Ian Eggleston

1. Chart, line chart

   Description automatically generated
2. Chart, line chart

   Description automatically generated
3. Fit\_gcki\_ba\_tot: 1369.379  
   fit\_gcki\_slope: 1432.615  
   Fit\_gcki\_additive: 1355.951  
   fit\_gcki\_both\_interactive: 1353.007
4. I would choose the interactive model because it has the lowest AIC.
5. Based on the model coefficient table for the interactive model, we can see slope is not significant to GCKI presence and has a slightly negative relationship. Total basal area is significant based on the p-value and has a positive relationship with GCKI presence. The interaction between total basal area and slope is also significant, but has a slightly negative relationship.

Graphical user interface, application

Description automatically generated

1. Chart

   Description automatically generated