

HW1: Sample

Pedro Rodriguez

Sample pandoc, Section 1 describes some datasets

1 Datasets

Table 1: Human annotated action classification datasets and their sizes

Dataset	Instances	Classes
KTM (Schüldt, Laptev, and Caputo 2004)	2391	61
Hollywood2 (Marszałek, Laptev, and Schmid 2009)	2400	12
Olympic Sports (Niebles, Chen, and Fei-Fei 2010)	800	16
UCF10 (Liu, Luo, and Shah 2009)	1160	11
UCF50 (Reddy and Shah 2012)	6618	50
UCF101 (Soomro, Zamir, and Shah 2012)	13320	101
HMDB51 (Kuehne et al. 2011)	6849	51
ActivityNet (Caba Heilbron et al. 2015)	$203 \times 137 = 27811$	203

References

- Caba Heilbron, Fabian, Victor Escorcia, Bernard Ghanem, and Juan Carlos Niebles. 2015. “ActivityNet: A Large-Scale Video Benchmark for Human Activity Understanding.” In *The Ieee Conference on Computer Vision and Pattern Recognition (Cvpr)*.
- Kuehne, H., H. Jhuang, E. Garrote, T. Poggio, and T. Serre. 2011. “HMDB: A Large Video Database for Human Motion Recognition.” In *Proceedings of the International Conference on Computer Vision (Iccv)*.
- Liu, Jingen, Jiebo Luo, and Mubarak Shah. 2009. “Recognizing Realistic Actions from Videos ‘in the Wild’.” *2009 IEEE Conference on Computer Vision and Pattern Recognition*, 1996–2003.
- Marszałek, Marcin, Ivan Laptev, and Cordelia Schmid. 2009. “Actions in Context.” In *IEEE Conference on Computer Vision & Pattern Recognition*.
- Niebles, Juan Carlos, Chih-Wei Chen, and Li Fei-Fei. 2010. “Modeling Temporal Structure of Decomposable Motion Segments for Activity Classification.” In *ECCV*.
- Reddy, Kishore K., and Mubarak Shah. 2012. “Recognizing 50 Human Action Categories of Web Videos.” *Machine Vision and Applications* 24: 971–81.
- Schüldt, Christian, Ivan Laptev, and Barbara Caputo. 2004. “Recognizing Human Actions: A Local Svm Approach.” *Proceedings of the 17th International Conference on Pattern Recognition, 2004. ICPR 2004.* 3: 32–36 Vol.3.
- Soomro, Khurram, Amir Roshan Zamir, and Mubarak Shah. 2012. “UCF101: A Dataset of 101 Human Actions Classes from Videos in the Wild.” *CoRR* abs/1212.0402.