A903 | HD | 2015 | 1 | 06/04/2015 | 43 | 5 | 5 | 5 |
| ## | 27 | C005 | HD | 2015 | 1 | 28/05/2015 | 28 | 4 | 3 | 3 |
| ## | 28 | C014 | HD | 2015 | | 06/05/2015 | 46 | 3 | 3 | 3 |
| | 29 | C024 | HD | 2015 | | 07/05/2015 | 13 | 5 | 5 | 5 |
| | 30 | C080 | HD | 2015 | | 22/05/2015 | 16 | 5 | 5 | 4 |
| ## | 31 | C469 | HD | 2015 | 1 | 05/04/2015 | 29 | 6 | 6 | 6 |

| ## | 32 | C525 | HD 2015 | 1 07/04/2015 | 31 | 4 | 4 | 4 |
|----------|----------|--------------|--------------------|------------------------------|----------|--------|--------|--------|
| ## | 33 | C582 | HD 2015 | 1 17/05/2015 | 15 | 5 | 5 | 4 |
| ## | 34 | C851 | HD 2015 | 1 07/04/2015 | 27 | 4 | 4 | 4 |
| ## | 35 | C852 | HD 2015 | 1 08/04/2015 | 15 | 4 | 4 | 4 |
| ## | 36 | D464 | HD 2015 | 1 13/05/2015 | 44 | 5 | 5 | 4 |
| ## | 37 | E200 | HD 2015 | 1 18/05/2015 | 14 | 5 | 5 | 4 |
| ## | 38 | E300 | HD 2015 | 1 07/05/2015 | 5 | 5 | 5 | 5 |
| ## | 39 | G275 | HD 2015 | 1 07/04/2015 | 1 | 5 | 4 | 4 |
| ## | 40 | A663 | HD 2015 | 2 24/05/2015 | 47 | 5 | 5 | 5 |
| ## | 41 | A903 | HD 2015 | 2 21/05/2015 | 43 | 5 | 4 | 4 |
| ## | 42 | C038 | HD 2015 | 2 19/05/2015 | 17 | 5 | 4 | 3 |
| ## | 43 | C525 | HD 2015 | 2 19/05/2015 | 31 | 4 | 3 | 3 |
| ## | 44 | C851 | HD 2015 | 2 21/05/2015 | 27 | 5 | 4 | 4 |
| ## | 45 | 3156384 | LD 2016 | 1 21/04/2016 | 34 | 4 | 4 | 4 |
| ## | 46 | 3296489 | LD 2016 | 1 15/05/2016 | 42 | 5 | 3 | 3 |
| ## | 47 | 3402517 | LD 2016 | 1 20/04/2016 | 9 | 4 | 4 | 4 |
| ## | 48 | C522 | LD 2016 | 1 12/05/2016 | 37 | 5 | 5 | 4 |
| ## | 49 | C524 | LD 2016 | 1 18/04/2016 | 19 | 5 | 5 | 5 |
| ## | 50 | C548 | LD 2016 | 1 14/05/2016 | 7 | 5 | 5 | 5 |
| ## | 51 | C723 | LD 2016 | 1 21/04/2016 1 23/05/2016 | 39 | 5 | 5 | 5 |
| ## | 52 | E117 E152 | LD 2016 | | 26 | 5 | 5 | 5 |
| ## ## | 53 54 | E152 E200 | LD 2016 LD 2016 | 1 19/04/2016 1 19/04/2016 | 21 8 | 5 4 | 5 4 | 5 4 |
| ## | 55 | E200 E209 | LD 2016 LD 2016 | | 38 | 5 | 5 | 5 |
| ## | 56 | G296 | LD 2016 LD 2016 | | 36 18 | 5 5 | 4 | 4 |
| ## | 57 | G296 G606 | LD 2016 LD 2016 | | 23 | 3 | 3 | 2 |
| ## | 58 | H024 | LD 2016 | 1 10/06/2016 1 20/04/2016 | 23 24 | 5 5 | 5 | 5 |
| ## | 59 | H069 | LD 2016 | 1 05/06/2016 | 33 | 4 | 4 | 4 |
| ## | 60 | H153 | LD 2016 | 1 20/04/2016 | 20 | 6 | 4 | 3 |
| ## | 61 | H202 | LD 2016 | 1 27/05/2016 | 25 | 5 | 5 | 4 |
| ## | 62 | 3402517 | LD 2016 | 2 04/06/2016 | 9 | 5 | 4 | 4 |
| ## | 63 | E152 | LD 2016 | 2 07/06/2016 | 21 | 5 | 3 | 3 |
| ## | 64 | 3156330 | HD 2016 | 1 20/04/2016 | 45 | 5 | 5 | 5 |
| ## | 65 | 3389073 | HD 2016 | 1 20/04/2016 | 29 | 5 | 5 | 5 |
| ## | 66 | A663 | HD 2016 | 1 20/04/2016 | 44 | 4 | 4 | 4 |
| ## | 67 | A903 | HD 2016 | 1 19/04/2016 | 43 | 4 | 4 | 4 |
| ## | 68 | C005 | HD 2016 | 1 20/04/2016 | 28 | 4 | 4 | 4 |
| ## | 69 | C024 | HD 2016 | 1 20/04/2016 | 13 | 4 | 3 | 3 |
| | 70 | C080 | HD 2016 | 1 21/04/2016 | 16 | 3 | 3 | 1 |
| ## | 71 | C170 | HD 2016 | 1 19/04/2016 | 47 | 4 | 4 | 4 |
| ## | 72 | C525 | HD 2016 | 1 20/04/2016 | 31 | 5 | 5 | 5 |
| ## | 73 | C527 | HD 2016 | 1 20/04/2016 | 30 | 5 | 5 | 5 |
| ## | 74 | C716 | HD 2016 | 1 27/04/2016 | 2 | 5 | 4 | 3 |
| ## | 75 | C851 | HD 2016 | 1 04/06/2016 | 27 | 5 | 5 | 4 |
| ## | 76 | D706 | HD 2016 | 1 07/06/2016 | 14 | 4 | 1 | 1 |
| ## | 77 | G294 | HD 2016 | 1 23/04/2016 | 15 | 4 | 4 | 4 |
| ## | 78 | G611 | HD 2016 | 1 24/04/2016 | 3 | 2 | 2 | 2 |
| ## | 79 | G615 | HD 2016 | 1 04/06/2016 | 15 | 6 | 4 | 4 |
| ## | 80 | H152 | HD 2016 | 1 22/04/2016 | 12 | 3 | 2 | 2 |
| ## | 81 | H203 | HD 2016 | 1 20/04/2016 | 14 | 4 | 4 | 4 |
| ## | 82 | H324 | HD 2016 | 1 27/05/2016 | 32 | 4 | 4 | 0 |
| ## | | A663 | HD 2016 | 2 05/06/2016 | 44 | 4 | 3 | 3 |
| ## | | C080 | HD 2016 | 2 10/06/2016 | 16 | 5 | 4 | 4 |
| ## | 85 | H203 | HD 2016 | 2 06/06/2016 | 28 | 5 | 3 | 0 |

