

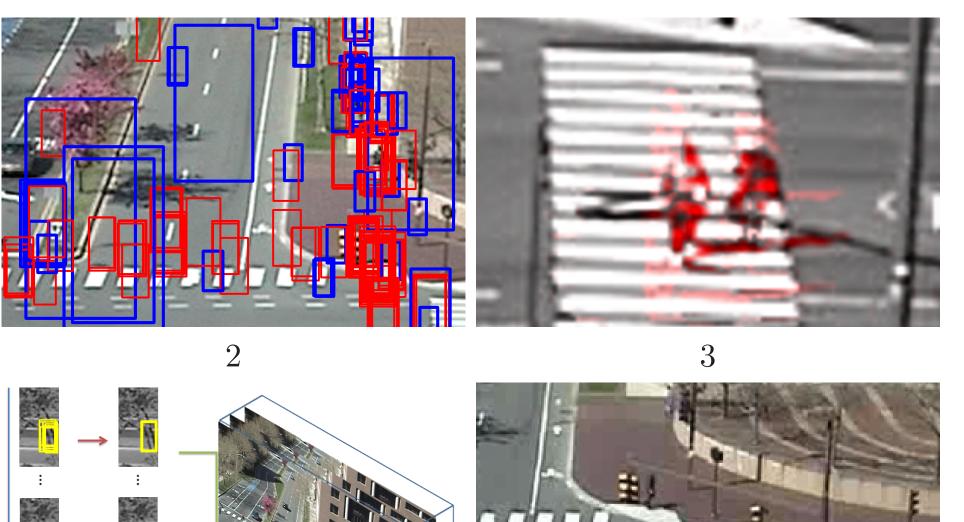
row).

- will be significantly reduced.
- unsupervisedly (so that the detector "self-adapts" to the dataset)?

- information.
- Unsupervised. No labeled example from the target dataset is required.

CONTEXT INFORMATION

- pedestrian paths.
- 2. *Sizes* of pedestrians in a target scene follow a certain distribution.
- 3. Pedestrians usually have *motions*.
- 4. Background patches tend to repeat at the same *location* over time.
- 5. Pedestrians cannot exist on vehicle trajectories.



References

[1] X. Wang, X. Ma, W. Grimson. Unsupervised activity perception in crowded and complicated scenes using hierarchical Bayesian models. *IEEE Trans. on PAMI*, $31:5\overline{3}9-555, 2009.$

AUTOMATIC ADAPTATION OF A GENERIC PEDESTRIAN DETECTOR TO A SPECIFIC TRAFFIC SCENE

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