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PLSCS 2200

## Lab 12: Most Suitable Places for a New Vinery in Yate County, NY

For this map, I was modeling suitable locations for a winery in Yates County in NY. The variables included in the map are summarized in this table.

| | Weight of 0 | Weight of 1 | Weight of 2 |
|---|---|---|---|
| Slope Degree Value | > 15 | 10 – 15 | 0-10 |
| Distance Away from Roads | > 1000 | 0 – 500 | 500 – 1000 |
| Aspect Degree Value | 0 – 156 (N to SE) 293 – 360 (NW to N) | NA | 157 – 292 (SE to NW) |
| Crop/Land Use | All other land | NA | Grape |
| Distance from Existing Winery | 0 – 2000 | NA | > 2000 |

The sources of my data are:

Polygon of Yates County: CUGIR

DEM: The National Map

Crop Data Layer: CropScape

Road/Streets: NYS GIS Clearinghouse

Wineries: NYS Liquor Authority

Soils: SSURGO

My final layer does not have an attribute layer to it, but the most suitable categories are of values 7, 8, or 9.