| ## | 86 | 3389073 | LD | 2017 | | 09/05/2017 | 25 | 5 | 4 | 4 |
|----|-----|---------|----|------|---|------------|----|---|---|---|
| ## | 87 | 3408094 | LD | 2017 | 1 | 15/04/2017 | 9 | 5 | 5 | 5 |
| ## | 88 | 3410354 | LD | 2017 | 1 | 20/04/2017 | 40 | 5 | 5 | 5 |
| ## | 89 | 3410366 | LD | 2017 | 1 | 15/04/2017 | 10 | 5 | 4 | 4 |
| ## | 90 | 3411609 | LD | 2017 | 1 | 15/04/2017 | 33 | 5 | 5 | 5 |
| ## | 91 | 3423966 | LD | 2017 | 1 | 20/05/2017 | 35 | 5 | 5 | 5 |
| ## | 92 | C014 | LD | 2017 | 1 | 14/04/2017 | 42 | 5 | 3 | 3 |
| ## | 93 | C522 | LD | 2017 | 1 | 07/05/2017 | 37 | 6 | 6 | 5 |
| ## | 94 | C548 | LD | 2017 | 1 | 15/04/2017 | 7 | 4 | 4 | 4 |
| ## | 95 | C853 | LD | 2017 | 1 | 19/04/2017 | 34 | 5 | 3 | 2 |
| ## | 96 | E227 | LD | 2017 | 1 | 12/05/2017 | 41 | 5 | 5 | 5 |
| ## | 97 | E301 | LD | 2017 | 1 | 29/04/2017 | 11 | 6 | 5 | 5 |
| ## | 98 | G147 | LD | 2017 | 1 | 15/04/2017 | 39 | 5 | 3 | 3 |
| ## | 99 | G166 | LD | 2017 | 1 | 15/04/2017 | 26 | 6 | 6 | 6 |
| ## | 100 | G296 | LD | 2017 | 1 | 15/04/2017 | 18 | 5 | 5 | 5 |
| ## | 101 | G849 | LD | 2017 | 1 | 08/05/2017 | 23 | 5 | 5 | 5 |
| ## | 102 | G961 | LD | 2017 | 1 | 14/04/2017 | 38 | 5 | 4 | 4 |
| ## | 103 | H047 | LD | 2017 | 1 | 16/04/2017 | 19 | 5 | 5 | 1 |
| ## | 104 | H153 | LD | 2017 | 1 | 15/05/2017 | 36 | 6 | 6 | 6 |
| ## | 105 | H901 | LD | 2017 | 1 | 16/04/2017 | 20 | 5 | 4 | 4 |
| ## | 106 | C548 | LD | 2017 | 2 | 03/06/2017 | 7 | 4 | 2 | 0 |
| ## | 107 | G166 | LD | 2017 | 2 | 42889 | 26 | 5 | 4 | 2 |
| ## | 108 | H901 | LD | 2017 | 2 | 03/06/2017 | 20 | 4 | 3 | 2 |
| ## | 109 | 3410802 | HD | 2017 | 1 | 16/04/2017 | 27 | 5 | 5 | 5 |
| ## | 110 | C170 | HD | 2017 | 1 | 15/04/2017 | 47 | 5 | 5 | 5 |
| ## | 111 | C533 | HD | 2017 | 1 | 16/04/2017 | 14 | 4 | 2 | 1 |
| ## | 112 | C852 | HD | 2017 | 1 | 16/04/2017 | 15 | 5 | 5 | 5 |
| ## | 113 | E313 | HD | 2017 | 1 | 15/04/2017 | 16 | 4 | 4 | 4 |
| ## | 114 | G681 | HD | 2017 | 1 | 14/04/2017 | 13 | 5 | 5 | 5 |
| ## | 115 | G845 | HD | 2017 | 1 | 15/04/2017 | 32 | 5 | 5 | 5 |
| ## | 116 | G890 | HD | 2017 | 1 | 01/05/2017 | 46 | 5 | 3 | 3 |
| ## | 117 | H178 | HD | 2017 | 1 | 29/04/2017 | 29 | 5 | 5 | 5 |
| ## | 118 | H202 | HD | 2017 | 1 | 15/04/2017 | 12 | 5 | 5 | 5 |
| ## | 119 | H203 | HD | 2017 | 1 | 29/05/2017 | 44 | 5 | 3 | 2 |
| ## | 120 | H301 | HD | 2017 | | 15/04/2017 | 4 | 5 | 4 | 4 |
| ## | 121 | H404 | HD | 2017 | | 20/04/2017 | 1 | 3 | 2 | 2 |
| ## | 122 | H423 | HD | 2017 | 1 | 22/04/2017 | 2 | 4 | 4 | 4 |
| ## | 123 | H907 | HD | 2017 | | 30/04/2017 | 6 | 4 | 4 | 4 |
| ## | 124 | C170 | HD | 2017 | 2 | 05/06/2017 | 47 | 4 | 3 | 2 |
| | 125 | C533 | HD | 2017 | 2 | 03/06/2017 | 17 | 4 | 4 | 4 |
| | 126 | H404 | | 2017 | | 02/06/2017 | 1 | 5 | 4 | 1 |
| ## | 127 | 3410362 | LD | 2018 | 1 | 25/04/2018 | 11 | 3 | 3 | 3 |
| | 128 | 3410794 | | 2018 | | 11/06/2018 | 38 | 5 | 4 | 2 |
| ## | 129 | C014 | | 2018 | | 23/04/2018 | 41 | 5 | 3 | 3 |
| ## | 130 | C503 | LD | 2018 | 1 | 24/04/2018 | 19 | 4 | 4 | 4 |
| ## | 131 | C548 | | 2018 | | 25/05/2018 | 7 | 5 | 4 | 4 |
| ## | 132 | C853 | LD | 2018 | 1 | 24/04/2018 | 34 | 5 | 5 | 5 |
| ## | 133 | G166 | | 2018 | | 24/04/2018 | 26 | 6 | 4 | 4 |
| ## | 134 | G190 | | 2018 | | 23/04/2018 | 21 | 5 | 5 | 5 |
| | 135 | G388 | | 2018 | | 12/06/2018 | 35 | 5 | 5 | 4 |
| | 136 | G681 | | 2018 | | 23/04/2018 | 9 | 5 | 5 | 5 |
| | 137 | G740 | | 2018 | | 04/06/2018 | 26 | 5 | 4 | 3 |
| | 138 | H178 | | 2018 | | 10/06/2018 | 33 | 5 | 5 | 3 |
| ## | 139 | H407 | LD | 2018 | 1 | 08/06/2018 | 23 | 5 | 3 | 2 |

| ## | 140 | H570 | LD | 2018 | 1 | 08/06/2018 | 37 | 4 | 3 | 3 |
|----|-----|----------|----|------|---|------------|----|---|---|---|
| ## | 141 | H619 bis | LD | 2018 | | 16/05/2018 | 20 | 5 | 5 | 5 |
| ## | 142 | H680 | LD | 2018 | 1 | 24/04/2018 | 25 | 4 | 2 | 0 |
| ## | 143 | H903 | LD | 2018 | 1 | 25/04/2018 | 42 | 5 | 5 | 5 |
| ## | 144 | Н907 | LD | 2018 | 1 | 17/05/2018 | 8 | 5 | 5 | 5 |
| ## | 145 | C503 | LD | 2018 | 2 | 05/06/2018 | 19 | 4 | 3 | 3 |
| ## | 146 | G190 | LD | 2018 | 2 | 09/06/2018 | 21 | 5 | 4 | 4 |
| ## | 147 | G681 | LD | 2018 | 2 | 06/06/2018 | 9 | 5 | 2 | 0 |
| ## | 148 | H680 | LD | 2018 | 2 | | 25 | 5 | 2 | 2 |
| ## | 149 | 3410354 | HD | 2018 | 1 | 24/04/2018 | 48 | 5 | 4 | 4 |
| ## | 150 | 3410802 | HD | 2018 | 1 | 17/05/2018 | 27 | 5 | 5 | 5 |
| ## | 151 | 3423966 | HD | 2018 | 1 | 23/04/2018 | 5 | 5 | 4 | 4 |
| ## | 152 | 3424705 | HD | 2018 | 1 | 24/05/2018 | 31 | 4 | 4 | 4 |
| ## | 153 | A663 | HD | 2018 | 1 | 25/04/2018 | 43 | 4 | 3 | 3 |
| ## | 154 | C170 | HD | 2018 | 1 | 23/04/2018 | 47 | 4 | 4 | 4 |
| ## | 155 | C533 | HD | 2018 | 1 | 23/04/2018 | 17 | 5 | 5 | 5 |
| ## | 156 | E227 | HD | 2018 | 1 | 25/04/2018 | 44 | 5 | 5 | 5 |
| ## | 157 | E301 | HD | 2018 | 1 | 25/04/2018 | 14 | 3 | 3 | 3 |
| ## | 158 | E313 | HD | 2018 | 1 | 24/04/2018 | 16 | 4 | 4 | 4 |
| ## | 159 | G296 | HD | 2018 | 1 | 25/04/2018 | 32 | 4 | 3 | 3 |
| ## | 160 | G847 | HD | 2018 | 1 | 23/04/2018 | 2 | 5 | 5 | 5 |
| ## | 161 | H423 | HD | 2018 | 1 | 19/05/2018 | 3 | 4 | 3 | 3 |
| ## | 162 | H558 | HD | 2018 | 1 | 16/05/2018 | 46 | 5 | 4 | 4 |
| ## | 163 | H676 | HD | 2018 | 1 | 10/06/2018 | 12 | 5 | 4 | 4 |
| ## | 164 | H689 | HD | 2018 | 1 | 18/05/2018 | 30 | 5 | 5 | 0 |
| ## | 165 | H812 | HD | 2018 | 1 | 18/05/2018 | 6 | 3 | 2 | 2 |
| ## | 166 | H902 | HD | 2018 | 1 | 24/04/2018 | 15 | 5 | 4 | 4 |
| ## | 167 | 3410354 | HD | 2018 | 2 | 15/06/2018 | 48 | 5 | 4 | 3 |
| ## | 168 | 3423966 | HD | 2018 | 2 | 08/06/2018 | 5 | 5 | 3 | 0 |
| ## | 169 | A663 | HD | 2018 | 2 | 15/06/2018 | 43 | 4 | 3 | 3 |
| ## | 170 | E301 | HD | 2018 | 2 | 08/06/2018 | 14 | 4 | 4 | 4 |
| ## | 171 | G296 | HD | 2018 | 2 | 06/06/2018 | 32 | 6 | 4 | 4 |
| ## | 172 | C548 | LD | 2019 | | 20/04/2019 | 7 | 4 | 4 | 4 |
| ## | 173 | H907 | LD | 2019 | 2 | 26/04/2019 | 8 | 5 | 5 | 5 |
| ## | 174 | 3410362 | LD | 2019 | 1 | 19/04/2019 | 11 | 4 | 3 | 3 |
| ## | 175 | G849 | LD | 2019 | 1 | | 18 | 5 | 4 | 1 |
| | 176 | C503 | | 2019 | | 20/04/2019 | 19 | 5 | 5 | 5 |
| ## | 177 | C503 | | 2019 | | 05/06/2019 | 19 | 3 | 3 | 2 |
| | 178 | E378 | | 2019 | | 22/04/2019 | 20 | 4 | 4 | 4 |
| | 179 | G190 | | 2019 | | 18/04/2019 | 21 | 6 | 6 | 6 |
| | 180 | E460 | | 2019 | | 05/05/2019 | 22 | 5 | 5 | 5 |
| | 181 | H504 | | 2019 | | 03/05/2019 | 24 | 5 | 5 | 5 |
| | 182 | H680 | | 2019 | | 21/04/2019 | 25 | 3 | 3 | 3 |
| ## | 183 | H680 | | 2019 | | 06/06/2019 | 25 | 4 | 3 | 3 |
| ## | 184 | H619 bis | | 2019 | | 11/05/2019 | 26 | 5 | 5 | 5 |
| | 185 | H178 | | 2019 | | 03/05/2019 | 33 | 5 | 3 | 3 |
| ## | 186 | H178 | | 2019 | | 16/06/2019 | 33 | 4 | 3 | 2 |
| ## | 187 | H558 | | 2019 | | 19/04/2019 | 34 | 5 | 3 | 3 |
| ## | 188 | C014 | | 2019 | | 18/04/2019 | 41 | 5 | 4 | 4 |
| | 189 | B256 | | 2019 | | 07/05/2019 | 42 | 5 | 3 | 3 |
| | 190 | G847 | | 2019 | | 03/04/2019 | 2 | 5 | 5 | 5 |
| | 191 | H540 | | 2019 | | 19/04/2019 | 3 | 5 | 5 | 5 |
| | 192 | E666 | | 2019 | | 23/04/2019 | 6 | 3 | 3 | 3 |
| ## | 193 | E614 | HD | 2019 | 2 | 29/05/2019 | 6 | 3 | 1 | 0 |

