

```
function plot_data(TEST, num_nodes, history, nodes_va_next, nodes_va_f,
    nodes_va0)
%Plot Convergence
subplot(1,3,2);
for i = 1:num_nodes
    plot(history(:,i) , 'color' , rand(1,3))
    hold on
end

%Plot Final Estimates vs Initial Estimates
if TEST == true
    final = nodes_va_next; %TEST CODE: analyze before convergence
else
    final = nodes_va_f*ones(10,1); %create array of consensus values for
    plotting
end

subplot(1,3,3);
plot(final, 'ro')
hold on
plot(final, 'r')
hold on
plot(nodes_va0, 'bo')
hold on
plot(nodes_va0, 'b')
drawnow
hold off
end
```