2025_2_28_Rmarkdown_HomeworkAssignment
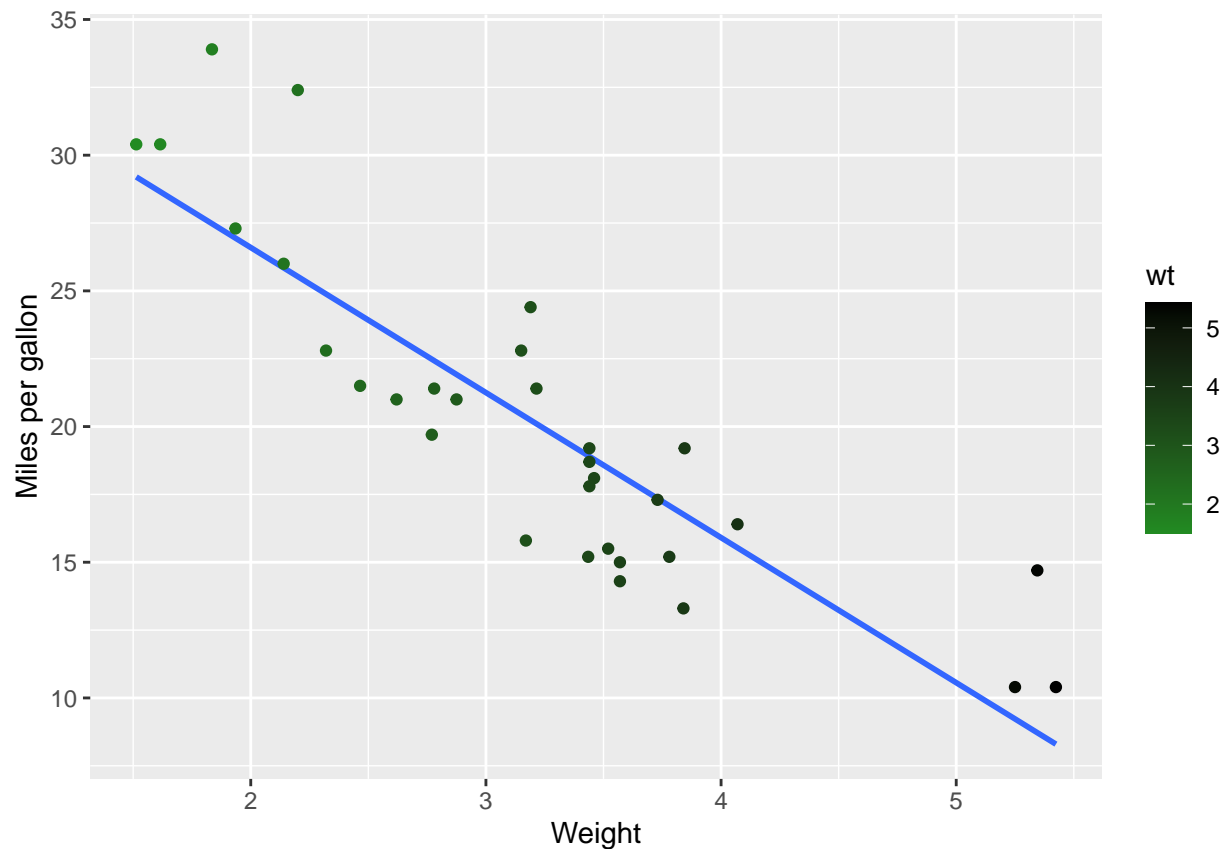
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2025-02-22

```r
knitr::opts_chunk$set(echo = TRUE)
library(knitr)
library(ggplot2)
library(markdown)

data("mtcars")
ggplot(mtcars, aes(x = wt, y = mpg)) +
  geom_smooth(method = lm, se = FALSE) +
  geom_point(aes(color = wt)) +
  xlab("Weight") +
  ylab("Miles per gallon") +
  scale_colour_gradient(low = "forestgreen", high = "black")
```

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

R Markdown Formatting Options:

Headers and Sub headers Example Code

Spaces after Pound Symbol matter to create the headers

First-level header

Second-level header

Third-level header

Style and Emphasis

Using Asterix Symbol to Alter Format

'**bold**' '*italic*'

Golden Shiner (*Notemigonus crysoleucas*)

Using Underscores to Alter Format

'**bold**' '*italic*'

Common Grackle (*Quiscalus quiscula*)

Creating Lists in Different Ways

Unordered list items start with *, -, or +, and you can nest one list within another list by indenting the sub-list.