| ## | 194 | G681 | | HD | 2019 | 1 | 17/04/2019 | 12 | 5 | 5 | 5 |
|----|----------|---------|--------|----|--------|---|------------|---------|------------------------|--------------|---|
| ## | 195 | H813 | | HD | 2019 | 1 | 20/04/2019 | 13 | 4 | 4 | 4 |
| ## | 196 | E301 | | HD | 2019 | 1 | 20/04/2019 | 14 | 5 | 4 | 4 |
| ## | 197 | E534 | | HD | 2019 | 1 | 30/04/2019 | 15 | 6 | 5 | 5 |
| ## | 198 | E313 | | HD | 2019 | 1 | 21/04/2019 | 16 | 5 | 3 | 3 |
| ## | 199 | E313 | | | 2019 | 2 | 06/06/2019 | 16 | 4 | 4 | 1 |
| ## | 200 | C533 | | HD | 2019 | 3 | 11/05/2019 | 17 | 5 | 5 | 5 |
| ## | 201 | G166 | | | 2019 | 2 | 01/05/2019 | 28 | 6 | 6 | 6 |
| ## | 202 | 3424705 | | | 2019 | 1 | | 31 | 5 | 5 | 3 |
| ## | 203 | 3424705 | | | 2019 | | 05/06/2019 | 31 | 4 | 3 | 3 |
| | 204 | H770 | | | 2019 | | 15/05/2019 | 43 | 4 | 4 | 4 |
| | 205 | E227 | | | 2019 | | 04/06/2019 | 44 | 4 | 2 | 2 |
| | 206 | H451 | | | 2019 | | 18/04/2019 | 45 | 5 | 4 | 3 |
| | 207 | G849 | | | 2019 | | 31/05/2019 | 45 | 4 | 3 | 3 |
| | 208 | B337 | | | 2019 | | 01/06/2019 | 46 | 3 | 3 | 2 |
| | 209 | C170 | | | 2019 | | 19/04/2019 | 47 | 5 | 5 | 5 |
| | 210 | B336 | | | 2019 | | 02/06/2019 | 47 | 4 | 4 | 2 |
| ## | | | | | | | | natchsi | | survivalrate | |
| | 1 | 1 | 2 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| | 2 | 4 | 1 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 3 | 1 | 2 | | 1 | 0 | 1 | | 0.7500000 | 0.7500000 | |
| | 4 | 2 | 2 | | 0 | 0 | 0 | | 1.000000 | 1.0000000 | |
| ## | 5 | 3 | 1 | | 1 | 0 | 1 | | 0.8000000 | 0.8000000 | |
| | 6 | 3 | 2 | | 0 | 0 | 0 | | 1.000000 | 1.0000000 | |
| | 7 | 3 | 1 | | 1 | 0 | 1 | | 0.8000000 | 0.8000000 | |
| | 8 | 0 | 2 | | 3 | 0 | 3 | | 0.400000 | 0.400000 | |
| ## | 9 | 1 | 3 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 10 | 2 | 0 | | 1 | 0 | 1 | | 0.6666667 | 0.6666667 | |
| ## | 11 | 2 | 1 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 12 | 4 | 0 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 13 | 1 | 3 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 14 | 0 | 4 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 15 | 2 | 3 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 16 | 3 | 1 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 17 | 3 4 | 0 | | 2 | 1 | 1 | | 0.7500000 | 0.5000000 | |
| ## | 18 19 | 2 | 1 1 | | 0 1 | 0 | 0 1 | | 1.0000000 0.7500000 | 1.0000000 | |
| | | | | | 2 | | | | 0.8000000 | | |
| ## | 20 21 | 1 1 | 3 3 | | 0 | 1 | 1 0 | | 1.0000000 | 0.6000000 | |
| | 22 | 2 | 1 | | 1 | 0 | 1 | | 0.7500000 | 0.7500000 | |
| | 23 | 2 | 3 | | 2 | 2 | 0 | | 1.0000000 | 0.6000000 | |
| | 24 | 1 | 3 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| | 25 | 3 | 3 | | 1 | 1 | 0 | | 1.0000000 | 0.8333333 | |
| | 26 | 2 | 3 | | 0 | 0 | Ö | | 1.0000000 | 1.0000000 | |
| | 27 | 0 | 3 | | 1 | 0 | 1 | | 0.7500000 | 0.7500000 | |
| ## | 28 | 2 | 1 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 29 | 1 | 4 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 30 | 3 | 2 | | 1 | 1 | 0 | | 1.0000000 | 0.8000000 | |
| | 31 | 3 | 3 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 32 | 3 | 1 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 33 | 1 | 4 | | 1 | 1 | 0 | | 1.0000000 | 0.8000000 | |
| ## | 34 | 2 | 2 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 35 | 1 | 3 | | 0 | 0 | 0 | | 1.0000000 | 1.0000000 | |
| ## | 36 | 2 | 3 | | 1 | 1 | 0 | | 1.0000000 | 0.8000000 | |
| | | | | | | | | | | | |

| ## | 37 | 1 | 4 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
|----|----|---|---|---|---|---|-----------|-----------|
| ## | 38 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 39 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 40 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 41 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 42 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| | 43 | 1 | 2 | 1 | | 1 | 0.7500000 | 0.7500000 |
| | | | | | 0 | | | |
| | 44 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 45 | 3 | 1 | 0 | 0 | 0 | 1.000000 | 1.000000 |
| ## | 46 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 47 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 48 | 4 | 1 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 49 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 50 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 51 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 52 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 53 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 54 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 55 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 56 | 4 | 0 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| | 57 | 2 | 1 | 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| | 58 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 59 | 2 | 2 | 0 | | | 1.0000000 | 1.0000000 |
| | | | | | 0 | 0 | | |
| ## | 60 | 3 | 1 | 3 | 1 | 2 | 0.6666667 | 0.5000000 |
| ## | 61 | 2 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 62 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 63 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 64 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 65 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 66 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 67 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 68 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 69 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 70 | 1 | 2 | 2 | 2 | 0 | 1.0000000 | 0.3333333 |
| ## | 71 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 72 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 74 | 3 | 1 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| | 75 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| | 76 | 0 | 1 | 3 | 0 | 3 | 0.2500000 | 0.2500000 |
| | 77 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 78 | | 1 | 0 | 0 | | 1.0000000 | 1.0000000 |
| | | 1 | | | | 0 | | |
| | 79 | 0 | 4 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| | 80 | 0 | 2 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| | 81 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 82 | 2 | 2 | 4 | 4 | 0 | 1.0000000 | 0.0000000 |
| ## | 83 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 84 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 85 | 2 | 1 | 5 | 3 | 2 | 0.6000000 | 0.0000000 |
| ## | 86 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 87 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 88 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 89 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | | - | _ | - | • | - | | |

