Wide-Area Image Geolocalization with Aerial Reference Imagery

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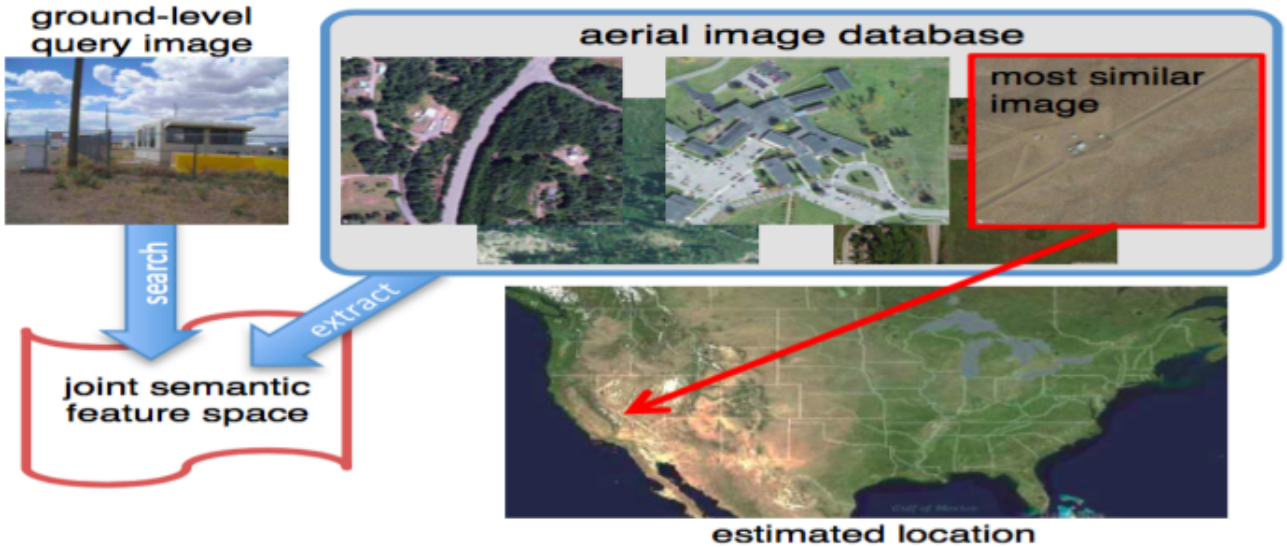

- Proposes to use deep convolutional neural networks to address the problem of cross-view image geolocalization
- Geolocation of a ground-level query image is estimated by matching to georeferenced aerial images

- Contributions:
  - Evaluation of off-the-shelf CNN network architectures & target label spaces for the problem of cross- view localization
  - Cross-view training for learning a joint semantic feature space from different image sources

- Evaluates on new dataset that contains pairs of aerial and ground-level images from across the United States.