

# Data Presentation and Visualization

2.2 Exercise -

1 tree map, 1 area chart, 1 stacked area chart, and 1 step chart  
Python, R, Tableau

Week 3 & 4

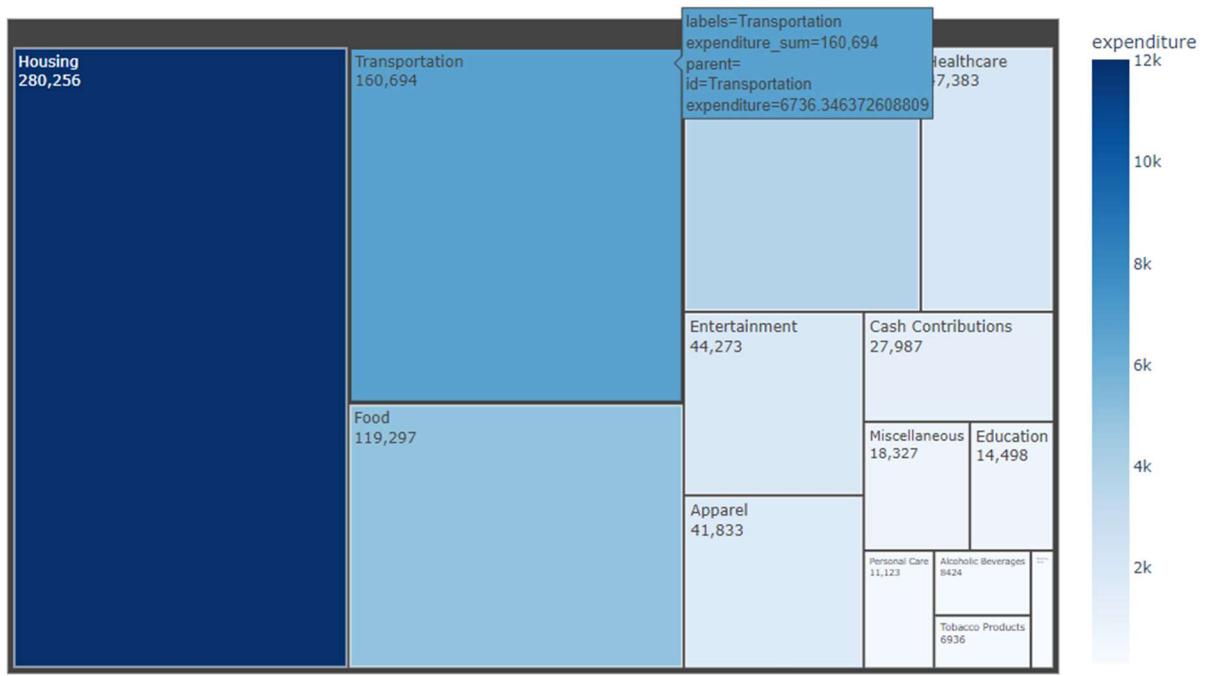