| ## | 91 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
|---------|-----|---|---|---|---|---|-----------|-----------|
| ## | 92 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 93 | 3 | 3 | 1 | 1 | 0 | 1.0000000 | 0.8333333 |
| ## | 94 | 4 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 95 | 1 | 2 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## | 96 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 97 | 3 | 2 | 1 | 0 | 1 | 0.8333333 | 0.8333333 |
| ## | 98 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 99 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 100 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 101 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 102 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 103 | 2 | 3 | 4 | 4 | 0 | 1.0000000 | 0.2000000 |
| ## | 104 | 1 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 105 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 106 | 2 | 0 | 4 | 2 | 2 | 0.5000000 | 0.0000000 |
| ## | 107 | 2 | 2 | 3 | 2 | 1 | 0.8000000 | 0.4000000 |
| ## | 108 | 1 | 2 | 2 | 1 | 1 | 0.7500000 | 0.5000000 |
| ## | 109 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 110 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 111 | 2 | 0 | 3 | 1 | 2 | 0.5000000 | 0.2500000 |
| ## | 112 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 113 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 114 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 115 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 116 | 1 | 2 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 117 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 118 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 119 | 1 | 2 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## | 120 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 121 | 0 | 2 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| ## | 122 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 123 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 124 | 1 | 2 | 2 | 1 | 1 | 0.7500000 | 0.5000000 |
| ## | 125 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 126 | 3 | 1 | 4 | 3 | 1 | 0.8000000 | 0.2000000 |
| ## | 127 | 3 | 0 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 128 | 4 | 0 | 3 | 2 | 1 | 0.8000000 | 0.400000 |
| ## | 129 | 3 | 0 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 130 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 131 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 132 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 133 | 3 | 1 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| ## | 134 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 135 | 3 | 2 | 1 | 1 | 0 | 1.0000000 | 0.8000000 |
| ## | 136 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 137 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 138 | 1 | 4 | 2 | 2 | 0 | 1.0000000 | 0.6000000 |
| ## | 139 | 2 | 1 | 3 | 1 | 2 | 0.6000000 | 0.4000000 |
| ## | 140 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 141 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 142 | 1 | 1 | 4 | 2 | 2 | 0.5000000 | 0.0000000 |
| | 143 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 144 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | | - | - | - | - | - | | |

| ## | 145 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
|----|-----|---|---|---|---|---|---------------------|-----------|
| ## | 146 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 147 | 2 | 0 | 5 | 2 | 3 | 0.4000000 | 0.0000000 |
| ## | 148 | 1 | 1 | 3 | 0 | 3 | 0.400000 | 0.4000000 |
| ## | 149 | 2 | 2 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 150 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 151 | 1 | 3 | 1 | | | 0.8000000 | 0.8000000 |
| ## | | | | | 0 | 1 | | |
| ## | 152 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 153 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 154 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 155 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 156 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 157 | 2 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 158 | 2 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 159 | 1 | 2 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 160 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 161 | 0 | 3 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 162 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 163 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 164 | 3 | 2 | 5 | 5 | 0 | 1.0000000 | 0.0000000 |
| ## | 165 | 1 | 1 | 1 | 0 | 1 | 0.6666667 | 0.6666667 |
| ## | 166 | 3 | 1 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 167 | 0 | 4 | 2 | | 1 | 0.8000000 | 0.6000000 |
| | | | | | 1 | | | |
| ## | 168 | 0 | 3 | 5 | 3 | 2 | 0.6000000 | 0.0000000 |
| ## | 169 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 170 | 4 | 0 | 0 | 0 | 0 | 1.000000 | 1.000000 |
| ## | 171 | 3 | 1 | 2 | 0 | 2 | 0.6666667 | 0.6666667 |
| ## | 172 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 173 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 174 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 175 | 4 | 0 | 4 | 3 | 1 | 0.8000000 | 0.2000000 |
| ## | 176 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 177 | 1 | 2 | 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| ## | 178 | 3 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 179 | 3 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 180 | 2 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 181 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 182 | 1 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 183 | 3 | 0 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| | 184 | 0 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 185 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | 186 | | 0 | 2 | | 1 | 0.7500000 | 0.5000000 |
| | | 3 | | | 1 | | | |
| | 187 | 1 | 2 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 188 | 1 | 3 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| ## | 189 | 3 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| ## | 190 | 4 | 1 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 191 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 192 | 1 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 193 | 0 | 1 | 3 | 1 | 2 | 0.3333333 | 0.0000000 |
| ## | 194 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 195 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| | 196 | 0 | 4 | 1 | 0 | 1 | 0.8000000 | 0.8000000 |
| | 197 | 1 | 4 | 1 | 0 | 1 | 0.8333333 | 0.8333333 |
| | 198 | 2 | 1 | 2 | 0 | 2 | 0.6000000 | 0.6000000 |
| | | - | - | _ | - | _ | - / 5 5 5 5 5 5 5 5 | |

| ## | 199 | 1 | 3 | 3 | 3 | 0 | 1.0000000 | 0.2500000 |
|----|-----|---------------------|----|------------|---|---|-----------|-----------|
| ## | 200 | 3 | 2 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 201 | 1 | 5 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 202 | 3 | 3 | 2 | 2 | 0 | 1.0000000 | 0.6000000 |
| ## | 203 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 204 | 1 | 3 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 205 | 2 | 0 | 2 | 0 | 2 | 0.5000000 | 0.5000000 |
| ## | 206 | 2 | 2 | 2 | 1 | 1 | 0.8000000 | 0.6000000 |
| ## | 207 | 2 | 1 | 1 | 0 | 1 | 0.7500000 | 0.7500000 |
| ## | 208 | 1 | 2 | 1 | 1 | 0 | 1.0000000 | 0.6666667 |
| ## | 209 | 1 | 4 | 0 | 0 | 0 | 1.0000000 | 1.0000000 |
| ## | 210 | 3 | 1 | 2 | 2 | 0 | 1.0000000 | 0.5000000 |
| ## | | ${\tt femaleratio}$ | fe | maledeaths | | | | |
| ## | 1 | 2.0000000 | | 0.0000000 | | | | |
| ## | 2 | 0.2500000 | | 0.0000000 | | | | |
| ## | 3 | 2.0000000 | | 2.0000000 | | | | |
| ## | 4 | 1.0000000 | | 0.0000000 | | | | |
| ## | 5 | 0.3333333 | | 0.3333333 | | | | |
| ## | 6 | 0.6666667 | | 0.0000000 | | | | |
| ## | 7 | 0.3333333 | | 0.3333333 | | | | |
| ## | 8 | Inf | | Inf | | | | |
| | 9 | 3.0000000 | | 0.0000000 | | | | |
| ## | 10 | 0.0000000 | | 0.0000000 | | | | |
| ## | 11 | 0.5000000 | | 0.0000000 | | | | |
| ## | 12 | 0.0000000 | | 0.0000000 | | | | |
| ## | 13 | 3.0000000 | | 0.0000000 | | | | |
| ## | 14 | Inf | | NaN | | | | |
| | 15 | 1.5000000 | | 0.0000000 | | | | |
| ## | 16 | 0.3333333 | | 0.0000000 | | | | |
| ## | 17 | 0.0000000 | | 0.0000000 | | | | |
| ## | 18 | 0.2500000 | | 0.0000000 | | | | |
| ## | 19 | 0.5000000 | | 0.5000000 | | | | |
| ## | 20 | 3.0000000 | | 6.0000000 | | | | |
| ## | 21 | 3.0000000 | | 0.0000000 | | | | |
| | 22 | 0.5000000 | | 0.5000000 | | | | |
| | 23 | 1.5000000 | | 3.0000000 | | | | |
| ## | | 3.0000000 | | 0.0000000 | | | | |
| ## | | 1.0000000 | | 1.0000000 | | | | |
| ## | | 1.5000000 | | 0.0000000 | | | | |
| ## | 27 | Inf | | Inf | | | | |
| ## | 28 | 0.5000000 | | 0.0000000 | | | | |
| ## | 29 | 4.0000000 | | 0.0000000 | | | | |
| ## | | 0.6666667 | | 0.6666667 | | | | |
| ## | | 1.0000000 | | 0.0000000 | | | | |
| ## | | 0.3333333 | | 0.0000000 | | | | |
| ## | | 4.0000000 | | 4.0000000 | | | | |
| ## | | 1.0000000 | | 0.0000000 | | | | |
| ## | | 3.0000000 | | 0.0000000 | | | | |
| ## | | 1.5000000 | | 1.5000000 | | | | |
| ## | | 4.0000000 | | 4.0000000 | | | | |
| ## | | 4.0000000 | | 0.0000000 | | | | |
| ## | | 0.3333333 | | 0.3333333 | | | | |
| ## | | 1.5000000 | | 0.0000000 | | | | |
| ## | | 3.0000000 | | 3.0000000 | | | | |
| 11 | | 3.000000 | | 5.000000 | | | | |

