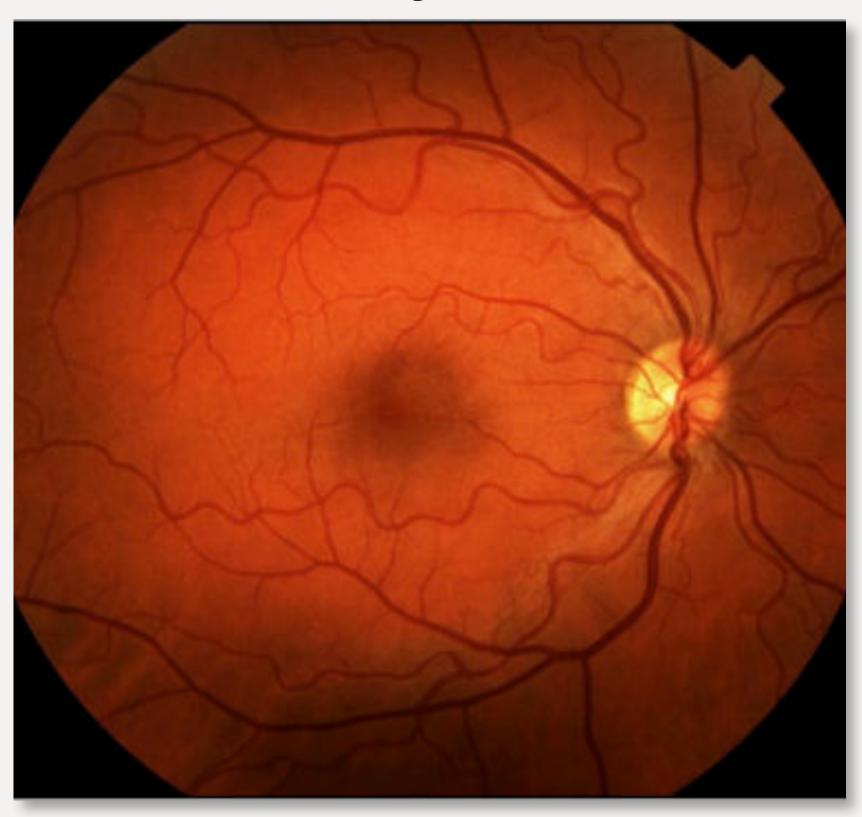


Deep Learning for Image Analysis: Diabetic Retinopathy Classification

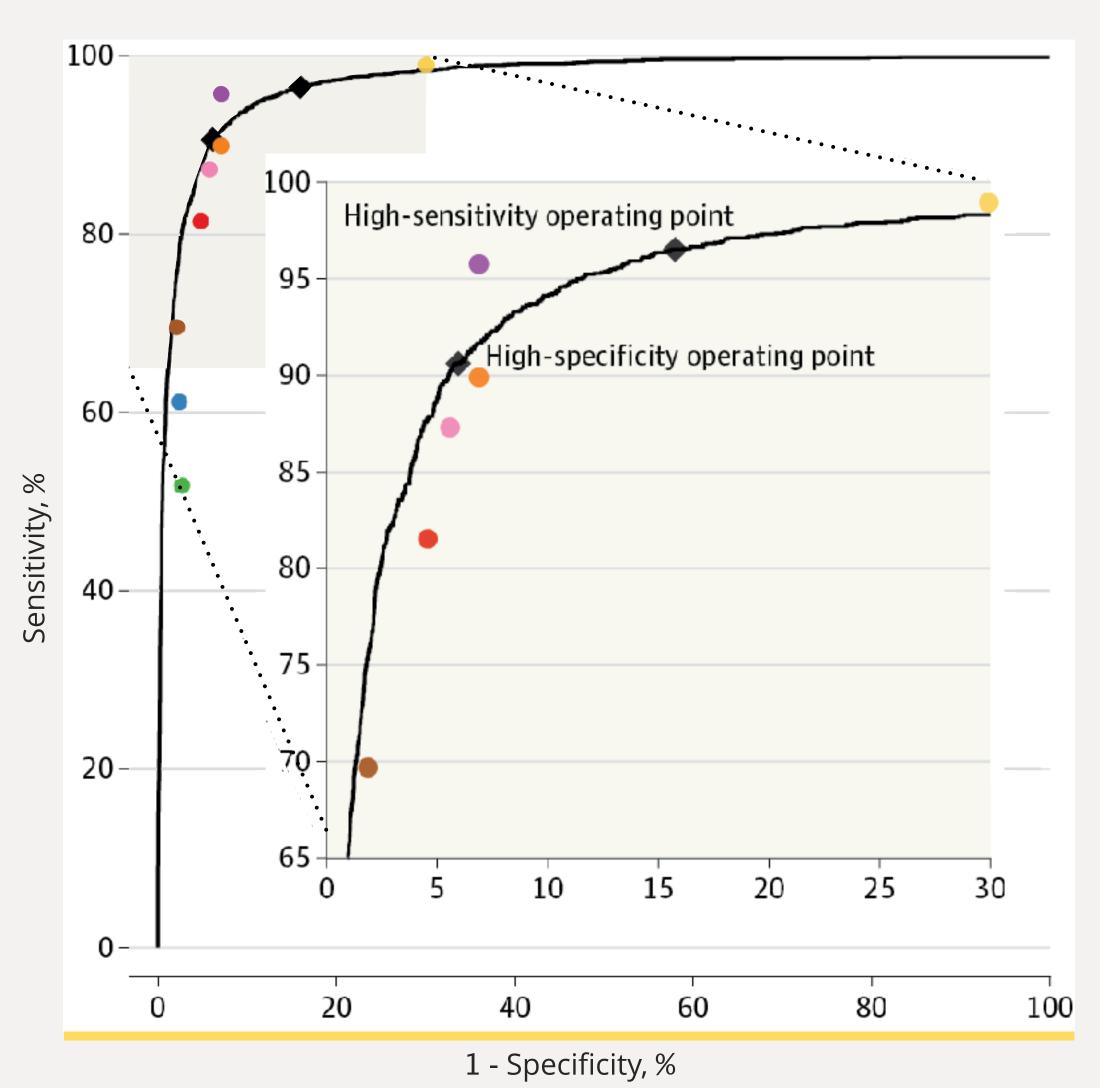
healthy retina



unhealthy retina



