Kenyan Livestock Farming

Kenya livestock mapping scenario:

A livestock medical supplier is using [Kenya's open data portal](#) to analyze Kenya's cattle, goat, and sheep population. It requires the ability to spatially assess livestock populations across the country to identify livestock concentrations. Their initial goal is to detect bands (connecting counties to concentrate on establishing a sales presence.

The supplier lacks a visual web mapping capability; this project will provide the needed capability.

What do I want to get out of this project?
- An intuitive interface geared to a 'regular' user level to visually represent livestock data.
- The web map will allow for user interaction with the visual and underlying data.

What do I want the users to get out of it?
- View by county the number of cattle, goats, and sheep by category in aggregate.
- Identify 'bands' (connecting counties) of high livestock concentrations to enable near-term business development goals.
- Identify secondary areas for future development.

Content requirements:
- Data displayed on basemap to include livestock by category (marker) and by county (polygon).
- A basemap that displays an adequate level of city and topographic features to provide additional reference; such as mapbox.outdoors, mapbox.run-bike-hike, or mapbox.streets.
- Appropriate legend depicting each class.
- An info panel to display relevant facts per district such as district name, populations by livestock category and aggregate, and county name.
- Pop ups displaying the district, county, and livestock population for the selected point.
- Legend informing users of the map's current content.
- An affordance on either the point or district polygons to highlight the location of data in the info panel.
- Link to the data (spreadsheet?).

Functional specifications:
- Data layers tiled and drawn on the map.
- Restrict panning to maintain the Kenya focus.
- Enable mouse and control functions, but restrict minimum zoom to Kenya and max zoom to district level.
- Popup enabled for each polygons or markers providing specific population related information.