

## CSI3005 – Advanced Data Visualization Techniques

L35+L35

### Challenging Task -2

Answer the following questions using the **west.csv**

Create all plots using ggplot2 library. Add title, x axis and y axis label to all the plots. Apply color and fill attribute as necessary.

1. Create a histogram of percadultpoverty - Use a few different bin widths and show the results
2. Show percadultpoverty using kernel density plot
3. Create a box plot of percchildbelowpovert – percentage of population with college degree. Differentiate the states using colors
4. Create a plot that combines both violin plot and box plot for percchildbelowpovert
5. Create a scatter plot between precollege and percbelowpoverty. Use size channel to show the popdensity