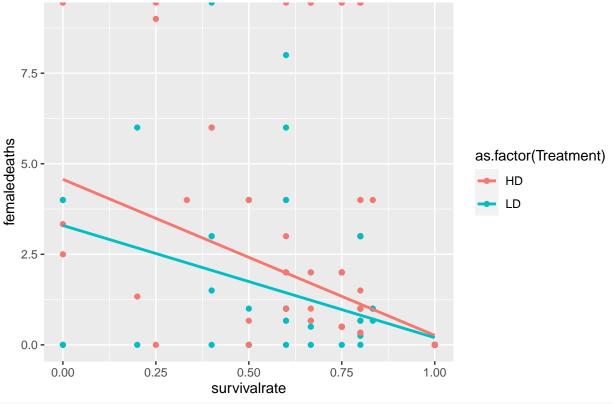
```
## 42
         1.0000000
                       2.0000000
## 43
         2.0000000
                       2.0000000
##
  44
         3.0000000
                       3.0000000
##
   45
         0.3333333
                       0.000000
##
   46
         0.5000000
                       1.0000000
##
  47
         1.0000000
                       0.0000000
## 48
         0.2500000
                       0.2500000
## 49
         4.000000
                       0.0000000
## 50
         0.2500000
                       0.0000000
##
   51
         0.6666667
                       0.0000000
##
   52
         0.666667
                       0.000000
   53
##
         4.0000000
                       0.0000000
##
   54
         3.0000000
                       0.000000
  55
                       0.000000
##
         1.5000000
##
  56
         0.000000
                       0.000000
##
  57
         0.5000000
                       0.5000000
##
  58
         4.000000
                       0.000000
##
   59
         1.000000
                       0.000000
##
  60
         0.3333333
                       1.0000000
##
   61
         1.0000000
                       1.0000000
##
  62
         3.0000000
                       3.0000000
##
  63
         0.5000000
                       1.0000000
## 64
         0.2500000
                       0.000000
##
   65
         0.2500000
                       0.0000000
##
  66
         3.0000000
                       0.0000000
##
   67
         1.0000000
                       0.0000000
   68
##
         1.0000000
                       0.0000000
##
   69
         2.0000000
                       2.0000000
##
  70
         2.0000000
                       4.0000000
##
  71
         3.0000000
                       0.000000
##
  72
         4.0000000
                       0.0000000
##
  73
         1.5000000
                       0.000000
##
  74
         0.3333333
                       0.666667
##
  75
                       0.666667
         0.6666667
##
   76
                Inf
                             Inf
##
  77
         3.0000000
                       0.000000
##
  78
         1.0000000
                       0.000000
## 79
                             Inf
                Inf
##
  80
                Inf
                             Inf
  81
         3.0000000
                       0.000000
##
  82
         1.0000000
                       4.000000
##
##
  83
         2.0000000
                       2.0000000
##
   84
         3.0000000
                       3.0000000
##
   85
         0.5000000
                       2.5000000
  86
##
         0.3333333
                       0.3333333
## 87
         0.666667
                       0.000000
## 88
         0.666667
                       0.000000
##
  89
                Inf
                              Inf
##
  90
         0.666667
                       0.0000000
##
   91
         0.666667
                       0.000000
##
  92
         0.5000000
                       1.0000000
## 93
         1.0000000
                       1.0000000
## 94
         0.000000
                       0.0000000
## 95
         2.0000000
                       6.0000000
```

| 96 | 0.6666667 | 0.0000000 |
|-----|--|---|
| | | 0.6666667 |
| | | 1.0000000 |
| | | 0.0000000 |
| | | 0.0000000 |
| | | 0.0000000 |
| | | 1.0000000 |
| | | 0.0000000 |
| | | 3.0000000 |
| | | 0.0000000 |
| | | 3.0000000 |
| | | 4.0000000 |
| | | 0.0000000 |
| | | 0.0000000 |
| | | 0.0000000 |
| | 1.5000000 | 0.0000000 |
| 113 | | 0.0000000 |
| 114 | 0.2500000 | 0.0000000 |
| 115 | 0.6666667 | 0.0000000 |
| 116 | 2.0000000 | 4.000000 |
| 117 | 1.5000000 | 0.0000000 |
| 118 | 1.5000000 | 0.0000000 |
| 119 | 2.0000000 | 6.0000000 |
| 120 | 1.0000000 | 1.0000000 |
| 121 | Inf | Inf |
| 122 | 3.0000000 | 0.0000000 |
| 123 | 0.3333333 | 0.0000000 |
| 124 | 2.0000000 | 4.0000000 |
| 125 | 1.0000000 | 0.0000000 |
| | 0.3333333 | 1.3333333 |
| | | 0.0000000 |
| | | 0.0000000 |
| | | 0.0000000 |
| | | 0.0000000 |
| | | 3.0000000 |
| | | 0.0000000 |
| | | 0.6666667 |
| | | 0.6666667 |
| | | 0.0000007 |
| | | 2.0000000 |
| | | 8.0000000 |
| | | 1.5000000 |
| | | 2.0000000 |
| | | 0.0000000 |
| | | 4.0000000 |
| 143 | 1.5000000 | 0.0000000 |
| 144 | 4.0000000 | 0.0000000 |
| 145 | 0.5000000 | 0.5000000 |
| 146 | 1.0000000 | 1.0000000 |
| 147 | 0.0000000 | 0.0000000 |
| 148 | 1.0000000 | 3.0000000 |
| 149 | 1.0000000 | 1.0000000 |
| | 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 141 151 161 171 181 191 191 191 191 191 191 19 | 97 0.6666667 98 0.5000000 99 1.0000000 100 0.6666667 101 1.5000000 102 1.0000000 103 1.5000000 104 5.0000000 105 3.0000000 106 0.0000000 107 1.0000000 109 1.5000000 110 0.6666667 111 0.0000000 112 1.5000000 113 0.3333333 114 0.2500000 115 0.6666667 116 2.0000000 117 1.5000000 118 1.5000000 117 1.5000000 118 1.5000000 119 2.0000000 110 1.5000000 110 0.6666667 111 0.0000000 111 1.5000000 112 1.0000000 113 1.5000000 114 1.5000000 115 0.6666667 116 2.0000000 117 1.5000000 118 1.5000000 119 2.0000000 120 1.0000000 121 Inf 122 3.0000000 123 0.3333333 124 2.0000000 125 1.0000000 126 0.3333333 127 0.0000000 128 0.0000000 129 0.0000000 130 1.0000000 131 3.0000000 132 1.5000000 133 0.3333333 134 1.5000000 135 0.6666667 136 0.6666667 137 1.0000000 138 4.0000000 139 0.5000000 140 2.0000000 141 0.6666667 142 1.0000000 144 1.5000000 145 0.5000000 146 1.0000000 147 0.0000000 148 1.00000000 |

| ## | 150 | 0.2500000 | 0.0000000 |
|----|------------|------------------|------------------|
| ## | 151 | 3.0000000 | 3.0000000 |
| ## | 152 | 3.0000000 | 0.0000000 |
| ## | 153 | 2.0000000 | 2.0000000 |
| ## | 154 | 0.3333333 | 0.0000000 |
| ## | 155 | 0.6666667 | 0.0000000 |
| ## | 156 | 1.5000000 | 0.0000000 |
| ## | 157 | 0.5000000 | 0.0000000 |
| ## | 158 | 1.0000000 | 0.0000000 |
| ## | 159 | 2.0000000 | 2.0000000 |
| ## | 160 | 0.6666667 | 0.000000 |
| ## | 161 | Inf | Inf |
| ## | 162 | 3.0000000 | 3.0000000 |
| ## | 163 | Inf | Inf |
| ## | 164 | 0.6666667 | 3.3333333 |
| ## | 165 | 1.0000000 | 1.0000000 |
| ## | 166 | 0.3333333 | 0.3333333 |
| ## | 167 | Inf | Inf |
| ## | 168 | Inf 0.5000000 | Inf 0.5000000 |
| ## | 169 170 | | 0.0000000 |
| ## | 171 | 0.0000000 | 0.6666667 |
| ## | 171 | 0.3333333 | 0.0000000 |
| ## | 173 | 0.333333 | 0.0000000 |
| ## | 174 | 0.5000000 | 0.5000000 |
| ## | 175 | 0.000000 | 0.0000000 |
| ## | 176 | 1.5000000 | 0.0000000 |
| ## | 177 | 2.0000000 | 2.0000000 |
| ## | 178 | 0.3333333 | 0.0000000 |
| ## | 179 | 1.0000000 | 0.0000000 |
| ## | 180 | 1.5000000 | 0.0000000 |
| ## | 181 | 0.6666667 | 0.0000000 |
| ## | 182 | 2.0000000 | 0.0000000 |
| ## | 183 | 0.0000000 | 0.0000000 |
| ## | 184 | Inf | NaN |
| ## | 185 | 0.5000000 | 1.0000000 |
| ## | 186 | 0.0000000 | 0.0000000 |
| ## | 187 | 2.0000000 | 4.0000000 |
| ## | 188 | 3.0000000 | 3.0000000 |
| ## | 189 | 0.3333333 | 0.6666667 |
| ## | 190 | 0.2500000 | 0.0000000 |
| ## | 191 | 0.6666667 | 0.0000000 |
| ## | 192 | 2.0000000 | 0.0000000 |
| ## | 193 | Inf | Inf |
| ## | 194 | 4.0000000 | 0.0000000 |
| ## | 195 | 3.0000000 | 0.0000000 |
| ## | 196 | Inf | Inf |
| ## | 197 | 4.0000000 | 4.0000000 |
| ## | 198 | 0.5000000 | 1.0000000 |
| ## | 199 | 3.0000000 | 9.0000000 |
| ## | 200 | 0.6666667 | 0.0000000 |
| ## | 201 | 5.000000 | 0.0000000 |
| ## | 202 | 1.0000000 | 2.0000000 |
| ## | 203 | 0.5000000 | 0.5000000 |

```
3.0000000
                      0.0000000
## 204
## 205
         0.0000000
                      0.0000000
## 206
         1.0000000
                      2.0000000
         0.5000000
                      0.5000000
## 207
## 208
         2.0000000
                      2.0000000
## 209
         4.0000000
                      0.0000000
## 210
         0.3333333
                      0.6666667
#Plot Survival Rates In HD vs LD
rubalcaba %>% subset(! is.na(Treatment)) %>%
  ggplot(aes(x=survivalrate, y= femaledeaths, color= as.factor(Treatment))) +geom_point()+
  labs(title = "Survival Rate vs No.Female Deaths at HD and LD" ) +
  geom_smooth(method="lm", se=F)
## `geom_smooth()` using formula = 'y ~ x'
## Warning: Removed 15 rows containing non-finite values (`stat_smooth()`).
## Warning: Removed 2 rows containing missing values (`geom_point()`).
```

