

The American Sign Language Recognition

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<https://www.kaggle.com/datamunge/sign-language-mnist>

Proposal

The American Sign Language letter database of hand gestures represent a multi-class problem with 24 classes of letters (excluding J and Z which require motion). Each training and test case represents a label (0-25) as a one-to-one map for each alphabetic letter A-Z (and no cases for 9=J or 25=Z because of gesture motions). There are 27,455 cases of training data and 7,172 cases of test data, header row of label, pixel1,pixel2...pixel784 which represent a single 28x28 pixel image with grayscale values between 0-255.

	label	pixel1	pixel2	pixel3	pixel4	pixel5	pixel6	pixel7	pixel8	pixel9	...
0	3	107	118	127	134	139	143	146	150	153	...
1	6	155	157	156	156	156	157	156	158	158	...
2	2	187	188	188	187	187	186	187	188	187	...
3	2	211	211	212	212	211	210	211	210	210	...
4	12	164	167	170	172	176	179	180	184	185	...