ggESDA Contents

1   Introduction

- what is SDA

- why is SDA (Trend figure)

- introduce interval-valued data (one of the most common symbolic data type. . . ..)

- how to do SDA (introduce EDA, using EDA to analyze interval-valued data)

2   Prominent SDA packages

(preface. . . , overview all packages in python and R,then state the first three package. . . ..)

2.1   RSDA

2.2   symbolicDA

2.3   HistDAWass

(summarize with table)

(none of the above analyze interval-valued data with EDA using ggplot2)

3   the ggESDA package

(introduce feature : classic2sym() function can convert yourself. . . ,ggplot2 base. . . .,visualize with multiple type plot. . .)

3.1   classic2sym() function

3.2   plot function

3.3   PCA function

4   Application to real datasets

(like usage. . . , introduce data and transformation)

5   Conclusion