

A3 Midpoint: Shape Matching

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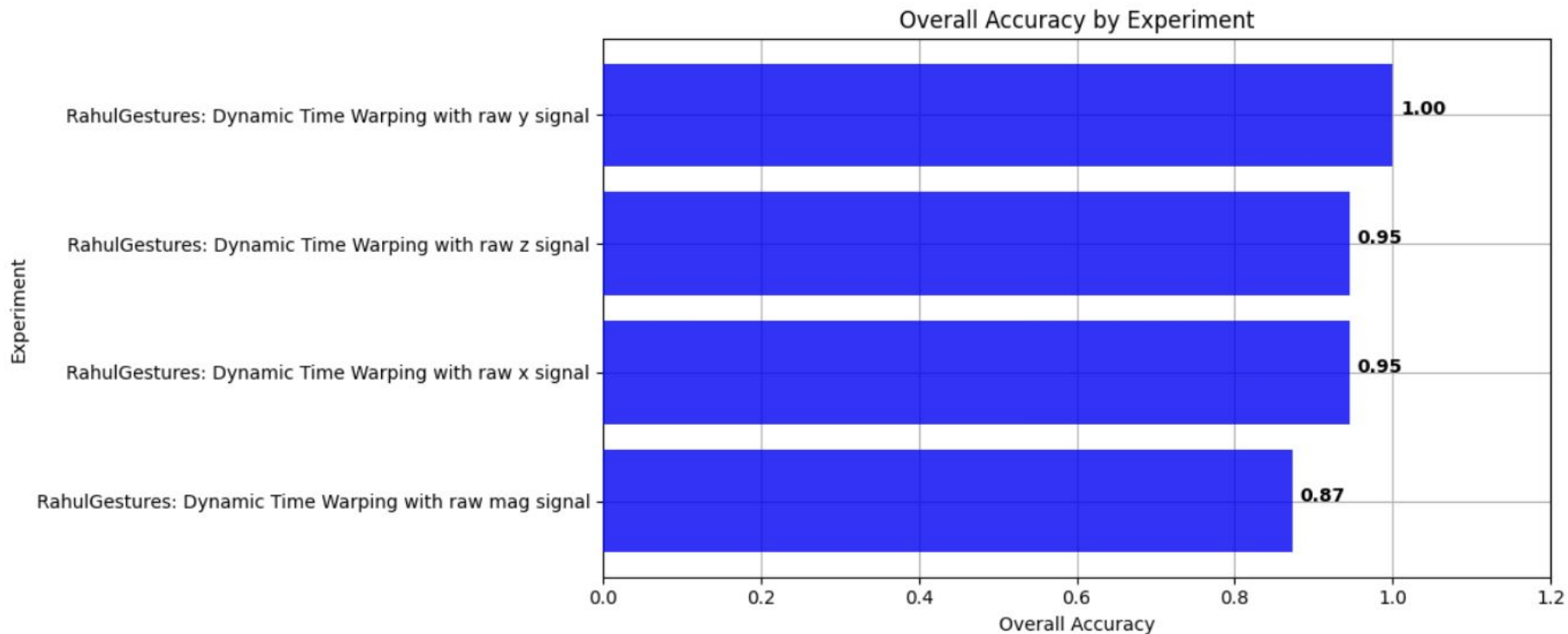
Your algorithm design & evaluation process thus far

I followed the same skeleton as the provided similarity matching functions to start. I first mean-padded the signals to make them be of the same length. Then, I calculated the dynamic time warping distance between the signals using the `fastdtw` python library. For the euclidean distance parameter to the `fastdtw` function, I supplied a constant of 2. I appended the tuple of distance and the signal to an n-best list to fit into the experiment/result infrastructure.

