filename = 'test.csv';

Data = dlmread(filename);

T = 498;

SpineBaseX = Data(1:1:T,1);

SpineBaseY = Data(1:1:T,2);

SpineBaseZ = Data(1:1:T,3);

SpineMidX = Data(1:1:T,4);

SpineMidY = Data(1:1:T,5);

SpineMidZ = Data(1:1:T,6);

NeckX = Data(1:1:T,7);

NeckY = Data(1:1:T,8);

NeckZ = Data(1:1:T,9);

HeadX = Data(1:1:T,10);

HeadY = Data(1:1:T,11);

HeadZ = Data(1:1:T,12);

ShoulderLeftX = Data(1:1:T,13);

ShoulderLeftY = Data(1:1:T,14);

ShoulderLeftZ = Data(1:1:T,15);

ElbowLeftX = Data(1:1:T,16);

ElbowLeftY = Data(1:1:T,17);

ElbowLeftZ = Data(1:1:T,18);

WristLeftX = Data(1:1:T,19);

WristLeftY = Data(1:1:T,20);

WristLeftZ = Data(1:1:T,21);

HandLeftX = Data(1:1:T,22);

HandLeftY = Data(1:1:T,23);

HandLeftZ = Data(1:1:T,24);

ShoulderRightX = Data(1:1:T,25);

ShoulderRightY = Data(1:1:T,26);

ShoulderRightZ = Data(1:1:T,27);

ElbowRightX = Data(1:1:T,28);

ElbowRightY = Data(1:1:T,29);

ElbowRightZ = Data(1:1:T,30);

WristRightX = Data(1:1:T,31);

WristRightY = Data(1:1:T,32);

WristRightZ = Data(1:1:T,33);

HandRightX = Data(1:1:T,34);

HandRightY = Data(1:1:T,35);

HandRightZ = Data(1:1:T,36);

HipLeftX = Data(1:1:T,37);

HipLeftY = Data(1:1:T,38);

HipLeftZ = Data(1:1:T,39);

KneeLeftX = Data(1:1:T,40);

KneeLeftY = Data(1:1:T,41);

KneeLeftZ = Data(1:1:T,42);

AnkleLeftX = Data(1:1:T,43);

AnkleLeftY = Data(1:1:T,44);

AnkleLeftZ = Data(1:1:T,45);

FootLeftX = Data(1:1:T,46);

FootLeftY = Data(1:1:T,47);

FootLeftZ = Data(1:1:T,48);

HipRightX = Data(1:1:T,49);

HipRightY = Data(1:1:T,50);

HipRightZ = Data(1:1:T,51);

KneeRightX = Data(1:1:T,52);

KneeRightY = Data(1:1:T,53);

KneeRightZ = Data(1:1:T,54);

AnkleRightX = Data(1:1:T,55);

AnkleRightY = Data(1:1:T,56);

AnkleRightZ = Data(1:1:T,57);

FootRightX = Data(1:1:T,58);

FootRightY = Data(1:1:T,59);

FootRightZ = Data(1:1:T,60);

SpineShoulderX = Data(1:1:T,61);

SpineShoulderY = Data(1:1:T,62);

SpineShoulderZ = Data(1:1:T,63);

HandTipLeftX = Data(1:1:T,64);

HandTipLeftY = Data(1:1:T,65);

HandTipLeftZ = Data(1:1:T,66);

ThumbLeftX = Data(1:1:T,67);

ThumbLeftY = Data(1:1:T,68);

ThumbLeftZ = Data(1:1:T,69);

HandTipRightX = Data(1:1:T,70);

HandTipRightY = Data(1:1:T,71);

HandTipRightZ = Data(1:1:T,72);

ThumbRightX = Data(1:1:T,73);

ThumbRightY = Data(1:1:T,74);

ThumbRightZ = Data(1:1:T,75);