classex

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```
library(tidyverse)

## -- Attaching packages ---------------------------------------- tidyverse 1.2.1 --

## v ggplot2 3.2.1     v purrr   0.3.2
## v tibble  2.1.3     v dplyr   0.8.3
## v tidyr   0.8.3     v stringr 1.4.0
## v readr   1.3.1     v forcats 0.4.0

## -- Conflicts ------------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
#reads in data set
getwd()

## [1] "/Users/zhangwurongyan/Desktop/data science/20190917-class"

litters_data = read_csv(file = "./data_import_examples/FAS_litters.csv")

## Parsed with column specification:
## cols(
##   Group = col_character(),
##   `Litter Number` = col_character(),
##   `GD0 weight` = col_double(),
##   `GD18 weight` = col_double(),
##   `GD of Birth` = col_double(),
##   `Pups born alive` = col_double(),
##   `Pups dead @ birth` = col_double(),
##   `Pups survive` = col_double()
## )

litters_data = janitor::clean_names(litters_data)
names(litters_data)

## [1] "group"          "litter_number"  "gd0_weight"       "gd18_weight"
## [5] "gd_of_birth"      "pups_born_alive" "pups_dead_birth" "pups_survive"

pups = read_csv(file = "./data_import_examples/FAS_pups.csv")

## Parsed with column specification:
## cols(
##   `Litter Number` = col_character(),
##   Sex = col_double(),
##   `PD ears` = col_double(),
##   `PD eyes` = col_double(),
##   `PD pivot` = col_double(),
##   `PD walk` = col_double()
## )
```