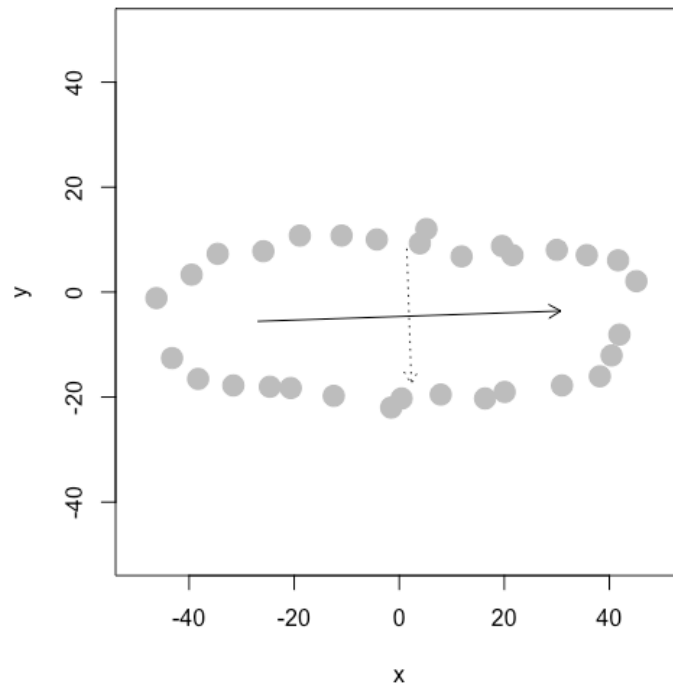


a. Create an oval shaped scatter plot of points that stretches in two directions – you should find that the principal component vectors point in the major and minor directions of variance (dispersion). Show this visualization.



b. Can you create a scatterplot whose principal component vectors do NOT seem to match the major directions of variance? Show this visualization.