Deep Learning for Image Analysis: Diabetic Retinopathy Classification



sensitivity =

number of true positives

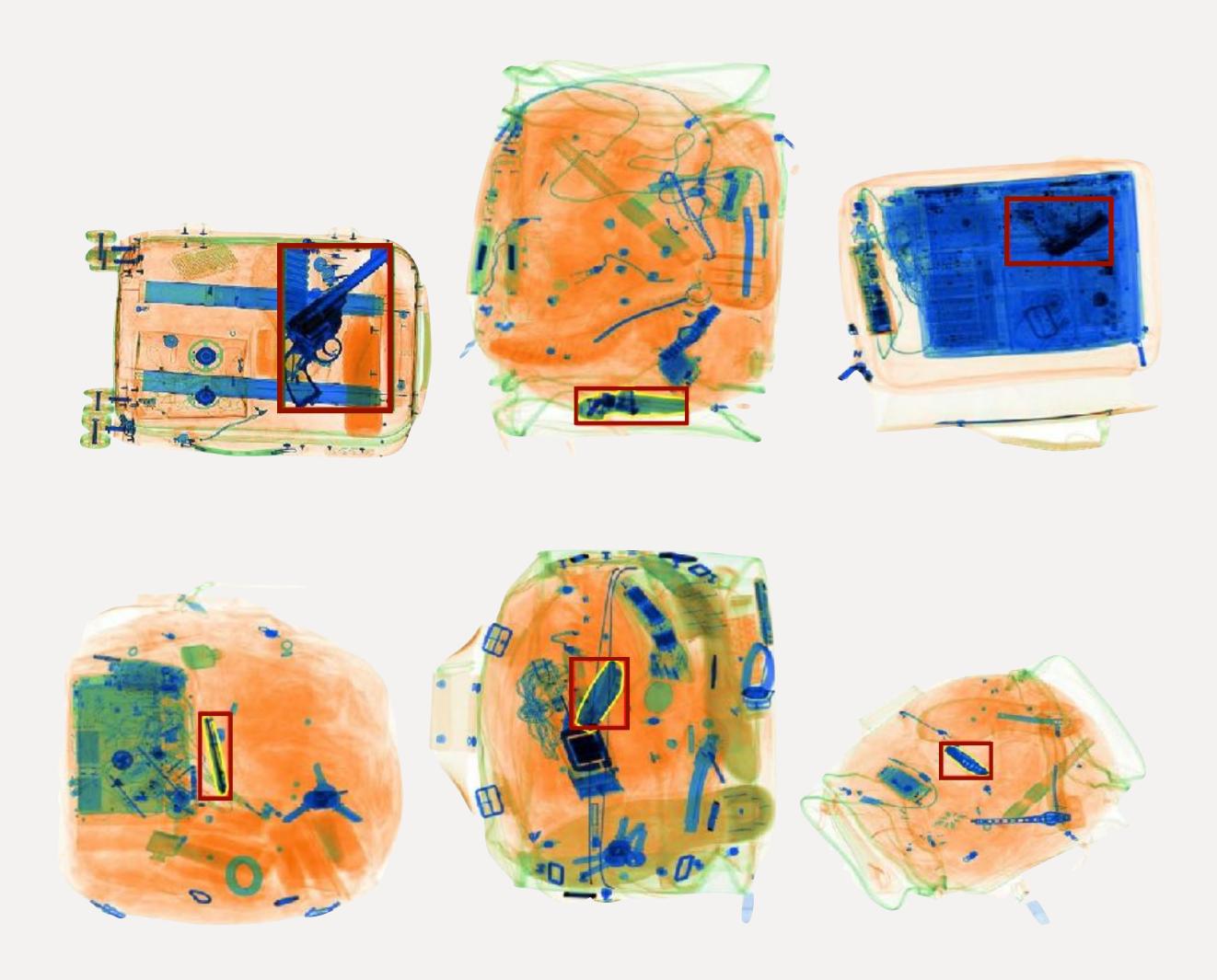
total number of positives in the dataset