- Other Blackbirds
  1. Red-winged Blackbird
     - *Agelaius phoeniceus*
  2. Brown-headed Cowbird
     - *Molothrus ater*
  3. Yellow-headed Blackbird
     - *Xanthocephalus xanthocephalus*

Links

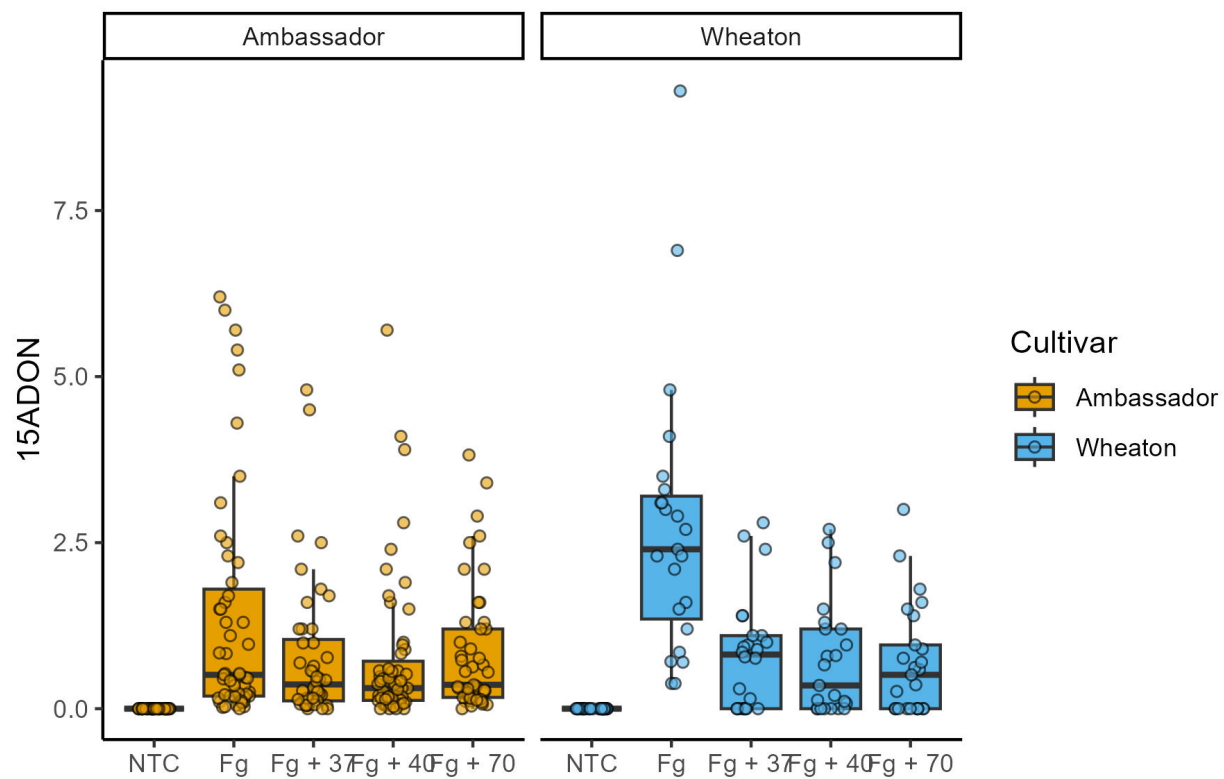Github Repository: ENTM 6820 Class

Figure 1: DV3_Question 3B ggplot

Images

Exclamation Point changes from link to producing image.

Common Name	Alpha Code
American Crow	AMCO
Red-winged Blackbird	RWBL
Common Grackle	COGR

```r
kable(head(mtcars, n = 5), digits = 3, format = "markdown")
```

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2

Quotes

Blockquotes are written after >, e.g.,

```
> "I thoroughly disapprove of duels. If a man should challenge me,
  I would take him kindly and forgivingly by the hand and lead him
  to a quiet place and kill him."
>
> --- Mark Twain
```