Sri Lankan Water Project

Deformities_Replication_1

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```
library(tidyverse)
## -- Attaching packages ------ tidyverse 1.3.0 --
## v ggplot2 3.3.3 v purrr 0.3.4
## v tibble 3.0.5 v dplyr 1.0.3
## v tidyr 1.1.2 v stringr 1.4.0
## v readr 1.4.0 v forcats 0.5.0
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
library(broom)
Deformities_ForR_Replication_1 <- subset(Deformities_ForR_Replication_1, `Total Number` != 0)
Deformities_ForR_Replication_1 %>%
  mutate(Deformities_ForR_Replication_1,
         deformed = `Total Number` - `Number Normal`,
         percentage_deformed = deformed / `Total Number`) %>%
  ggplot(aes(x = Glyphosate, y = percentage_deformed)) +
  geom_point() +
  geom_smooth(method=lm, se=TRUE) +
  labs (x = "Glyphosate concentration", y = "Percentage Deformed")
Deformities_ForR_Replication_1_New <- Deformities_ForR_Replication_1 %>%
  mutate(Deformities_ForR_Replication_1,
        deformed = `Total Number` - `Number Normal`,
         percentage_deformed = deformed / `Total Number`)
model_replicate_1_deformities <- lm(percentage_deformed ~ Glyphosate, data = Deformities_ForR_Replicati
tidy(model_replicate_1_deformities)
```

Replicate 1Deformities = 0.956 + 0.00360 Glyphosate