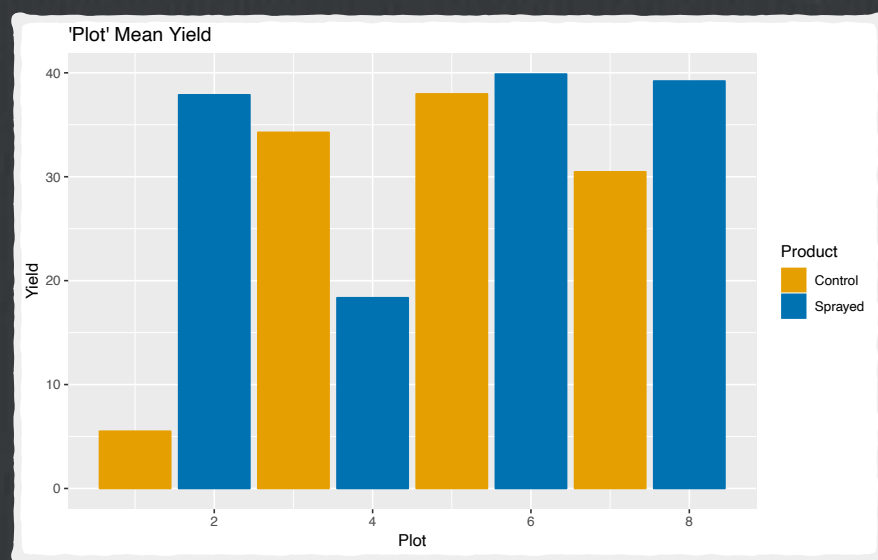


Equal sized 'plots'



□ Even though :

□ Difference in average yield was more extreme (33.8 vs 27.0 bu/acre)

□ `> wilcox.test(Yield ~ Product, paired=TRUE,...)`
Wilcoxon signed rank test
 data: Yield by Product
 $V = 3$, **p-value = 0.625**

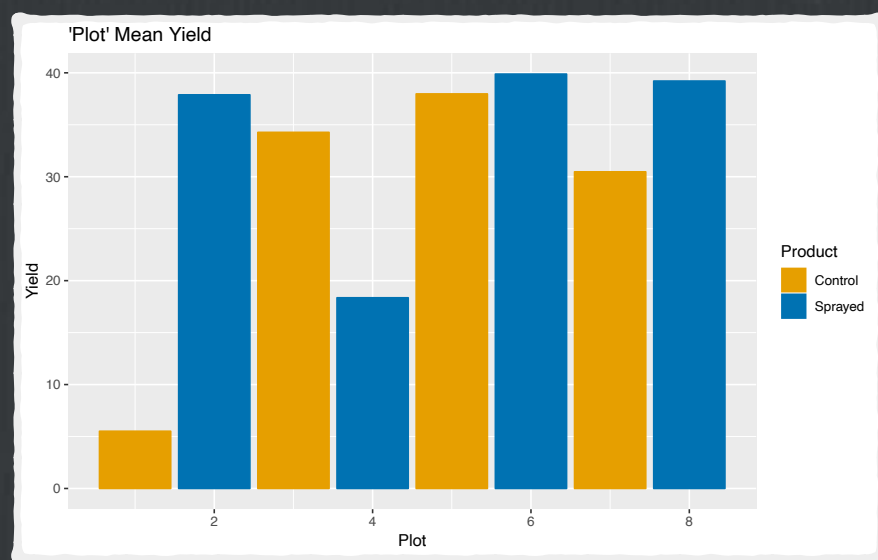
□ `> t.test(Yield ~ Product, paired=TRUE, ...)`
Paired t-test
 data: Yield by Product
 $t = -0.67812$, $df = 3$, **p-value = 0.5463**
 mean in group Control mean in group Sprayed
27.05887 **33.83388**

□ `> 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		

Equal sized 'plots'



□ The results of AOV suggest our assumptions of the statistical model are not supported

□ Specifically,

$$e_{ij} \sim \mathcal{N}(0, \sigma^2)$$

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