Hi, Dr Hamarneh,

I use the ASM to analyse chest radiograph. However, I doubt your code in the ASM. mainly in the procedure of [GetProfileStatistics]. I made some revise. I hope you make sure of it. thanks!
(red is your code, blur is my revised code.)

NumUnallowedShapes=zeros(maxNumPyramidLevels, size(Xu,1)/2);  % I added following variable.
LabelUnallowedShapes=zeros(size(Xu,2), MaxNumPyramidLevels, size(Xu,1)/2); %Indicating the unallowed Shape of some landmark

for ind1=1:MaxNumPyramidLevels, %for each level
    for ind2=1:size(Xu,1)/2, %for each landmark
        if(size(Xu,2)==NumUnallowedShapes(ind1,ind2,1))
            if(NumUnallowedShapes(ind1,ind2)~=0)
                MnNrmDrvProfiles(ind1,ind2,:)=mean(NormalizedGradientProfiles(:,ind1,ind2,:))... *size(Xu,2)/(size(Xu,2)-NumUnallowedShapes(ind1,ind2,1));
            end
        end
    end
end

%since we average with shapes, and some landmark profiles are not allowed in certain shapes
%and they were zero, so the sum is the same but we need to divide by something less
%which is the NumberofShapes - numberOfUnallowedShapes for each landmark
waitbar((ind1*ind2)/(MaxNumPyramidLevels*size(Xu,1)/2));

2010-03-30

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