Week 2

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Project

- "Generating Reference Dataset using User-uploaded images," an extension of "Where am I?"
- Instead of using a dataset from Google Maps Street View, it builds a dataset from images acquired from image sharing sites(Flickr Panoramio).
- Primary problem is finding a way to download images efficiently.

Initial Activity

- Read "IM2GPS: estimating geographic information from a single image" by Hays
- Read about Flickr and Panoramio API
- Ran the IM2GPS crawler to observe the expected coverage of Pittsburgh and Downtown Pittsburgh tags in Flickr.

Example Results

- Largest set downloaded is 7,000 images (filtered down from 30,000).
- Many images not meaningful for geolocation.

What next?

- Write a script to create a data structure to hold the useful information of the images to make them easily operable.
  - Filename, Latitude, Longitude
- Find a way to crawl Panoramio (Legally), as it has the best images for our purposes.