data1_18_hw6 homework 6, assigned wed. 14-nov-2018, due tue. 20-nov (if possible) revisit prob. 1 of HW4 (the traverse problem) (i will be adding output for B & f & delta for first 2 iterations and the final parameter values in case you need to fix your solution - see me if any questions) 1. make 2-sided global test on reference variance, at alpha=.05 display the results 2. irrespective of results of 1,(a) make a plot of the point layout and the survey (details your discretion) (b) compute parameters of 99% confidence ellipses for each of the three points twice: once for the case of accept Ho, again for the case of reject Ho (c) plot both ellipses for each point (with different colors) at a scale which is appropriate (d) plot a labelled map scale bar, and a labelled error scale bar 3. useful matlab graphic info plot([x1 x2 x3],[y1 y2 y3],'b*') plots a blue asterisk symbol at the 3 points
plot([x1 x2 x3],[y1 y2 y3],'g-') plots a green polyline through points 1,2,3
plot([x1 x2 x3],[y1 y2 y3],'g-','linewidth',2) plots a thicker green line
plot([x1 x2 x3],[y1 y2 y3],'ko','linewidth',2) plots a heavier weight black circle at each point see the "help plot" for more options text(x,y,'string') plots text annotation starting at location x,ybegin with "hold on" statement end with "axis equal" statement print(gcf,'foo.jpg','-djpeg','-r300') puts a high quality rendering of the drawing into the indicated image file.

4. in your results show the usual output for the LS problem with all post adjustment statistical results. include hardcopy of the plot, include source code. email me a copy of the image file.