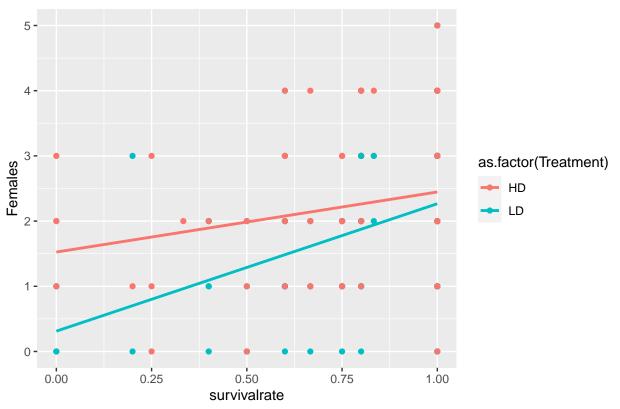
Survival Rate vs No.Female Deaths at HD and LD



```
rubalcaba %>% subset (! is.na(Treatment)) %>%
    ggplot(aes(x = survivalrate, y= Females, color = as.factor(Treatment))) + geom_point() +
    labs(title = "Survival Rate vs No. Females at HD and LD" )+
    geom_smooth(method = "lm", se =F )
```

`geom_smooth()` using formula = 'y ~ x'

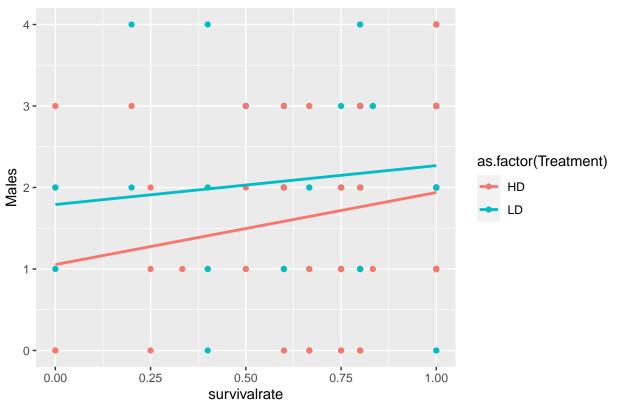
Survival Rate vs No. Females at HD and LD



```
rubalcaba %>% subset (! is.na(Treatment)) %>%
    ggplot(aes(x = survivalrate, y= Males, color = as.factor(Treatment))) + geom_point() +
    labs(title = "Survival Rate vs No. Males at HD and LD" )+
    geom_smooth(method = "lm", se =F )
```

`geom_smooth()` using formula = 'y ~ x'

Survival Rate vs No. Males at HD and LD

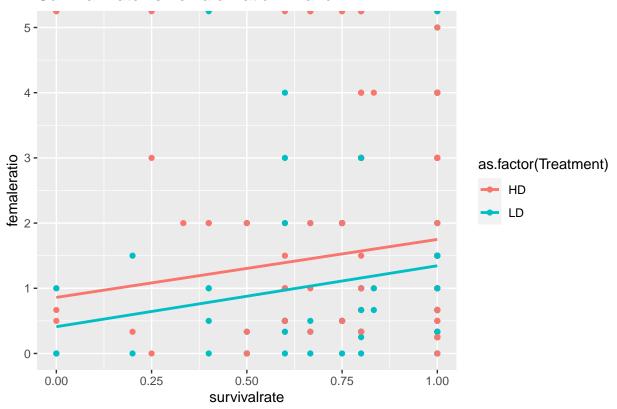


```
rubalcaba %>% subset (! is.na(Treatment)) %>%
    ggplot(aes(x = survivalrate , y= femaleratio, color = as.factor(Treatment))) + geom_point() +
    labs(title = "Survival Rate vs Female Ratio HD and LD" )+
    geom_smooth(method = "lm", se =F )
```

```
## `geom_smooth()` using formula = 'y ~ x'
```

^{##} Warning: Removed 15 rows containing non-finite values (`stat_smooth()`).

Survival Rate vs Female Ratio HD and LD

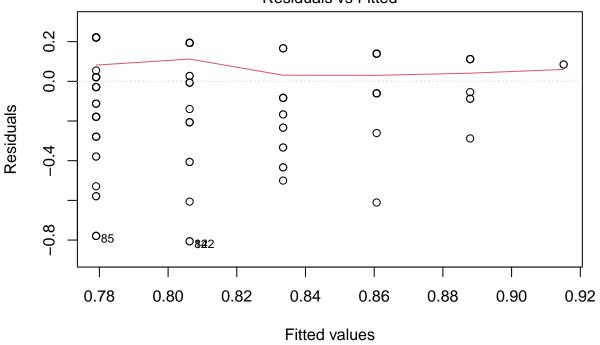


#Plot Survival Rates vs Female Ratio

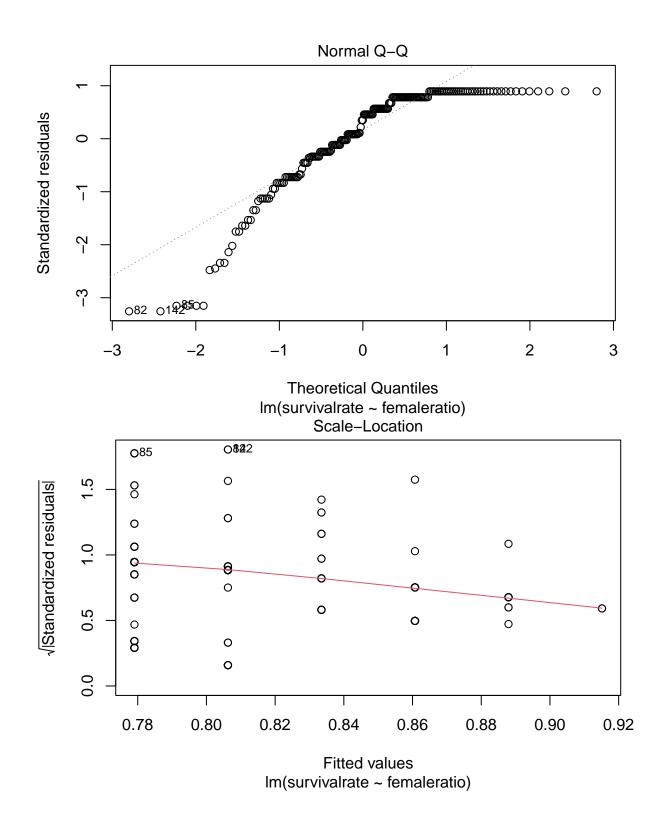
```
#Analyze relationship between female sex ratio and survival rates
rubalcaba_df <- as_tibble(as.matrix(rubalcaba)) %>%
 mutate(femaleratio = as.integer(femaleratio),
        survivalrate = as.numeric(survivalrate))
## Warning: There was 1 warning in `mutate()`.
## i In argument: `femaleratio = as.integer(femaleratio)`.
## Caused by warning:
## ! NAs introduced by coercion to integer range
comodel <- lm(survivalrate ~ femaleratio, data = rubalcaba_df)</pre>
summary(comodel)
##
## Call:
## lm(formula = survivalrate ~ femaleratio, data = rubalcaba_df)
##
## Residuals:
##
       Min
                 1Q
                      Median
                                          Max
                                   3Q
  ##
## Coefficients:
##
              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 0.77904
                         0.02335 33.364
                                           <2e-16 ***
## femaleratio 0.02722
                         0.01323
                                   2.057
                                            0.041 *
## ---
```

```
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.2483 on 193 degrees of freedom
## (15 observations deleted due to missingness)
## Multiple R-squared: 0.02145, Adjusted R-squared: 0.01638
## F-statistic: 4.231 on 1 and 193 DF, p-value: 0.04103
plot(comodel)
```

