

Module 2, Assignment 2

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```
2. ## -- Attaching packages ----- tidyverse 1.3.1 --

## v ggplot2 3.3.5      v purrr 0.3.4
## v tibble 3.1.6       v dplyr 1.0.7
## v tidyr 1.1.4        v stringr 1.4.0
## v readr 2.1.1        v forcats 0.5.1

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()

## Rows: 320 Columns: 6
## -- Column specification -----
## Delimiter: ","
## chr (1): tank_category
## dbl (5): tank_id, fish_id, perc_soy_protein, day_30_weight, avg_tank_temp
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.

## # A tibble: 6 x 6
##   tank_id fish_id perc_soy_protein day_30_weight avg_tank_temp tank_category
##   <dbl>   <dbl>         <dbl>         <dbl>         <dbl> <chr>
## 1     1     1           0.2           334.          77.2 warm
## 2     1     2           0.2           198.          77.2 warm
## 3     1     3           0.2           315.          77.2 warm
## 4     1     4           0.2           316.          77.2 warm
## 5     1     5           0.2            89.4          77.2 warm
## 6     1     6           0.2            74.7          77.2 warm

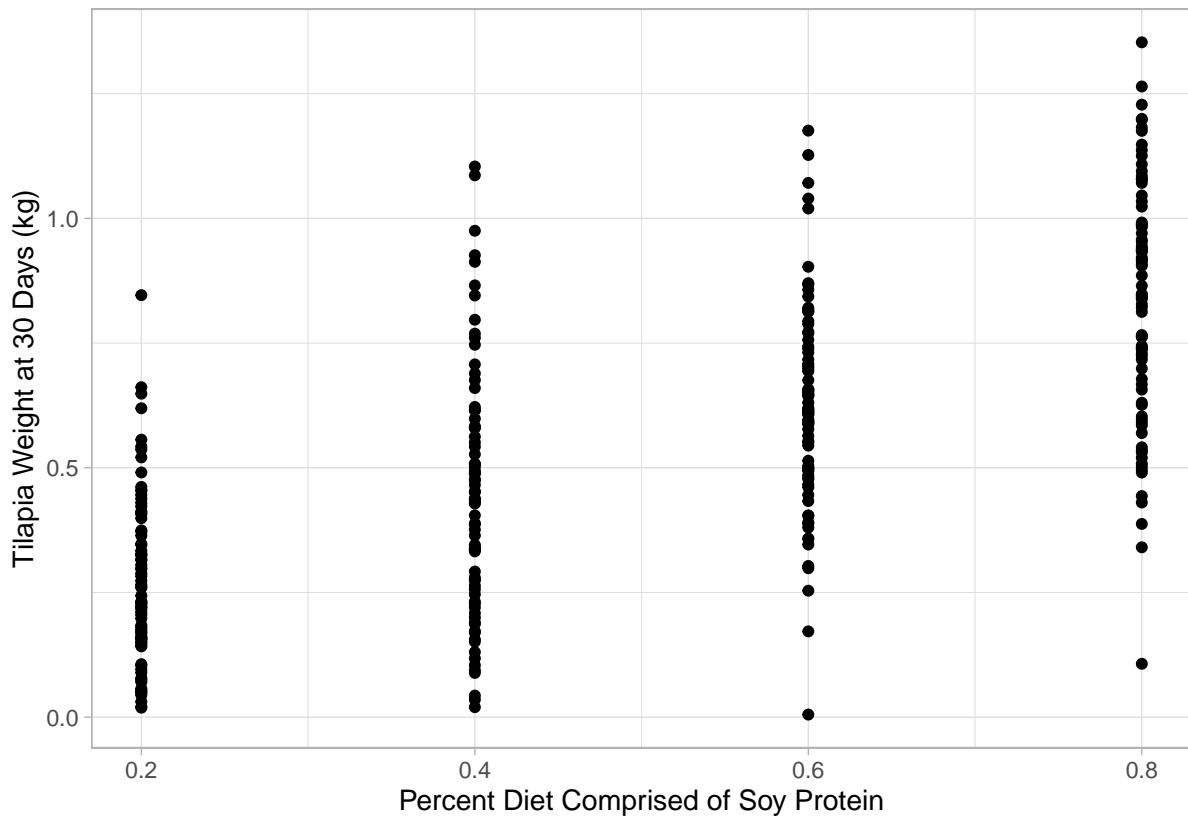
## # A tibble: 6 x 6
##   tank_id fish_id perc_soy_protein day_30_weight avg_tank_temp tank_category
##   <dbl>   <dbl>         <dbl>         <dbl>         <dbl> <chr>
## 1    16    315           0.8          1228.          76.1 warm
## 2    16    316           0.8           630.          76.1 warm
## 3    16    317           0.8           508.          76.1 warm
## 4    16    318           0.8           443.          76.1 warm
## 5    16    319           0.8           495.          76.1 warm
## 6    16    320           0.8          1078.          76.1 warm

3. ## # A tibble: 320 x 7
##   tank_id fish_id perc_soy_protein day_30_weight avg_tank_temp tank_category
```

```
##      <dbl>    <dbl>          <dbl>          <dbl>          <dbl> <chr>
## 1         1         1           0.2          334.         77.2 warm
## 2         1         2           0.2          198.         77.2 warm
## 3         1         3           0.2          315.         77.2 warm
## 4         1         4           0.2          316.         77.2 warm
## 5         1         5           0.2           89.4        77.2 warm
## 6         1         6           0.2           74.7        77.2 warm
## 7         1         7           0.2          142.         77.2 warm
## 8         1         8           0.2           20.8        77.2 warm
## 9         1         9           0.2           57.3        77.2 warm
## 10        1        10           0.2          159.         77.2 warm
## # ... with 310 more rows, and 1 more variable: day_30_weight_kg <dbl>
```

4. ## # A tibble: 4 x 2

```
##   perc_soy_protein mean_weight_kg
##   <dbl>          <dbl>
## 1         0.2          0.276
## 2         0.4          0.441
## 3         0.6          0.618
## 4         0.8          0.829
```



5.

6. ## 'summarise()' has grouped output by 'perc_soy_protein'. You can override using ## the '.groups' argument.

```
## # A tibble: 8 x 3
## # Groups:   perc_soy_protein [4]
##   perc_soy_protein tank_category mean_weight_kg
##   <dbl> <chr>          <dbl>
## 1         0.2 cold          0.279
```

## 2	0.2 warm	0.272
## 3	0.4 cold	0.420
## 4	0.4 warm	0.448
## 5	0.6 cold	0.617
## 6	0.6 warm	0.620
## 7	0.8 cold	0.824
## 8	0.8 warm	0.833