**Professor: Dr. Catherine Williams**

Author: Karthikeyan Chellamuthu

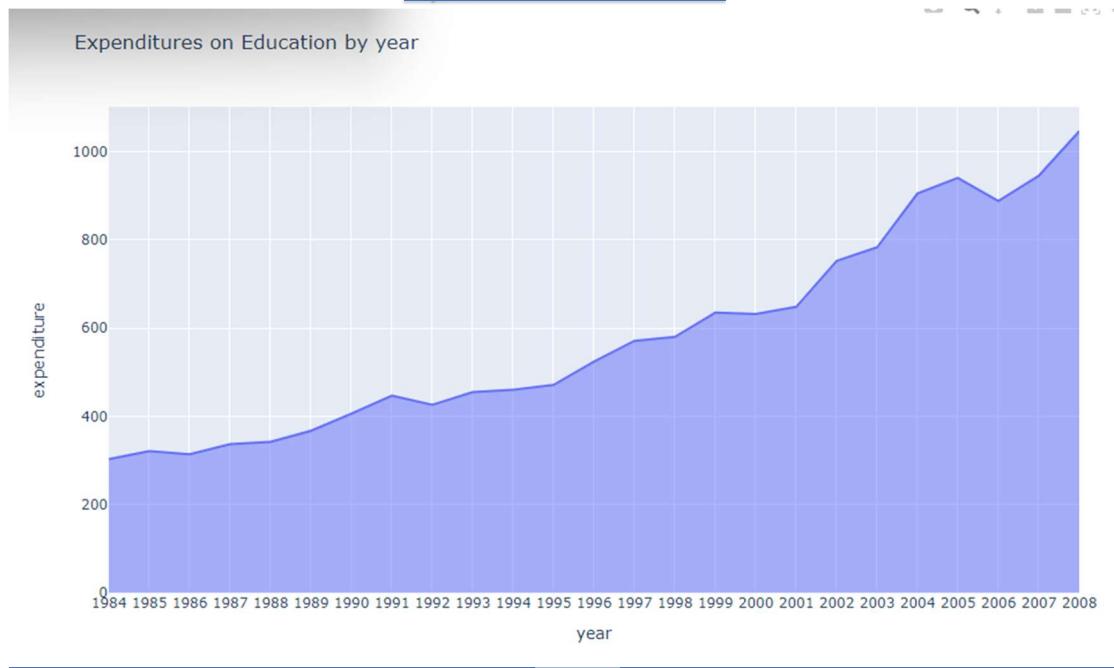
Due Date: 07/03/2022

## Python-Tree map chart

Category-wise expenditures

