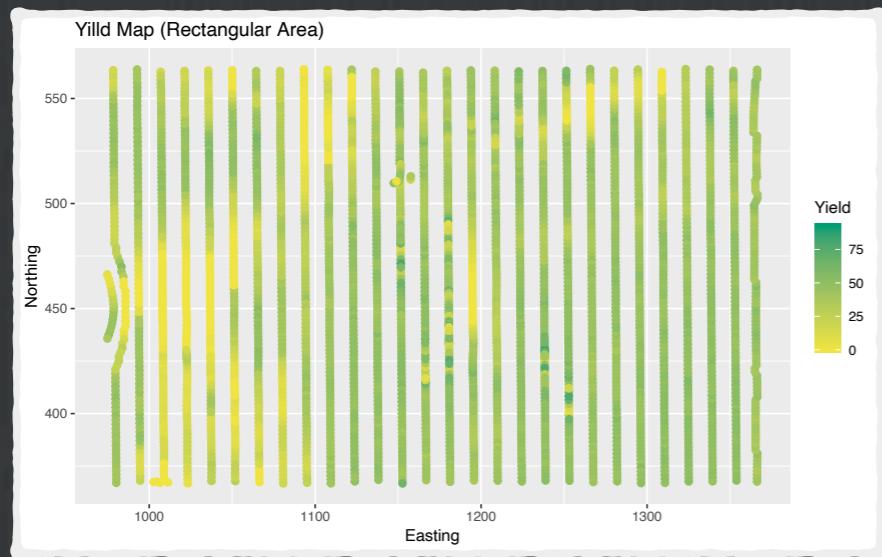


Model in Two Dimensions



- We extend the model by including position in two-dimensions

$$H_1 : y_{ij} = \beta_0 + \beta_1 E_{ij} + \beta_2 N_{ij} + \tau_i + e_{ij}$$

$$H_2 : y_{ij} = \beta_0 + \beta_1 E_{ij} + \beta_2 N_{ij} + \beta_3 E_{ij}^2 + \beta_4 N_{ij}^2 + \beta_5 E_{ij} \times N_{ij} + \tau_i + e_{ij}$$

