

The following specs represent some minor changes to the population grid UI and the addition of the following interactions:

- Editing the population requires the user to enter an edit state by clicking the “Edit Population” action link (see page 4). Prior to entering edit mode, all combobox and text-entry controls in the population grid should be hidden and disabled. This can be accomplished largely through CSS with the additional use of the “disabled” property in the `<input>` elements.

It is also worth noting at this point that, due to the unique composition of this particular interface, layout conflicts would occur if the user were to open any of the right sidebar menus (population, functions, file, settings). To accommodate the sidebar panel which occupies the right 4 page-grid-columns, the container for the population table will need to collapse by 2 columns when the right panel is opened, resulting in a horizontally scrolling viewport.

new

open

save

Sample Scenario with Outputs

check updates | advanced panel

Scenario Description

Population

Disease

Disease Progression

Assign Progression

Add Disease Spread

Assign Disease Spread

Controls

Vaccination Triggers

Control Protocol

Assign Protocols

Zones

Zone Effects

Assign Effects

Functions

Output Settings

32

-39

-38

-37

-36

-35

-34

-33

-32

-31

Longitude

Type	Latitude	Longitude	Initial State	Initial Size	Notes
Cattle	32.99984	-35.12144	Latent	107	Here are some notes
Swine	33.41808	-35.2526	Susceptible	89	
Cattle	36.78172	-36.36554	Susceptible	141	
Cattle	32.93898	-35.34563	Susceptible	341	
Cattle	36.31128	-35.21025	Susceptible	114	
Cattle	33.27371	-35.20067	Susceptible	155	
Cattle	36.59603	-36.28207	Susceptible	161	
Cattle	34.54935	-32.81917	Susceptible	827	
Cattle	35.55098	-31.74311	Susceptible	355	
Cattle	32.79245	-34.2104	Susceptible	46	
Cattle	35.76083	-37.81564	Susceptible	518	
Cattle	34.47019	-36.0473	Susceptible	356	
Cattle	36.11096	-35.13854	Susceptible	100	
Cattle	34.92398	-33.8703	Susceptible	904	
Swine	36.0872	-34.33728	Susceptible	142	
Cattle	34.83321	-32.90607	Susceptible	191	
Cattle	37.38944	-35.13237	Susceptible	156	
Cattle	36.50795	-36.37611	Susceptible	228	
Cattle	33.89553	-34.55941	Susceptible	327	
Cattle	33.95002	-35.69487	Susceptible	55	
Cattle	34.00686	-35.59949	Susceptible	169	

Production Type

Swine

remove

A

B Edit Population

Add Filter

View Results

Modifications/Additions to the Population Grid UI - Add Filter Interaction and Display

- A

In the current implementation of the add-filter interaction, the user clicks on a combobox and selects the filter she would like from the enclosed list. From a display perspective, the combobox container will be removed (CSS) and the clickable trigger for the selector should be the action link “Add Filter” rather than the present “-----”
- B

Newly created filters will be generated in the same manner as presently implemented. However, the type of filter (production type, longitude, etc.) should be presented as a label rather than a combobox. This can be accomplished with CSS, but hiding the control (and presumably disabling it) is not ideal.
- C

Each filter row is appended with a “remove” action link. Clicking remove the filter and collapses the row so the content below shifts upward.

*Note: I did not include a “clear all” link as it is presently possible to add only 5 different types of filters. Removing these individually is not an onerous task, but if it is anticipated that more filters may be possible in future implementations, a “clear all” link may become useful.*

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B

Production Type

Swine

remove

B

Longitude

Min

Max

remove

A

Add Filter

Edit Population

2

Modifications/Additions to the Population Grid UI - Edit Mode

Clicking the Edit Population action link triggers the population table edit mode. A blocking mask is placed between the population table and adjoining filters, and the rest of the interface content. All of the input controls in the table are enabled (not shown).

- A Cancel button - clicking closes the edit mode and discards any changes made to the population file.
- B Save Changes button - clicking closes the edit mode, triggers the saving blocking mask, and saves any changes to the population file.
- C Add Filter action link - the user is able to add and remove filters to the population data while in edit mode.

new

open

save

Sample Scenario with Outputs

check updates

advanced panel

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Disease Progression

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Add Filter

Cancel

Save Changes

View Results