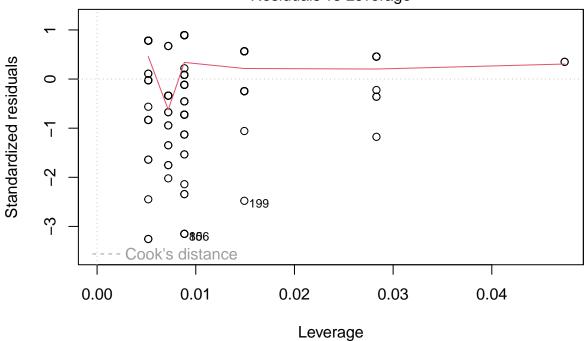
Residuals vs Fitted



Fitted values Im(survivalrate ~ femaleratio)



Residuals vs Leverage



#Normality: Data relatively normal distribution but a slight skewed to the right is visible #Residuals vs Fitted: shows equal variance, indicating consistency in variance in data. #Scale-location: Shows there is equal variance in the data set. Variance between values is relatively consistency.

#Analyze impacts of treatment on the relationship between female ratio and survival rate
treatmentmodel <- lm(survivalrate ~ femaleratio *as.factor(Treatment), data =rubalcaba_df)
Anova(treatmentmodel, type =3)</pre>

Im(survivalrate ~ femaleratio)

```
## Anova Table (Type III tests)
##
## Response: survivalrate
##
                                       Sum Sq
                                               Df
                                                   F value Pr(>F)
   (Intercept)
                                      29.1107
##
                                                1 467.4439 <2e-16 ***
  femaleratio
                                       0.1317
                                                    2.1153 0.1475
   as.factor(Treatment)
                                       0.0017
                                                    0.0280 0.8674
                                                1
                                       0.0000
                                                    0.0002 0.9875
   femaleratio:as.factor(Treatment)
                                                1
## Residuals
                                      11.8948 191
                     '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## Signif. codes:
```

#sum squared values are low showing low variability/ deviation from the mean. Sum sq is much higher for female ratio than when accounting for treatment, showing female ratio has more impact on the variance seen in the population. Variance decreases when treatment is accounted for. Treatment does not significant effect on variation.

#F Value is significantly higher for female ratio independently, indicating female ratios have a significant impact on survival rates over treatment. The variation between samples is higher than expected to be from on the average variation within groups. This is accounted for by female ratio.

#P Value when treatment is considered p value is >0.05 (0.8674 and 0.9875) and therefore fails to reject the null or provide signifiance to the F value. However the P value for female ratio is 0.1475 and therefore does not show signifiance for the F-value.

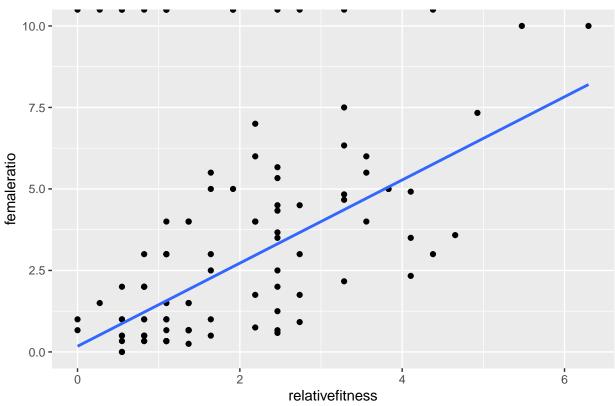
```
```r
#Fitness Calculations
#Survival Rate is taken as variable "suvivalrate" which was previously calculated
#Reproductive Rate is calculated by the average amount of eggs per mother
#Group together the total number of eggs produced by each mother as well as the average suvival rate of
mothersort <- rubalcaba
#Divide the survival rate by the number of eggs for an average
mothersort$avgsurvivalrate <- c(survivalrate/(rubalcaba$Eggs))</pre>
#Calculate Relative Fitness by multiplying reproduction by survival and dividing it by the max values s
avgE <- mean(mothersort$Eggs)</pre>
avgS <- mean(mothersort$survivalrate)</pre>
mothersort$fitness <- c((mothersort$survivalrate)*(mothersort$Eggs))</pre>
mothersort$relativefitness <- c(((mothersort$survivalrate)*(mothersort$Eggs))/(avgE*avgS))</pre>
head(mothersort)
 Mother Treatment Year Clutch
 Date Nest Eggs Hatchlings Fledglings
1 3296489
 LD 2015
 1 14/04/2015
 42
 3
 3
 3
2
 A703
 LD 2015
 1 08/04/2015
 5
 5
3
 C038
 LD 2015
 1 08/04/2015
 3
 3
 4
 11
4
 C141
 LD 2015
 1 28/05/2015
 20
 4
 4
5
 C524
 LD 2015
 1 05/04/2015
 25
 5
 4
 C663
 LD 2015
 1 07/04/2015
6
##
 Males Females deaths H2Fdeaths E2Hdeaths hatchsurvivalrate survivalrate
1
 0
 0
 1.00
2
 4
 0
 0
 0
 1.00
 1.00
 1
3
 2
 0
 0.75
 0.75
 1
 1
 1
 2
 2
 0
4
 0
 0
 1.00
 1.00
5
 3
 1
 1
 0
 1
 0.80
 0.80
6
 3
 0
 1.00
 1.00
 0
 femaleratio femaledeaths avgsurvivalrate fitness relativefitness
##
1
 2.0000000
 0.0000000
 0.3333333
 3
 0.8211448
2
 0.2500000
 0.0000000
 0.2000000
 5
 1.3685746
3
 2.0000000
 2.0000000
 0.1875000
 3
 0.8211448
4
 1.0000000
 0.0000000
 0.2500000
 4
 1.0948597
5
 0.3333333
 0.3333333
 0.1600000
 1.0948597
 0.0000000
 0.2000000
 0.6666667
 5
 1.3685746
#group by mothers, sum avgsurvival, number of eggs and fitness
mothersort%>%
 group_by(mothersort$Mother)%>%
 summarise(across(c(Eggs, avgsurvivalrate, relativefitness, femaleratio, survivalrate), sum))%>%
 ggplot(aes(x = relativefitness , y= femaleratio)) + geom_point() + labs(title = "Survival Rate Vs Rel
```

geom\_smooth(method = "lm", se =F )

```
`geom_smooth()` using formula = 'y ~ x'
```

## Warning: Removed 15 rows containing non-finite values (`stat\_smooth()`).

### Survival Rate Vs Relative Fitness

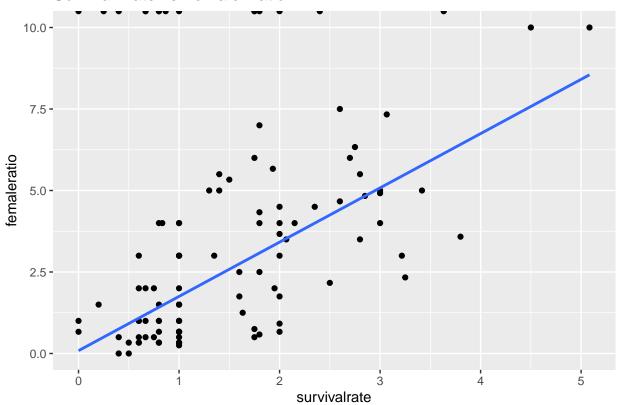


```
mothersort%>%
 group_by(mothersort$Mother)%>%
 summarise(across(c(Eggs, avgsurvivalrate, relativefitness, femaleratio,survivalrate),sum))%>%
 ggplot(aes(x = survivalrate , y= femaleratio)) + geom_point() + labs(title = "Survival Rate vs Female geom_smooth(method = "lm", se =F)
```

```
`geom_smooth()` using formula = 'y ~ x'
```

<sup>##</sup> Warning: Removed 15 rows containing non-finite values (`stat\_smooth()`).

## Survival Rate vs Female Ratio

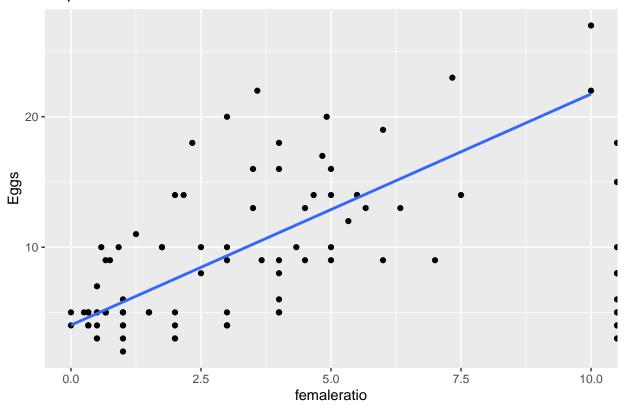


