## Asking questions about data

Lab 3 2/1/17

```
> movies
# A tibble: 58,788 \times 24
                        title year length budget rating votes
                                                                       r1
                                                                             r2
                                                                                    r3
                                                                                                  r5
                                                                                           r4
                                                                                                        r6
                        <chr> <int> <int> <int> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> 
                             $
                                1971
                                         121
                                                  NA
                                                        6.4
                                                               348
                                                                      4.5
                                                                            4.5
                                                                                   4.5
                                                                                          4.5
                                                                                               14.5
                                                                                                      24.5
1
           $1000 a Touchdown
                                1939
                                                        6.0
                                                                      0.0
                                                                                   4.5
                                          71
                                                  NA
                                                                20
                                                                           14.5
                                                                                         24.5
                                                                                               14.5
                                                                                                      14.5
2
     $21 a Day Once a Month
                                1941
                                           7
                                                        8.2
                                                                      0.0
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                                                                                   0.0
                                                                                          0.0
                                                                                                 0.0
                                                                                                      24.5
3
                                                  NA
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                      $40,000
                                1996
                                          70
                                                        8.2
                                                                     14.5
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                                                                                                 0.0
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                                                  NA
                                                                            0.0
                                                                                   0.0
   $50,000 Climax Show, The
                                1975
                                                                     24.5
                                          71
                                                         3.4
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6
                        $pent
                                2000
                                          91
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                                                  NA
                                                        4.3
                      $windle
                                2002
                                          93
                                                        5.3
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8
                          15'
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9
                                1987
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10
                      '49-'17
                                1917
                                          61
                                                  NA
                                                        6.0
                                                                51
                                                                      4.5
                                                                             0.0
                                                                                   4.5
                                                                                          4.5
                                                                                                      44.5
  ... with 58,778 more rows, and 12 more variables: r7 <dbl>, r8 <dbl>, r9 <dbl>, r10 <dbl>,
#
    mpaa <chr>, Action <int>, Animation <int>, Comedy <int>, Drama <int>, Documentary <int>,
```

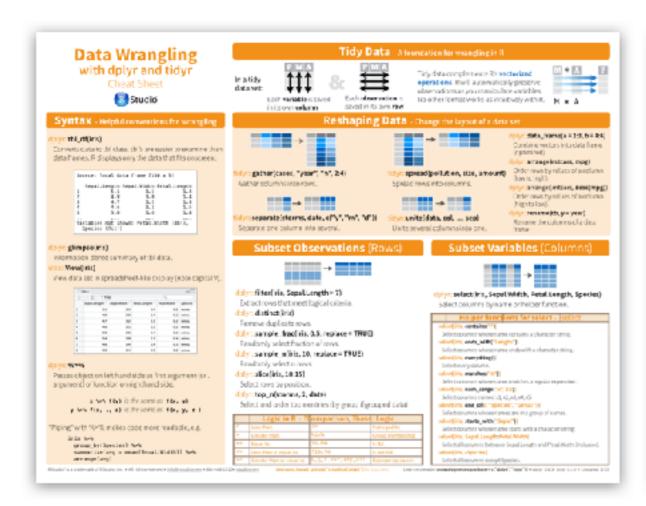
#

Romance <int>, Short <int>

## Troubleshooting 101

- Did you load the package? Installing ≠ loading
- 2. Did you run all R chunks above?
- 3. Is your syntax correct (i.e. parentheses, variable names, etc.)?
- 4. Did you look up function documentation?
- 5. Ask Dr. Wilke/me

## R Studio offers cheat sheets





https://www.rstudio.com/resources/cheatsheets/