

Jack Taylor, Lab 3

1. The sf library is used for more simple operations while the terra library is used for more complex operations.
2. St_buffer creates a buffer around the feature, st_intersects determines if a feature is within a buffer, and st_set_crs which lets you set the coordinate reference system.
3. You could sfheaders::sfg_linestring(obj = *line_matrix*) and you could use sfheaders::sfg_polygon(obj = *poly_dataframe*).
4. You would use subset using *shapefile[shapefile\$filter param]*.
5. You could represent areas of high and low temperature by turning the temperature into a raster layer and plotting it with a custom color palette.

Repository link: <https://github.com/tayl1371/GEO426JackTaylor>