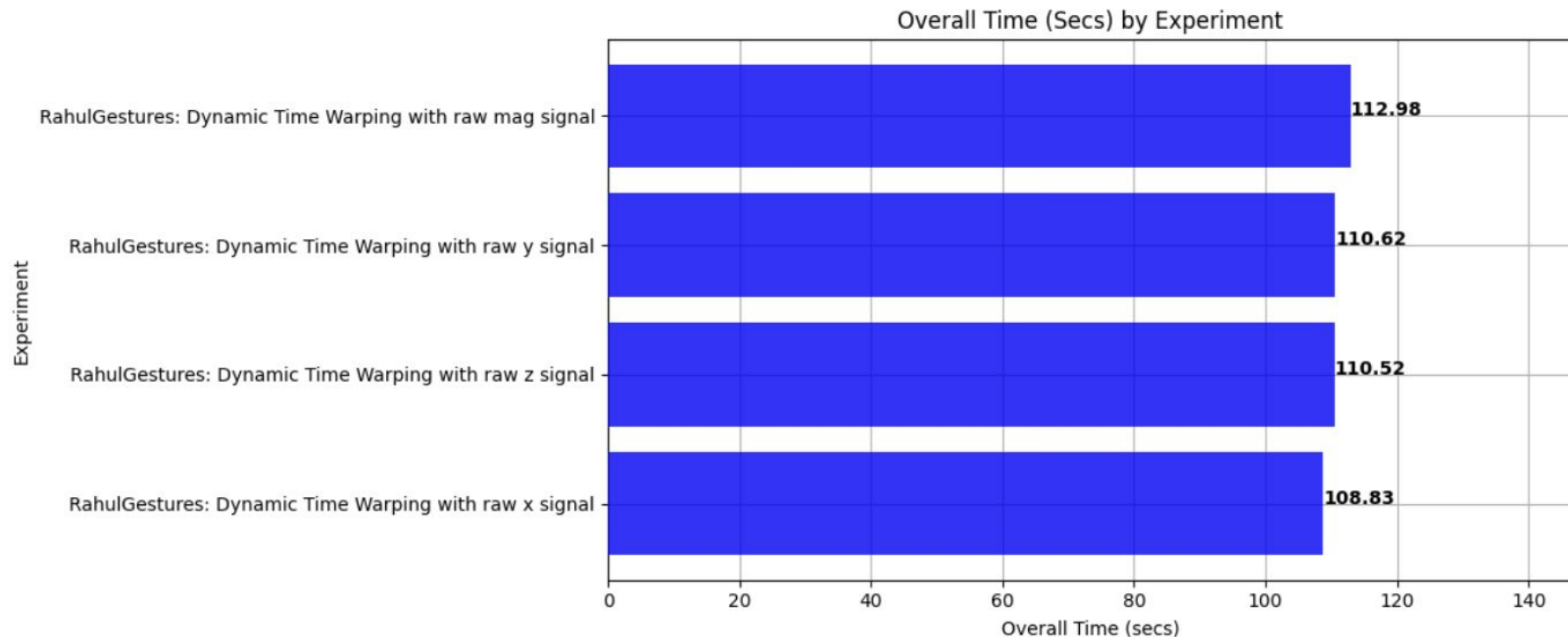
Your Gesture Results

Include graphs showing experiments and process

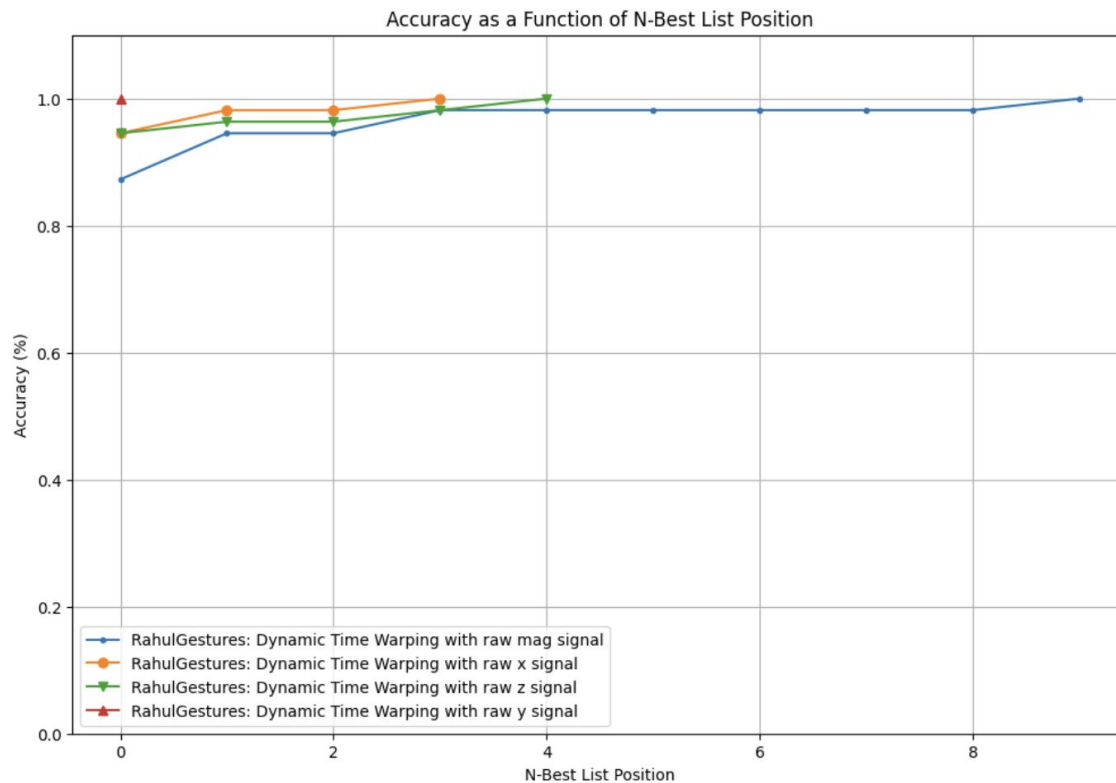
Overall **accuracy** by experiment



Overall **time** per experiment



N-best list performance



Description of best-performing algorithm: 100.0%

The best results I achieved was dynamic time warping on the raw y signal, with 100% accuracy. I was generally impressed with the DTW approach as its accuracy was high across the board.