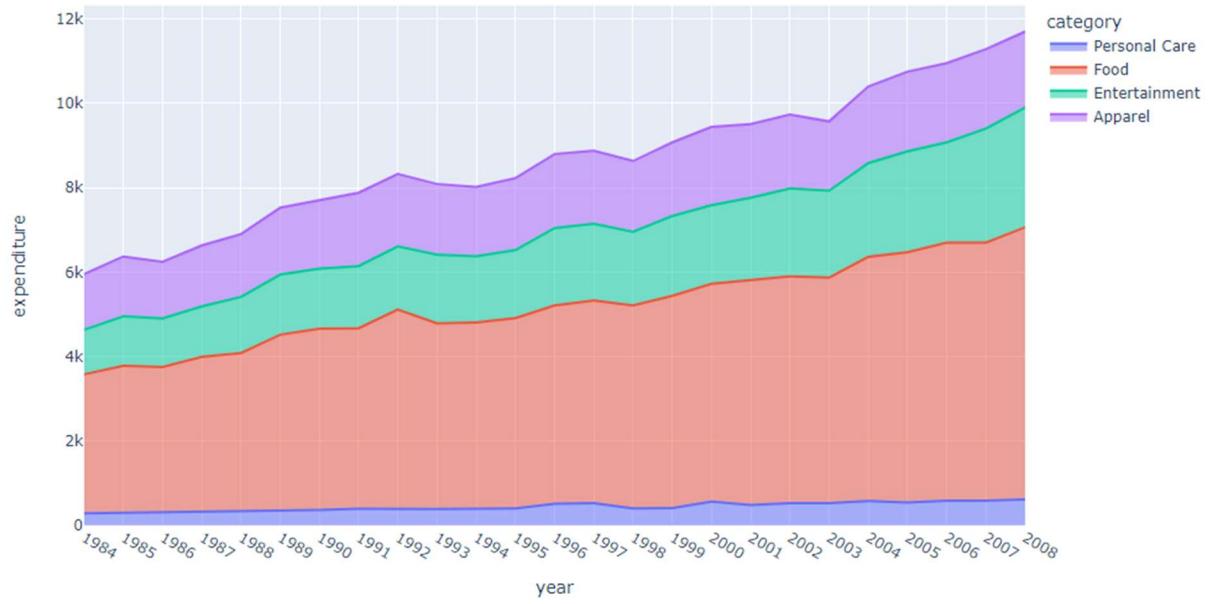


## Python-Area Chart

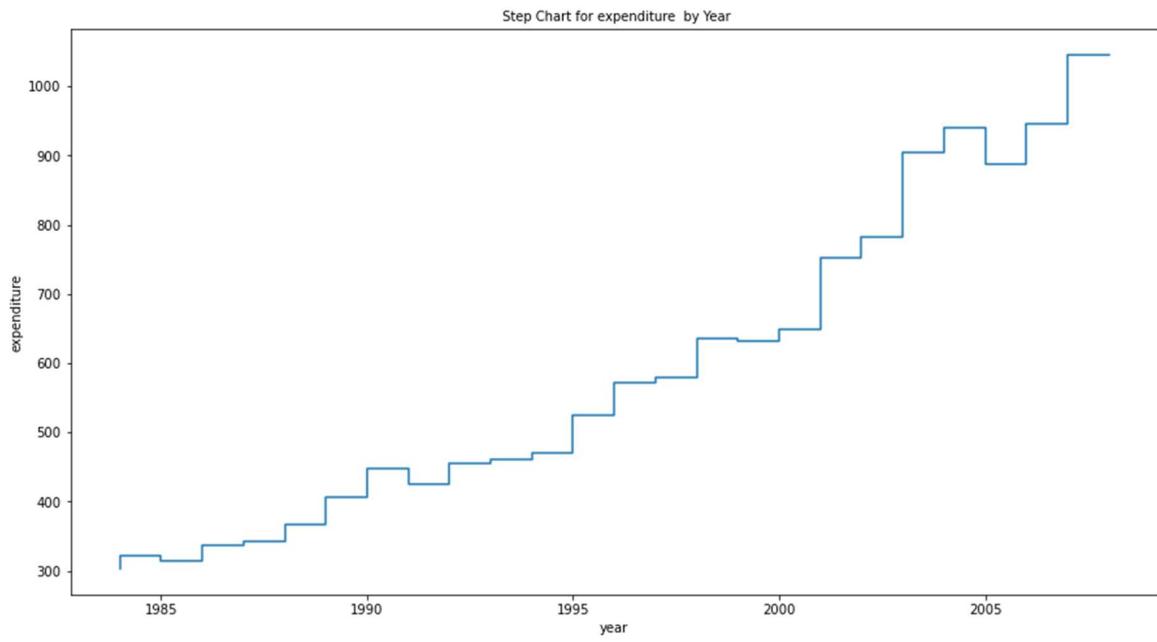


## Python-Stacked area Chart

Expenditures on personal Luxury Items by Year

