```
%% Section 6: Step 2 of the SMM estimation
[~,modelMoments]          = objectFunc(struct2array(paramsStep1)',setupStep1);
Wopt                      = getOptimalWeighting(qLag,modelMoments,setupStep1);
setupStep2                = setupStep1;
setupStep2.Sw             = chol(Wopt);
setupStep2.optimWeightMat = 1;
disp(['Rank of Wopt = ', num2str(rank(Wopt))])
params0Step2              = paramsStep1;
for i=1:numOptimStep2
    [paramsStep2,setupStep2]  = runOptimization(setupStep2,params0Step2);
    params0Step2 = paramsStep2;
end

% The standard errors
resultsStep2 = getSESMM(struct2array(paramsStep2)',epsValue,setupStep2);
```