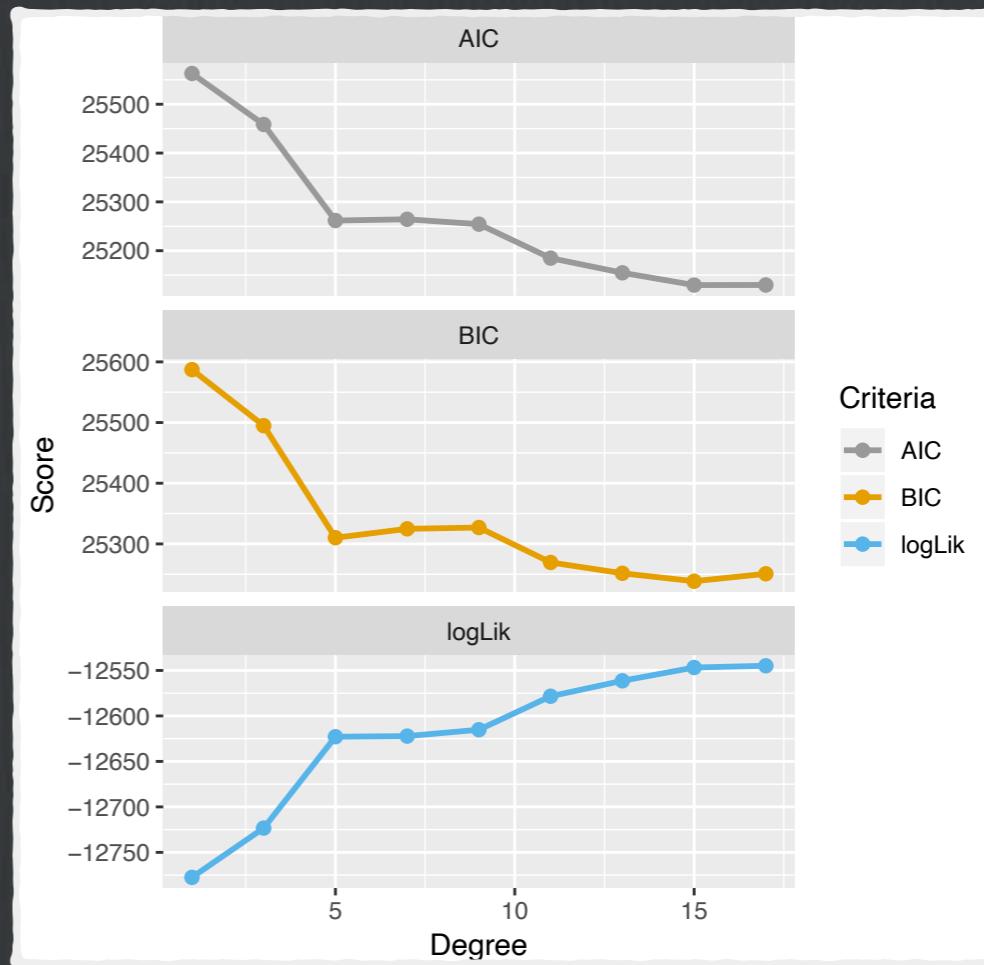
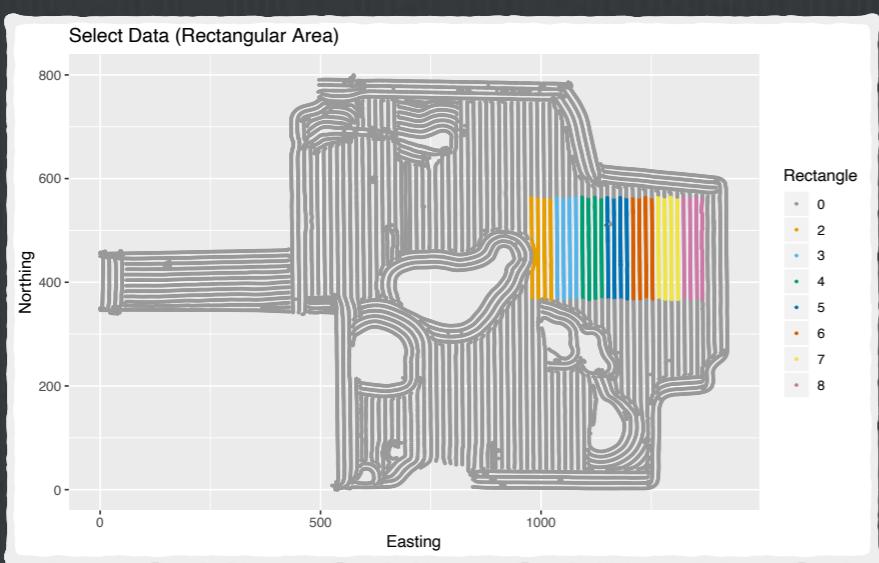
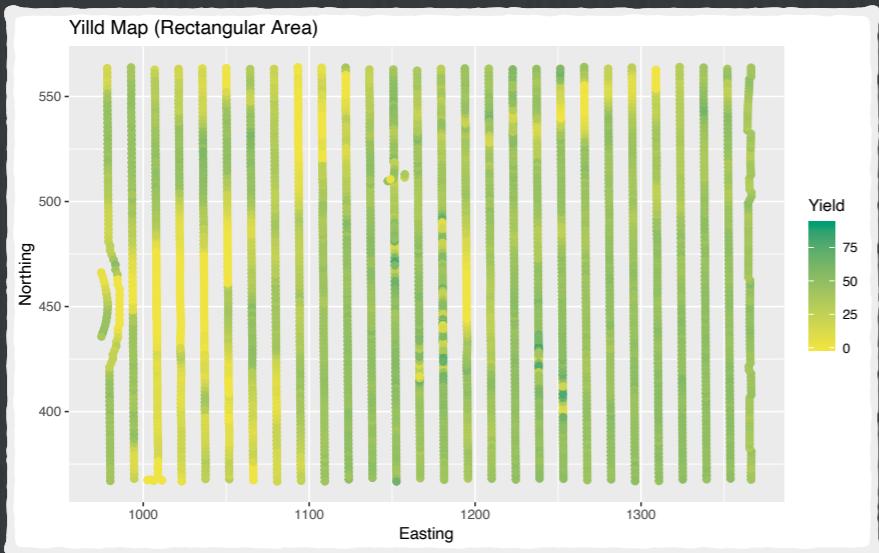
...



- We can expand our area to be analyzed to include more of the treated strips.

- Since I'm no longer analyzing as pairs, I can exclude part of the untreated area that avoids a wetland.

Model Selection



In 2 dimensions, 5th degree polynomials are sufficient.