We fail to reject the null hypothesis

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

  Wilcoxon signed rank test

  data: Yield by Product

  V = 0, p-value = 0.125

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

  Paired t-test

  data: Yield by Product

  t = -2.1319, df = 3, **p-value = 0.1228**

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

  Friedman rank sum test

  data: Yield and Block and Product

  Friedman chi-squared = 6, df = 3, **p-value = 0.1116**

- > anova(Yield ~ Block + Product, …)

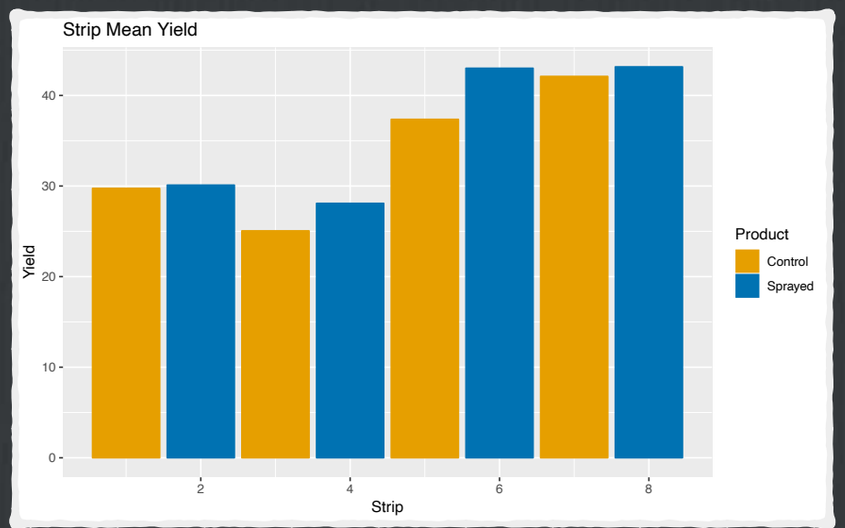
  Analysis of Variance Table

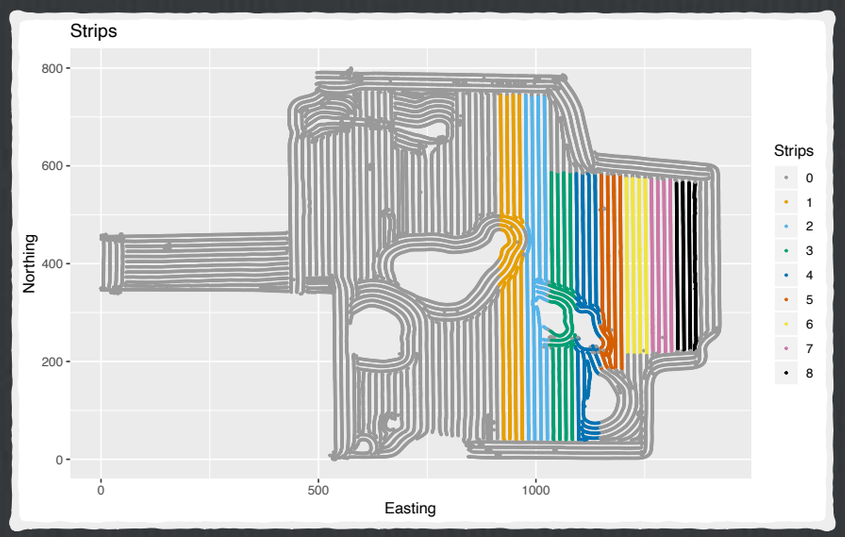
  Response: Yield

	Df	Sum Sq	Mean Sq	**F value**	Pr(>F)	
Block	3	363.52	121.173	43.230	0.005732	**
Product	1	12.74	12.739	4.545	**0.122791**	
Residuals	3	8.41	2.803			

- **Do I tell him he wasted his time?**

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?