```
mothersort%>%
 group_by(mothersort$Mother)%>%
 summarise(across(c(Eggs, avgsurvivalrate, relativefitness, femaleratio,survivalrate),sum))%>%
 ggplot(aes(x = femaleratio , y= Eggs)) + geom_point() + labs(title = "Reproductive Rate vs Female Rat geom_smooth(method = "lm", se =F)
```

```
`geom_smooth()` using formula = 'y ~ x'
```

<sup>##</sup> Warning: Removed 15 rows containing non-finite values (`stat\_smooth()`).

### Reproductive Rate vs Female Ratio

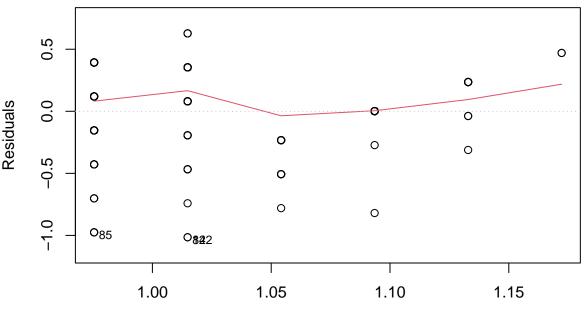


#### head(mothersort)

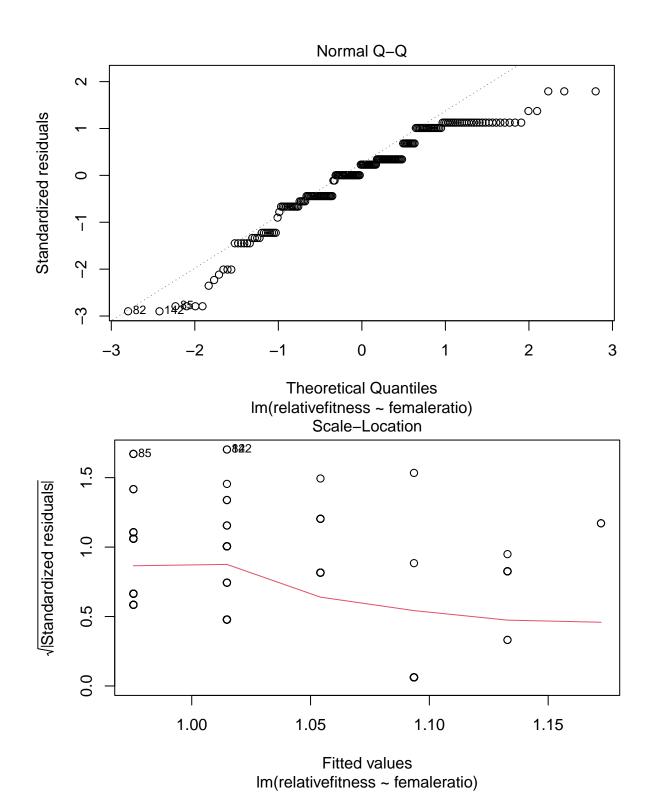
```
Date Nest Eggs Hatchlings Fledglings
##
 Mother Treatment Year Clutch
1 3296489
 LD 2015
 1 14/04/2015
2
 A703
 LD 2015
 1 08/04/2015
 5
 5
 5
3
 C038
 LD 2015
 1 08/04/2015
 11
 3
 3
4
 C141
 LD 2015
 1 28/05/2015
 20
 4
5
 C524
 LD 2015
 1 05/04/2015
 25
 5
6
 C663
 LD 2015
 1 07/04/2015
 24
 5
##
 Males Females deaths H2Fdeaths E2Hdeaths hatchsurvivalrate survivalrate
 1.00
1
 0
 1.00
 2
 0
 0
 1.00
 1.00
2
 4
 0
 0
3
 1
 2
 0
 1
 0.75
 0.75
4
 2
 2
 0
 0
 1.00
 1.00
5
 3
 0
 0.80
 0.80
6
 3
 2
 0
 0
 0
 1.00
 1.00
##
 femaleratio femaledeaths avgsurvivalrate fitness relativefitness
 2.0000000
 0.000000
1
 0.3333333
 3
 0.8211448
2
 0.2500000
 0.0000000
 0.2000000
 1.3685746
 2.0000000
 2.0000000
3
 0.1875000
 3
 0.8211448
4
 1.0000000
 0.0000000
 0.2500000
 1.0948597
5
 0.3333333
 0.3333333
 0.1600000
 1.0948597
6
 0.6666667
 0.0000000
 0.2000000
 1.3685746
mothersort_df <- as_tibble(as.matrix(mothersort)) %>%
 mutate(femaleratio = as.integer(femaleratio),
 relativefitness = as.numeric(relativefitness))
```

```
Warning: There was 1 warning in `mutate()`.
i In argument: `femaleratio = as.integer(femaleratio)`.
Caused by warning:
! NAs introduced by coercion to integer range
comodel2 <- lm(relativefitness ~ femaleratio, data = mothersort_df)</pre>
summary(comodel2)
##
Call:
lm(formula = relativefitness ~ femaleratio, data = mothersort_df)
Residuals:
##
 Median
 Max
 Min
 1Q
 3Q
-1.01481 -0.17399 0.08005 0.35376 0.62748
##
Coefficients:
##
 Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.97546
 0.03301 29.554
 <2e-16 ***
femaleratio 0.03936
 0.01871
 2.104
 0.0367 *
Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
Residual standard error: 0.351 on 193 degrees of freedom
 (15 observations deleted due to missingness)
Multiple R-squared: 0.02242,
 Adjusted R-squared:
F-statistic: 4.426 on 1 and 193 DF, p-value: 0.03669
plot(comodel2)
```

#### Residuals vs Fitted

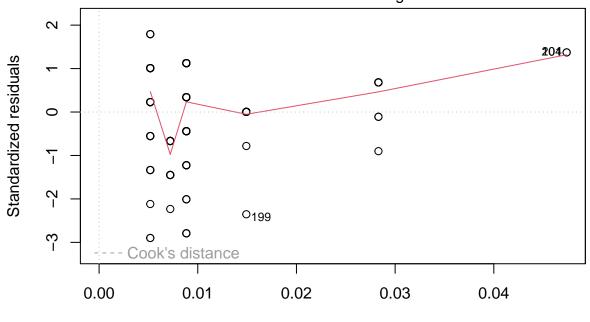


Fitted values lm(relativefitness ~ femaleratio)



#### Residuals vs Leverage

Leverage lm(relativefitness ~ femaleratio)



#model for treatment impact on fitness fitnessmodel2 <- lm(mothersort\$relativefitness ~ femaleratio \*as.factor(Treatment), data =mothersort\_df Anova(fitnessmodel2, type =3 ) ## Anova Table (Type III tests) ## ## Response: mothersort\$relativefitness ## Sum Sq Df F value Pr(>F) ## (Intercept) 43.802 1 352.2198 <2e-16 \*\*\* ## femaleratio 0.325 2.6102 0.1078 ## as.factor(Treatment) 0.016 0.1281 0.7208 ## femaleratio:as.factor(Treatment) 0.0066 0.9354 0.001 ## Residuals 23.753 191 ## ---## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.05 '.' 0.1 ' ' 1 #model for fixed effects #replace all infinite values with a value of 0 for female ratio #mothersort[sapply(mothersort, is.infinite)] <- 1</pre>  $\#mixed\_model \leftarrow lmer(relative fitness \sim femaleratio + Treatment + Females + Eggs + (1|Mother), data = mo$ #summary(mixed\_model) #For some reason will not let me knit this, so here is results of the model

Variance Std.Dev.

0.08983 0.2997

(Intercept) 0.00000 0.0000

#Random effects:

Name

#Groups

# Mother

# Residual

```
#Number of obs: 210, groups: Mother, 113
#Fixed effects:
Estimate Std. Error df t value Pr(>/t/)
#(Intercept) 0.02621 0.13370 210.00000 0.196 0.8448
#femaleratio -0.05226 0.02987 210.00000 -1.749 0.0817 .
#TreatmentLD 0.05353 0.04262 210.00000 1.256 0.2106
#Females 0.15352 0.03251 210.00000 4.723 4.25e-06 ***
 #Eggs
#Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1
#Correlation of Fixed Effects:
 #
 (Intr) femlrt TrtmLD Femals
#femaleratio -0.225
#TreatmentLD -0.040 -0.003
#Females 0.194 -0.797 0.133
#Eggs -0.924 0.301 -0.170 -0.442
#optimizer (nloptwrap) convergence code: 0 (OK)
#boundary (singular) fit: see help('isSingular')
```

"