



Object detection: where are we?



Credit: Flickr user neilalderney123

- Incredible progress in the last ten years
- Better features, better models, better learning methods, better datasets
- Combination of science and hacks



























Are we done?



Difficulty of representing positive instances

- Discriminative methods have proven very powerful
- But linear SVM on HoG templates not sufficient?
- Alternatives:
 - Parts-based models [Felzenszwalb et al. CVPR 2008]
 - Latent SVMs [Felzenszwalb et al. CVPR 2008]
 - Today's paper [Exemplar-SVMs, Malisiewicz, et al. ICCV 2011]











