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False detections Detector Viola-Jones Rowley-Baluja-Kanade Schneiderman-Kanade Roth-Yano-Ahuia	10 78.3% 83.2%	31 85.2% 86.0%	50 88.8% - -	65 89.8% - 94.4%	78 90.1% - - (94.8%)	95 90.8% 89.2%	110 91.1% - -	167 91.8% 90.1%	422 93.7% 89.9%	
Viola-Jones					AdaE	3008	st			
Rowley-Baluja-Kanade					Neural networks					
Schneiderman-Kanade					Statistics, Bayesian					
Roth-Yang-	78 95 110 167 422   8% 90.1% 90.8% 91.1% 91.8% 93.7%   1% - 89.2% - 90.1% 89.9%   1% - - - - -   1% - - - - -   1% - - - - -   1% - - - - -   AdaBoost Neural networks Statistics, Bayesian PAC learner, linear features									













## Conclusion

- AdaBoost allows to rapidly classify images
- Faster than any existing detector
- Comparable in accuracy to other methods
- Many improvement algorithms exist