Map673

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Lab 4

Task: 1

I was contacted by a group of epidemiological researchers examining a rare donkey disease. The researchers suspect that the disease may have been transmitted from camels and have requested a map of camel and donkey density throughout Kenya.

The map should show camel and donkey density by district.

The researcher would like to use the map to guide their field research so they can focus their attention on the areas with the greatest likelihood of camel donkey contact.

Task: 2

**Content requirements**

-This map will display quantitative data using proportional symbols.

-Data for camels and donkeys will be encoded as circles.

-The number of each animal per district will be accessible to the user.

-A national Kenyan base map will be used to display the data.

-There will be a legend to illustrate the type of animal and the magnitude per district.

**Functional specifications**

-The map will load an external CSV file with the raw data.

-There will be a data layer for each animal type.

-The data layers will be added to the map.

-The total number of each animal per district will be displayed in an info panel upon a hover over and will be highlighted with an affordance.

- The proportional circle marker will represent a ration of donkeys to camels (if its possible, because we are really interested in donkeys and camels living in proximity).

-The larger the circle marker the higher the ration of donkeys to camels.

-A UI toggle that can switch the proportional circle markers between the total number of camels and donkeys and the ration of donkeys to camels.