Hey Stu,

Stu here from the Foursquare team with a monthly update on a handful of product improvements to our portfolio.

**Places**

**Improved Open/Closed Status for Western EU**

We refreshed Closed Bucket labels for 5 countries in Western Europe (FR, IT, DE, GB, IE) by recalibrating and retraining the Open/Closed Machine Learning models with larger quantity and better quality data.

With this update, when we say a POI is VeryLikelyOpen or VeryLikelyClosed, we are 95% confident that it is Open or Closed respectively. This is a nearly 5% improvement compared to before. Also, we are 80% confident that a POI identified as LikelyOpen or VeryLikelyOpen is Open; and similarly, 80% confident that a POI identified as LikelyClosed or VeryLikelyClosed is Closed.

In terms of distribution of POIs, there is a 40% reduction (on average across the 5 countries) in the number of POIs in the Unsure bucket. And, ~15% increase in the number of POIs in the Open buckets.

So far YTD, the model has been applied to the following markets:

US, IT, FR, DE, GB, and IE, with additional markets to be updated in 2H 2023.

**Data quality enhancements for Lat Long attributes**

Last month, we improved lat-longs for 6 countries in EU (FR, IT, IE, PT) and Asia (SG, KR) by a process called Geocode summarization, where a lat-long is picked for a POI from multiple data sources with a predictive algorithm. As we have mentioned before, to test the improvement in accuracy of predicted lat-longs, we sample data with manually inspected lat-longs from trusted sources. Note: This is the third update to improve lat-longs. In the previous updates in H1 2023, we rolled out refreshed lat-longs for 7 countries (US, CA, CH, ES, GB, JP, NL).

**Places API v3: added ~90 categories to taxonomy**

On June 1, the team added ~90 new categories to the taxonomy. As part of the update, we changed the labels to +150 categories in order to provide more granular information in the hierarchy to enhance search and analysis opportunities. As a whole, this initiative reinforces our goal to provide the most granular and accurate information to our customers, providing the most flexibility available to build the best products.

**Places API v2: added ~270 categories to taxonomy**

On June 15, the team added ~270 new categories to the taxonomy. As part of the update, we changed the labels to +430 categories in order to provide more granular information in the hierarchy to enhance search and analysis opportunities. As a whole, this initiative reinforces our goal to provide the most granular and accurate information to our customers, providing the most flexibility available to build the best products.

**Studio**

**Charts: Config Editor**

The configuration editor has now been extended to charts. Programmatically control your charts in our full-featured code editor, or copy the configuration and paste it in other maps.

**Vector Tiles: Dynamic Color**

Enable Dynamic Color in the Vector Layer to estimate a color range and scale based on data visible in the viewport. Vector tiles also support a quantile color scale.

**Query Parameters: Quick Edit**

Users may now edit query parameters directly from the sidebar. Create new dropdown entries without jumping between menus.

**Raster Tiles: Toggle 3D Terrain**

Users now have the option to toggle 3D terrain within the Raster Tile layer. Flatten raster data to better stack and blend other geospatial layers.

**Data API Explorer**

Studio’s Data APIs let you upload and manage geospatial assets on the Studio Cloud. The new Data API Explorer lets users test our APIs from the web browser. Get real responses by providing your access token.

Thanks,
Stu from Foursquare