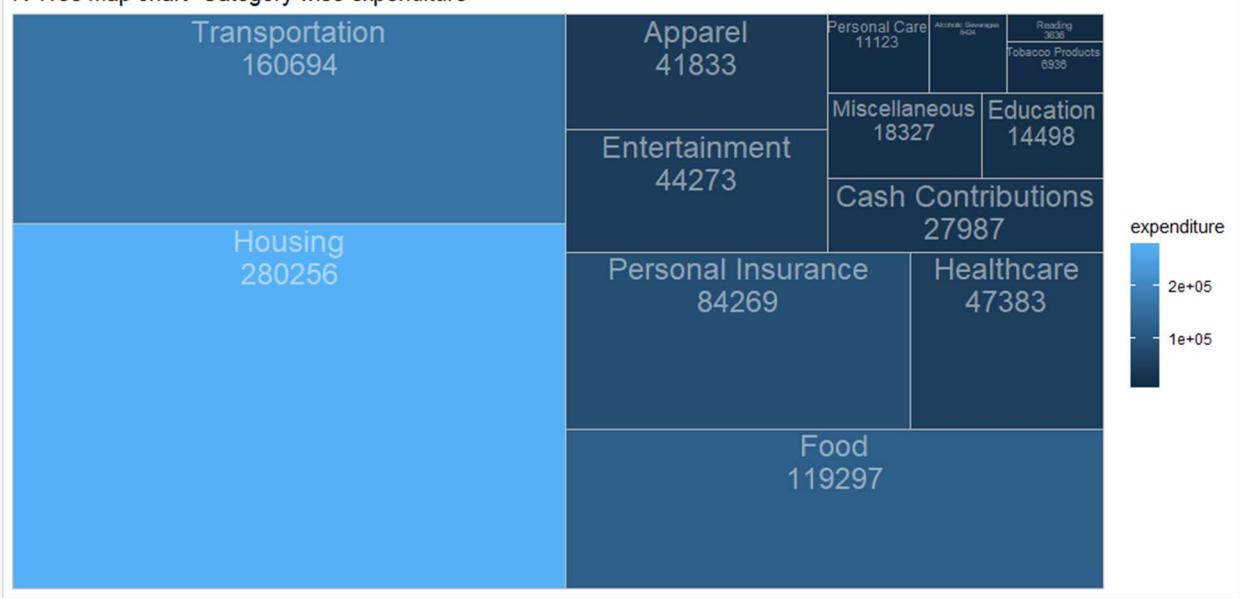


## Python-Step Chart

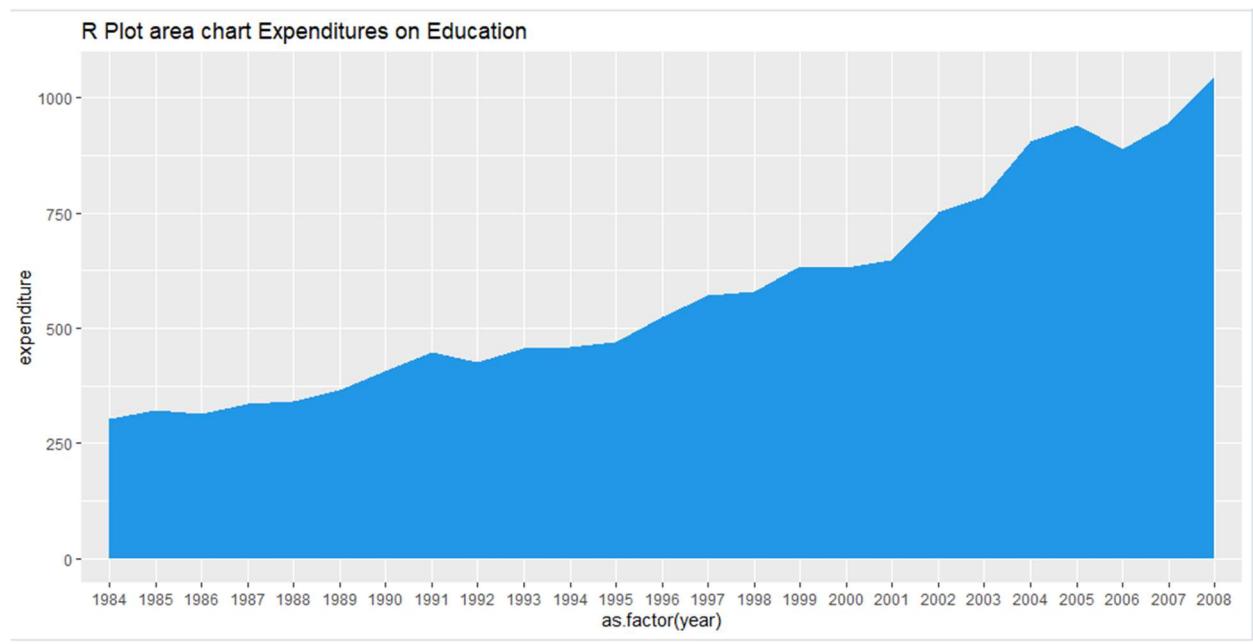


R-Tree map chart

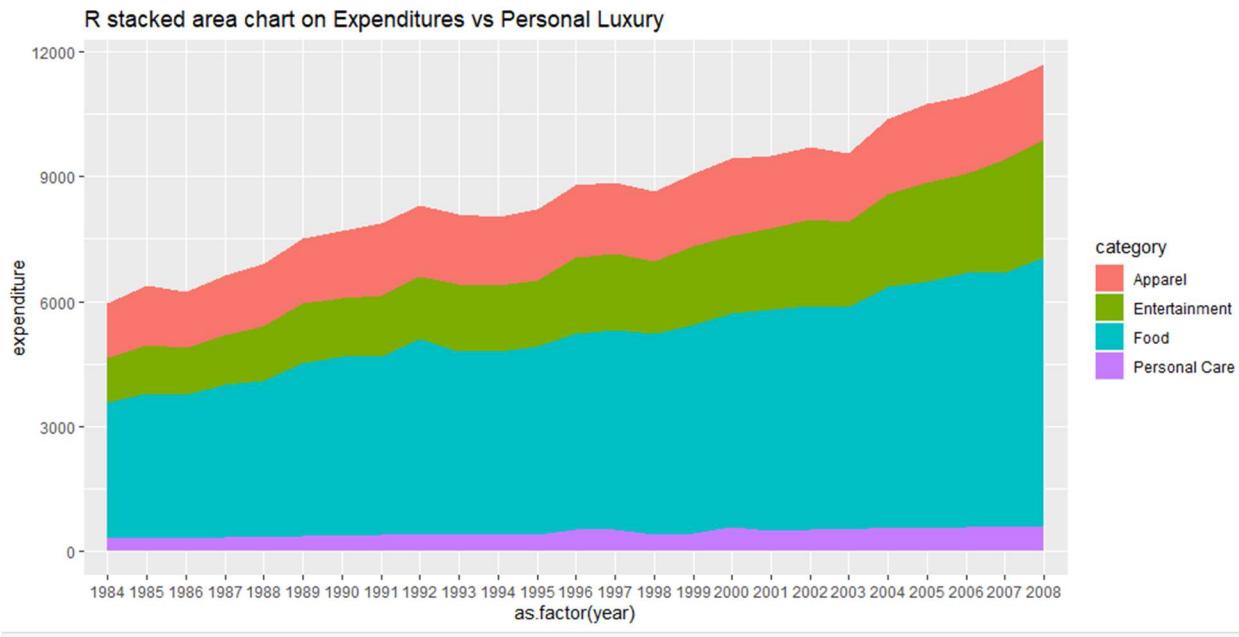
R Tree map chart -Category wise expenditure



