

Sensor-guided Side-dressing Decision Making

Taro Mieno*and John Doe†

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Abstract

Abstract: this research is so awesome that you cannot reject this paper.

Introduction

The issue this article addresses is **super** *important*!

[1] examined bluh bluh.

bluh bluh [2]

bluh bluh [1,2]

bluh bluh [2]

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Materials and Methods

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See?

Data

The number of observations are 598 and 1376 for Zones 2 and 3, respectively.

Table @ref(tab:table-1) presents summary statistics by zone.

Statistical Model

Here is the statistical model to estimate:

Equations written in the **align** environment.

*University of Nebraska Lincoln, tmieno2@unl.edu

†Random University, johndoe@email.com

$$Y_z = f_z(S) + g_z(N) + h_z(X, Y) + \varepsilon_z \quad (1)$$

$$= \sum_{i=1}^k \phi_k(S) + g_z(N) + h_z(X, Y) + \varepsilon_z \quad (2)$$

Results and Discussions

Table @ref(tab:table-1) presents the regression results.

Figure @ref(fig:fig-1) presents the distribution of yields by zone.

Conclusions

bluh blu¹

Figures

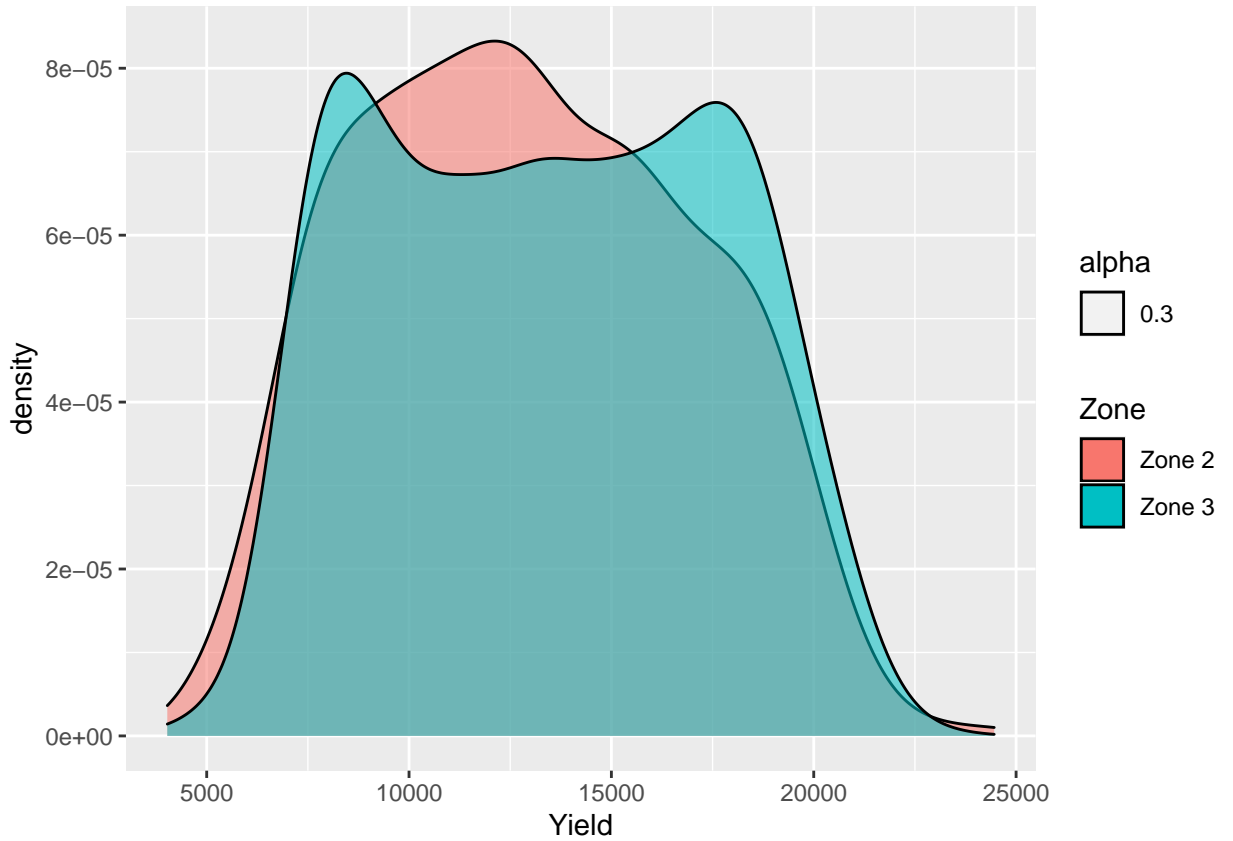


Figure 1: The Distribution of Yield by Zone

¹This is a footnote

Tables

Summary Statistics by Zone

Zone		get_N	Mean	SD	Min	Max
Zone 2	Yield (kg/ha)	598	12932.11	3994.57	4344.71	24459.46
	Nitrogen Rate (kg/ha)	598	117.82	14.73	88.94	145.57
	Seed Rate (1000/ha)	598	84.01	6.86	69.17	98.61
Zone 3	Yield (kg/ha)	1376	13430.38	4132.89	4026.51	23319.59
	Nitrogen Rate (kg/ha)	1376	118.20	14.61	88.84	143.75
	Seed Rate (1000/ha)	1376	87.20	7.03	69.58	98.82

References

1. Adrian, A.M.; Norwood, S.H.; Mask, P.L. Producers' perceptions and attitudes toward precision agriculture technologies. *Computers and electronics in agriculture* **2005**, *48*, 256–271.
2. Shrader, W.; Fuller, W.; Cady, F. Estimation of a common nitrogen response function for corn (zea mays) in different crop rotations 1. *Agronomy Journal* **1966**, *58*, 397–401.