To do list

1. Work on discussion and error analysis
   1. Regional, by category

Map Predicted categorical value

1. look at the clusters you don’t predict correctly and see how far they are off in terms of the continuous variable. If they’re just below the cut-off, that would be OK (you could do a measure of accuracy that allows for a buffer around each category cut-off The idea is that it matters whether you’re missing clusters that were almost food insecure anyway, or you’re missing clusters that are very, very food secure
   1. Using the percentage of households fall in the insecure category

|  |  |  |
| --- | --- | --- |
| Count | % of medim + low | % of low |
| High | 0.398386 | 0.130412 |
| Medium | 0.587903 | 0.220786 |
| Low | 0.677992 | 0.371162 |

* 1. Results Without using the asset variables

1. Improved Visualization

Keep the color of measure consistent



True

Gaussian Mixture model type

1. Proposal defense presentation

Highlight research questions and contribution

6-7 slides on chapter 1 (focus on visuals than tables)

20 slides on chapter 2

6-7 slides on chapter 3

Further steps:

1. Results of only using roof types
2. test the effect of a ‘treatment’
   1. a drought (assuming there is one during our time frame) and calculate the food insecurity effect of that.
   2. would be to look at the expansion of the road network in Tanzania over this time.
   3. look to see if there were changes in trade openness during this time that affected any of the 3 countries
   4. estimate the price elasticity of food security in each of the 3 countries (?)
3. Different weather variable calculation for Uganda
4. Choosing weather variables using ML