## R-Area Chart

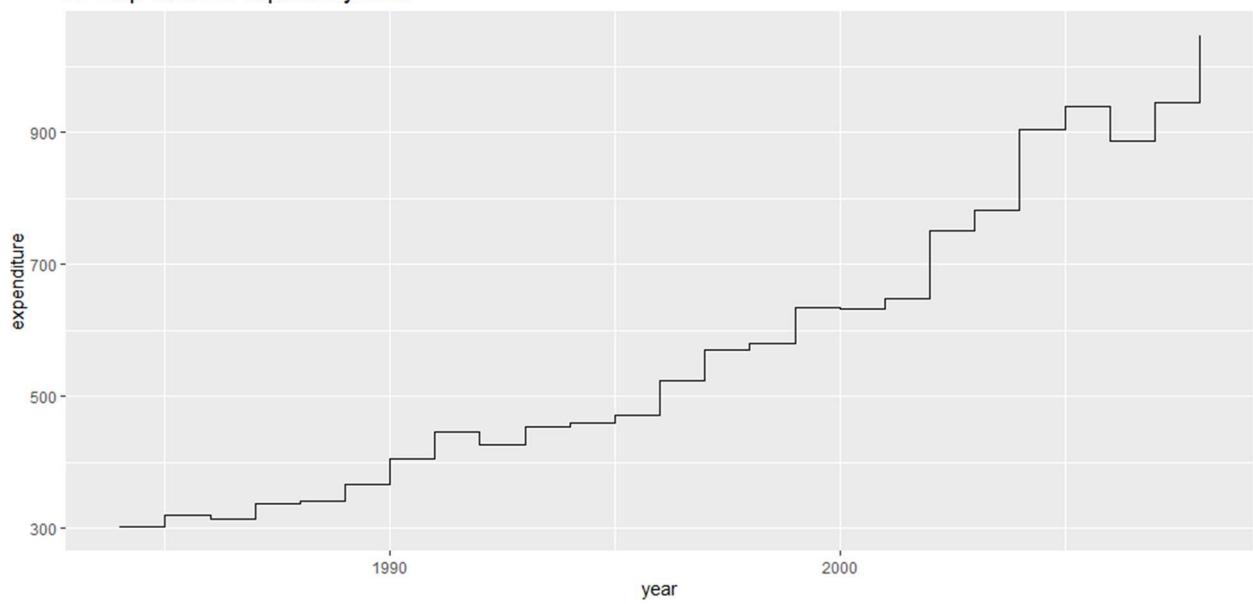


### R-Stacked Area Chart

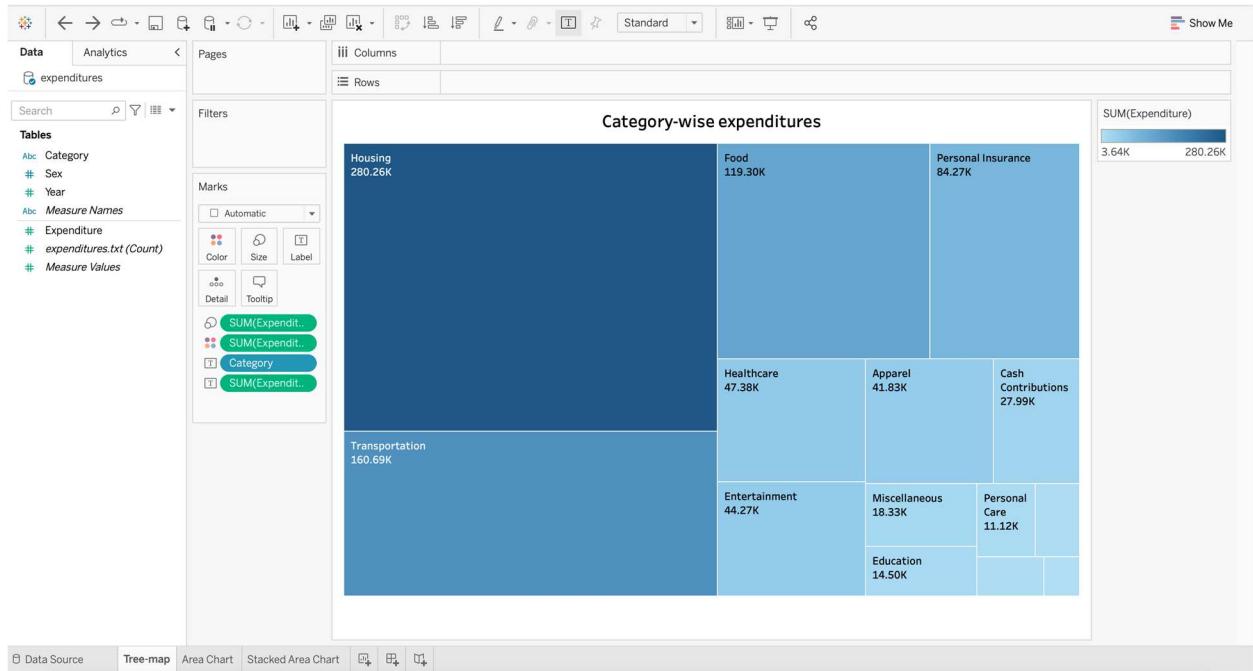


