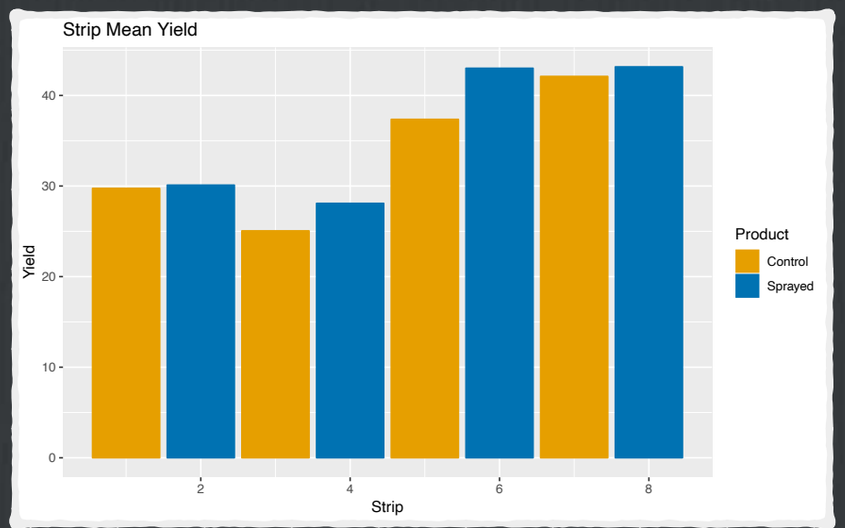
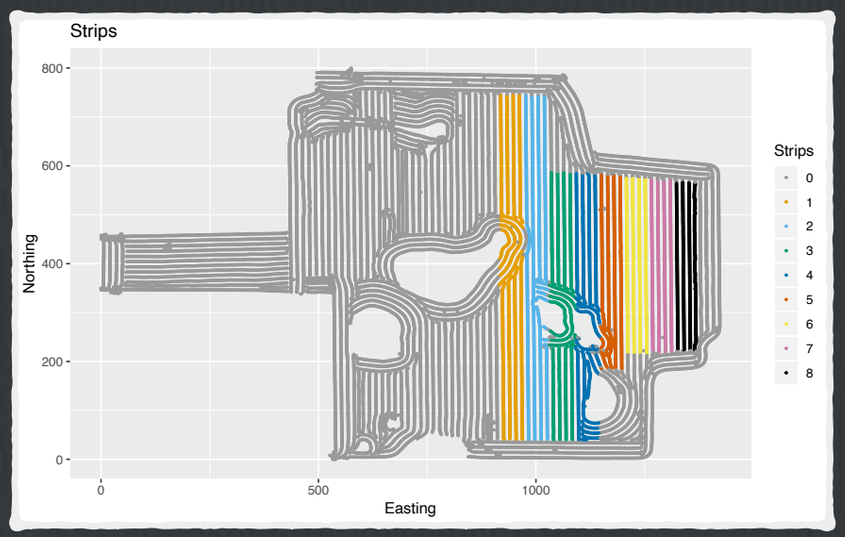
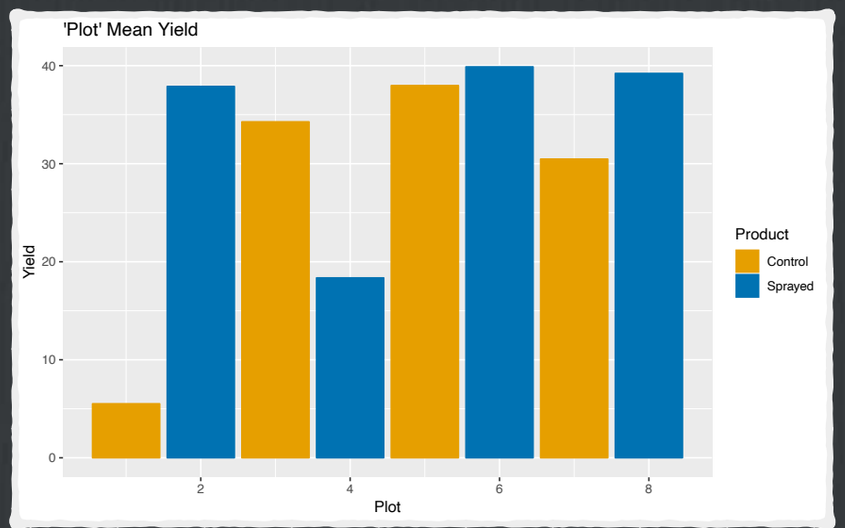
Clean the data?





- ☐ Perhaps our problem is that we not comparing similar ‘experimental units’?
- ☐ Only 2 strips run the entire length of the field.
- ☐ Only 3 of the strips were planted and harvested in continuous passes for the entire length of the strip - the others avoid wet areas
- ☐ Should we analyze just a portion of the field with uniformly-sized treated and untreated areas?

Equal sized ‘plots’



- `> wilcox.test(Yield ~ Product, paired=TRUE,…)`

  Wilcoxon signed rank test

  data: Yield by Product

  V = 3, **p-value = 0.625**

- `> t.test(Yield ~ Product, paired=TRUE, …)`

  Paired t-test

  data: Yield by Product

  t = -0.67812, df = 3, **p-value = 0.5463**

  mean in group Control mean in group Sprayed

  27.05887 **33.83388**

- `> friedman.test(Yield ~ Block | Product, …)`

  Friedman rank sum test

  data: Yield and Block and Product

  Friedman chi-squared = 4.2, df = 3, **p-value = 0.2407**

- `> anova(Yield ~ Block + Product, …)`

  Analysis of Variance Table

  Response: Yield

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Block	3	369.77	123.258	0.6174	0.6492
Product	1	91.80	91.802	0.4599	**0.5463**
Residuals	3	598.90	199.633		