# Data

To explore the different towns in the Hudson Valley, we first need the list of towns. Discover Upstate New York (<https://www.discoverupstateny.com/packages/?region=hudson-valley&category=cities-towns>) has listed out the top 8 towns in the area. Beautiful Soup will be used to parse through the website to filter out the names of the towns.

After retrieving the list of towns, we will use GeoCoder to find the coordinates of the towns. FourSquare will then be employed to “explore” different venues on the town.

For example, in the town of Beacon, we can expect the results to return trails, parks and restaurants.

The goal is to use K-Means Cluster to group the towns based on their FourSquare location data, whether there exists a group of “hiking towns” or “suburban towns”.