## R-Step Chart

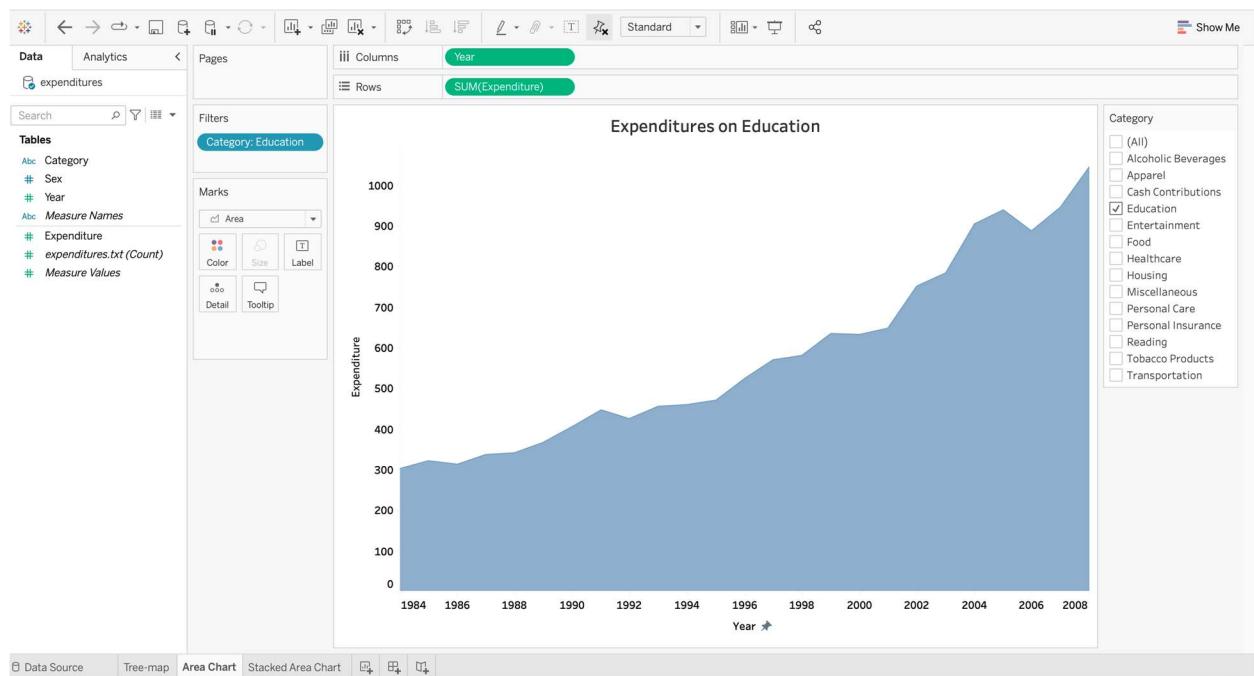
R: Step Chart for expendi by Year



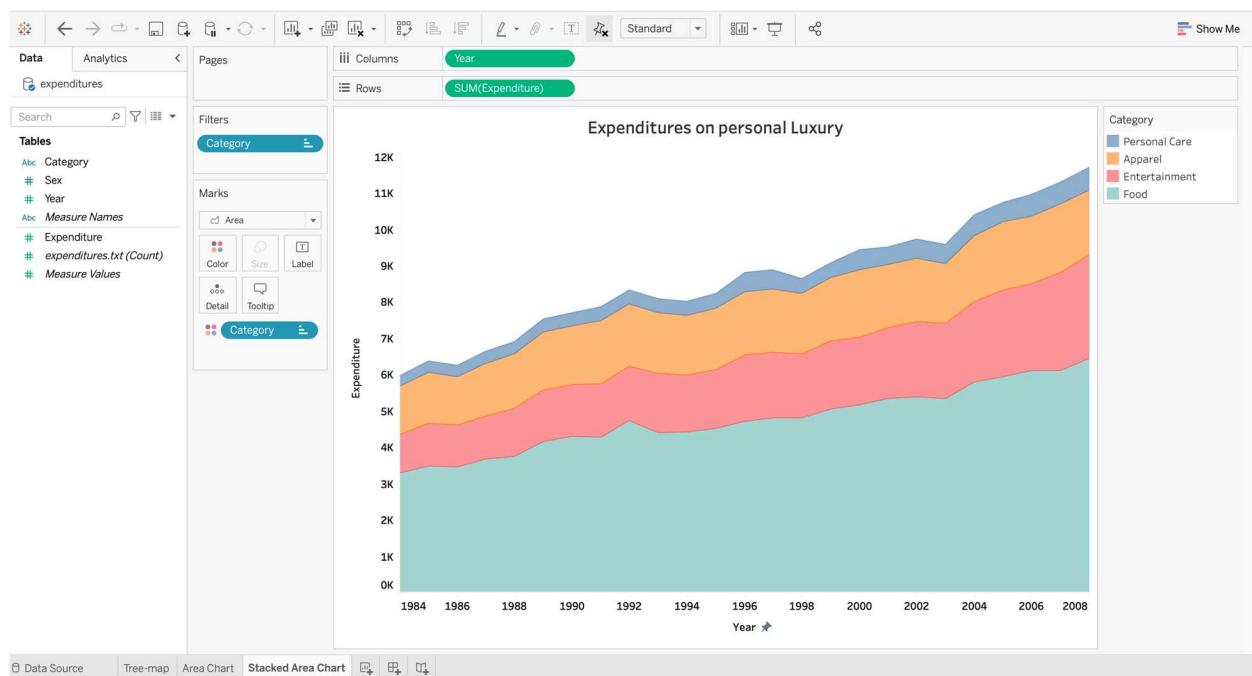
## Tableau –Tree Map chart



## Tableau-Area Chart



## Tableau-Stacked Area Chart



## Tableau-Step Chart

