

- 1) Explain the process of plotting a graph using different layers of ggplot2 in detail
- 2) Explain how to create following plots using ggplot2 with example
 - a) jitter plot
 - b) scatter plot
- 3) Explain the process of generating the Word Clouds in R
- 4) Write a short note on:
 - a) waffle charts in R
 - b) word cloud in R
- 5) Explain Important Functions of plotly package in R.
- 6) Explain the structure of shiny app in detail
- 7) Explain the user interface section and server section of shiny app in detail.
- 8) Give the syntax for following functions of shiny package in R:
 - a) `actionButton()`
 - b) `checkboxGroupInput()`
 - c) `textInput()`
 - d) **`textOutput()`**
- 9) **a)** Write and explain the different packages used for creating maps in R.
 - b) Explain Plotting Simple Features (sf) with Plot
- 10) **a)** List the standard Shiny widgets.
 - b) Give the features of plotly package in R.