Confidence About The Project

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2017-11-30

```
library(tidyverse)
```

- n = 44 of the 50 students in the class, of whom 40 attended in person, 4 did not.

Data as Collected

```
after24 <- read.csv("data/afterclass24.csv") %>% tbl_df

head(after24,3)
```

```
# A tibble: 3 x 3
  student survey yourdata
    <int>  <int>    <int>
1       1      7        8
2       2      7        7
3       3      8        8
```

Reshape Data using `tidyr::gather`

```
new24 <- after24 %>% gather(study, confidence, -student)

head(new24,3)
```

```
# A tibble: 3 x 3
  student  study confidence
    <int>  <chr>      <int>
1       1 survey           7
2       2 survey           7
3       3 survey           8
```

```
tail(new24,3)
```

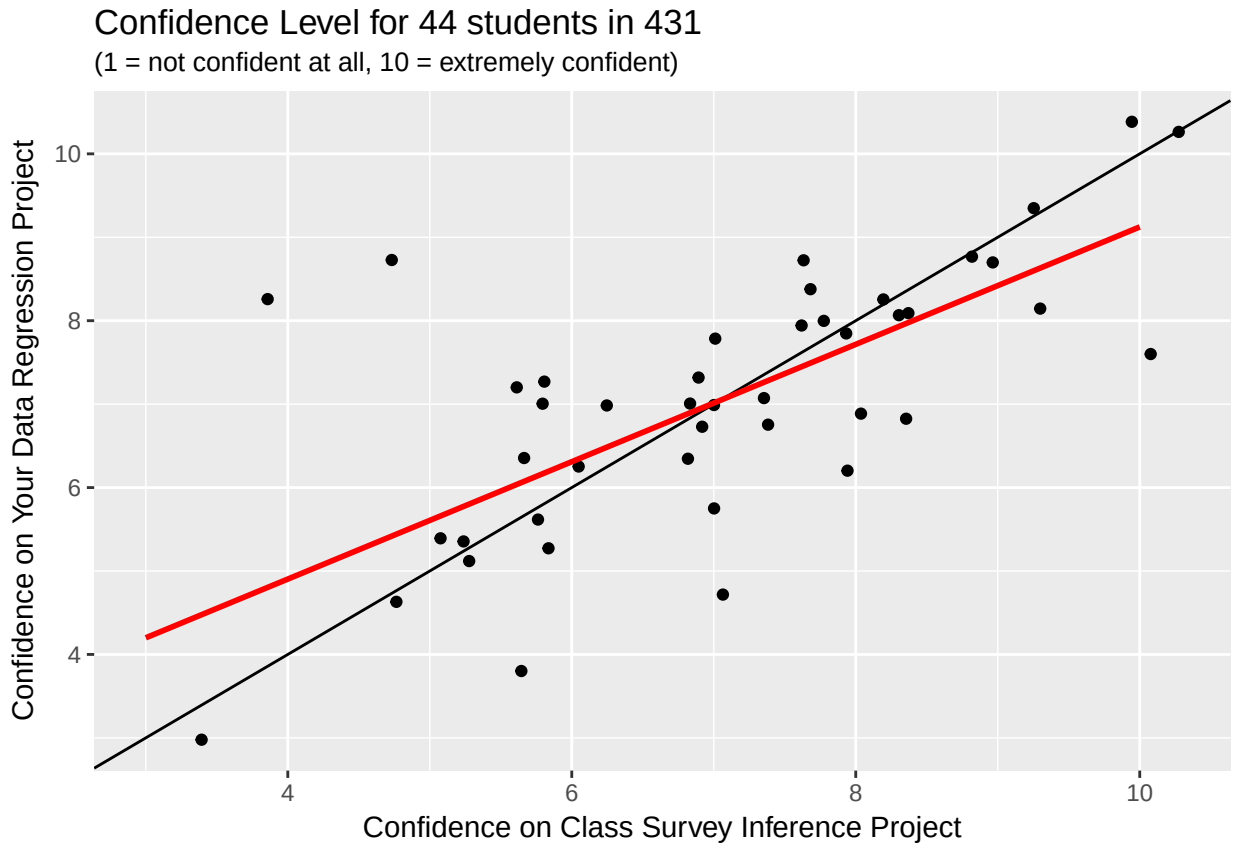
```
# A tibble: 3 x 3
  student    study confidence
    <int>    <chr>      <int>
1      42 yourdata          7
2      43 yourdata          4
3      44 yourdata          8
```

Plot the Data in a Scatterplot

```
"How confident are you that your presentation and work
will reflect high-quality graduate-level achievement?"
```

Asked separately about the Course Survey inference project (study 1) and the Your Data regression project (study 2)

```
ggplot(after24, aes(x = survey, y = yourdata)) +
  geom_jitter() +
  geom_abline(intercept = 0, slope = 1, col = "black") +
  geom_smooth(method = "lm", col = "red", se = FALSE) +
  labs(title = "Confidence Level for 44 students in 431",
    subtitle = "(1 = not confident at all, 10 = extremely confident)",
    x = "Confidence on Class Survey Inference Project",
    y = "Confidence on Your Data Regression Project")
```



Plot separate boxplots

```
"How confident are you that your presentation and work
will reflect high-quality graduate-level achievement?"
```

```
ggplot(new24, aes(x = study, y = confidence, col = study)) +
  geom_boxplot() +
  geom_jitter(width = 0.2) +
  guides(color = FALSE) +
  labs(title = "Confidence Level for 44 students in 431",
    subtitle = "(1 = not confident at all, 10 = extremely confident)")
```