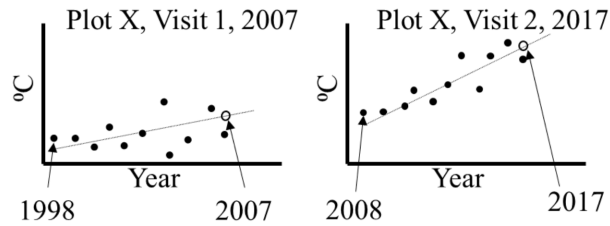
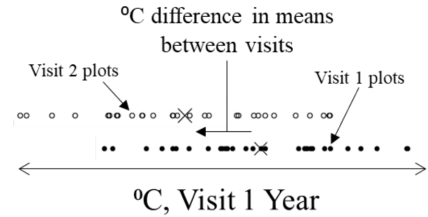
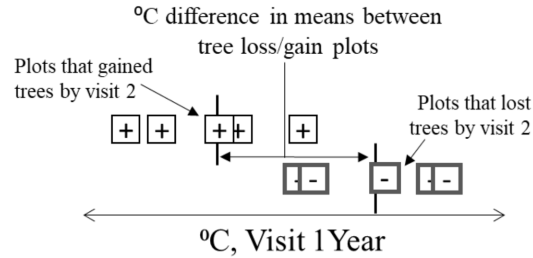
A. Predict temperature or precipitation values (open circles) for visits 1 and 2 at all FIA plots. Figure to the right depicts the predictions of temperature at a single hypothetical FIA plot (Plot X).



B. Conduct range shift analysis for species of interest. Range shift = mean of temperature or precipitation values for the population of plots occupied in visit 2 – those occupied in visit 1.



C. Conduct density shift analysis for species of interest, use only FIA plots at which a species either lost or gained individuals between visits. Density shift = mean of temperature/precipitation values for plots that gained trees – those that lost trees.



D. Using all FIA plots occupied by a species at either visit and the predicted temperature or precipitation values for visit 1 and visit 2, examine changes in plot temperature or precipitation (visit 2 – visit 1) across plots. Determine if an intercept-only or slope model better fit the data.