

MetacatUI - Feature #6514

Retrieve facets of the geohashes for all search results and map those facets

04/15/2014 12:40 PM - Lauren Walker

Status:	Resolved	Start date:	06/03/2014
Priority:	Normal	Due date:	
Assignee:	Lauren Walker	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.6.0	Spent time:	0.00 hour
Bugzilla-Id:			
Description			
Subtasks:			
Task # 6559: Draw markers on the map when the geohash facet count is small			Resolved
Task # 6560: Scale clusters based on geohash level			Resolved
Task # 6561: Allow different map options for different themes			Resolved
Task # 6564: Map the geohash counts as tiles rather than clusters			Resolved
Task # 6568: Add info windows to markers and tiles			Resolved
Task # 6569: Map markers for most results when the number found is less than a certain ...			Resolved
Task # 6570: Display the marker and its infowindow when a dataset is hovered on in the ...			Resolved

History

#1 - 06/03/2014 01:42 PM - Lauren Walker

- Status changed from New to In Progress
- Assignee set to Lauren Walker

A first draft of the new map has been checked in.

The /#data DataCatalogView now retrieves the facets for all levels of geohashes, determines the geohash level to use based on map zoom level, and draws a circle on the map to represent the datasets in that geohash box.

The map clusters are Google Map Circle objects, which are given a radius based on the facet value - higher facet values are represented with higher radiuses. The number is drawn on the map using a custom Google Maps OverlayView object, which creates a div with the innerHTML as the facet value. This div is centered on it's corresponding circle position.

At the lowest map zoom level (whole world view), geohash level 2 is used. This seems to be the sweet spot for showing many clusters at once but not too many to keep it fast.

Currently, no individual markers are on the map. That is the next step.

#2 - 09/22/2014 09:59 AM - Lauren Walker

- Status changed from In Progress to Resolved