specificity =

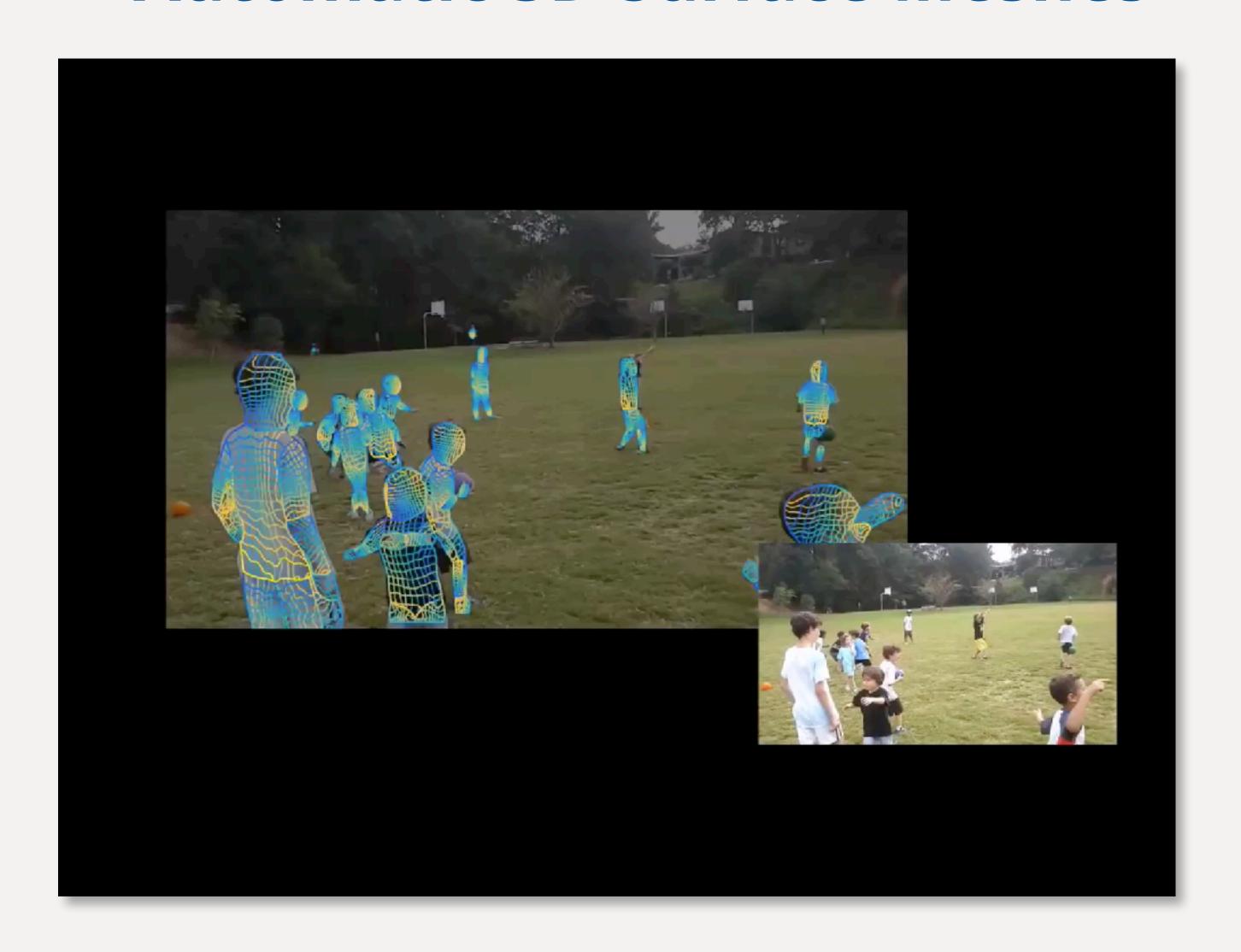
rumber of true negatives

total number of negatives in the dataset

Deep Learning for Image Analysis: TSA Screening



Deep Learning for Image Analysis: Automatic 3D Surface Meshes



Credits

Validation Set Performance for Referable Diabetic Retinopathy

Gulshan V, Peng L, Coram M, et al. Development and Validation of a Deep Learning Algorithm for Detection of Diabetic Retinopathy in Retinal Fundus Photographs. *JAMA*. 2016;316(22):2402–2410. doi:10.1001/jama.2016.17216

DensPose: Dense Human Pose Estimation in the Wild

Rıza Alp Güler, Natalia Neverova, Iasonas Kokkinos. DensPose: Dense Human Pose Estimation in the Wild. *arXiv.* 2018. http://densepose.org/