

Exercise 11 – Zero Inflated Data Due April 3, 2024



The number of flowers were counted in rose plants in greenhouses in locations North and South from Medellin, Colombia. Locations within the greenhouses varied in moisture. Were there significant differences in number of roses per plant between greenhouses? The gardener notice plants without flowers were very abundant.

1. State *your* hypothesis
2. Plot the data (publication quality)
3. Justify the selection of the model that you use to evaluate these data
4. Verify the assumptions of the model you selected using plots
5. Compare your results to, at least, another student in class
6. Plot your *predicted* model with 95% CI (publication quality)
7. Interpret your results

NOTE 1: Please submit your results as a single document – pdf preferred – via email to Michelle (Michelle.Bardales@ucf.edu). Remember to include your code in an R file.