

世界中医药学会联合会 World Federation of Chinese Medicine Societies 中药新型给药系统专业委员会 Specialty Committee of TCM Drug Delivery System

附件 2: 中药制剂大会壁报模板(电子格式文件可联系会务组)



Make Interactive Complex Heatmaps in R

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Introduction

Heatmap is a powerful visualization method on two-dimensional Heatmap is a powerful visualization method on two-dimensional data to reveal patterns shared by subsets of rows and columns. I previously developed an R/Bioc package ComplexHeatmap that provides a general solution for making complex heatmaps. Here, I developed an R/Bioc package interactive ComplexHeatmap that can easily export static complex heatmaps into interactive heatmaps as Shiny applications. It also provides flexible functionalities for integrating interactive heatmap widgets into other Shiny applications.

- Features
 1.It works for all kinds of heatmaps as long as they are
- generated by ComplexHeatmap.

 2. It can also interactivate heatmaps from heatmap (),
- heatmap.2() and pheatmap().

 3. It allows integrating interactive heatmaps as parts of larger Shiny applications.
- 4. Response to mouse actions can be self-defined.

For the simplest usage, users only need to call one line of code after the heatmaps are generated



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Examples

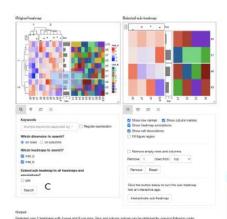


Figure 1. Default panels and tools in the interactive heatmap. A) The original heatmap. B) The selected sub-heatmap. C) The information of the heatmap cell that was clicked or the sub-heatmap that was

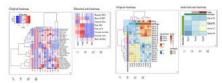


Figure 2. Interactive heatmaps from heatmap ().

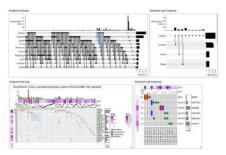


Figure 3. Interactive UpSet plot and oncoPrint.

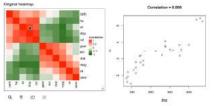


Figure 4. Self-define the response to the mouse click action



Figure 5. Integrate with shinydashboard pacakge