Bibliometrix: An R-tool for comprehensive science mapping analysis

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Agenda

- Bibliometria, Ciência e Estado da Arte
- Bibliometrix R-tool
- Exemplo em R Markdown/Script
- Biblioshiny()

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Bibliometria, Ciência e Estado da Arte

- Área da **ciência da informação** que aplica métodos **estatísticos e matemáticos** para analisar e construir indicadores sobre a **dinâmica e evolução** da informação científica e tecnológica.

Web of Science

SCOPUS

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Bibliometrix

- O pacote (R) fornece rotinas para **importação de dados** bibliográficos das bases de dados, realizando **análises bibliométricas** e construindo matrizes de dados para:

  - *co-citação*
  - *acoplamento*
  - *análise de colaboração científica*
  - *análise de palavras-chave.*

http://bibliometrix.org/

Bibliometrix

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Regular article

bibliometrix: An R-tool for comprehensive science mapping analysis

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ABSTRACT

The use of bibliometrics is gradually extending to all disciplines. It is particularly suitable for science mapping at a time when the emphasis on empirical contributions is producing voluminous, fragmented, and controversial research streams. Science mapping is complex and unwieldly because it is multi-step and frequently requires numerous and diverse software tools, which are not all necessarily freeware. Although automated workflows that integrate these software tools into an organized data flow are emerging, in this paper we propose a unique open-source tool, designed by the authors, called *bibliometrix*, for performing comprehensive science mapping analysis. *bibliometrix* supports a recommended workflow to perform bibliometric analyses. As it is programmed in R, the proposed tool is flexible and can be rapidly upgraded and integrated with other statistical R-packages. It is therefore useful in a constantly changing science such as bibliometrics.

Bibliometrix

http://bibliometrix.org/

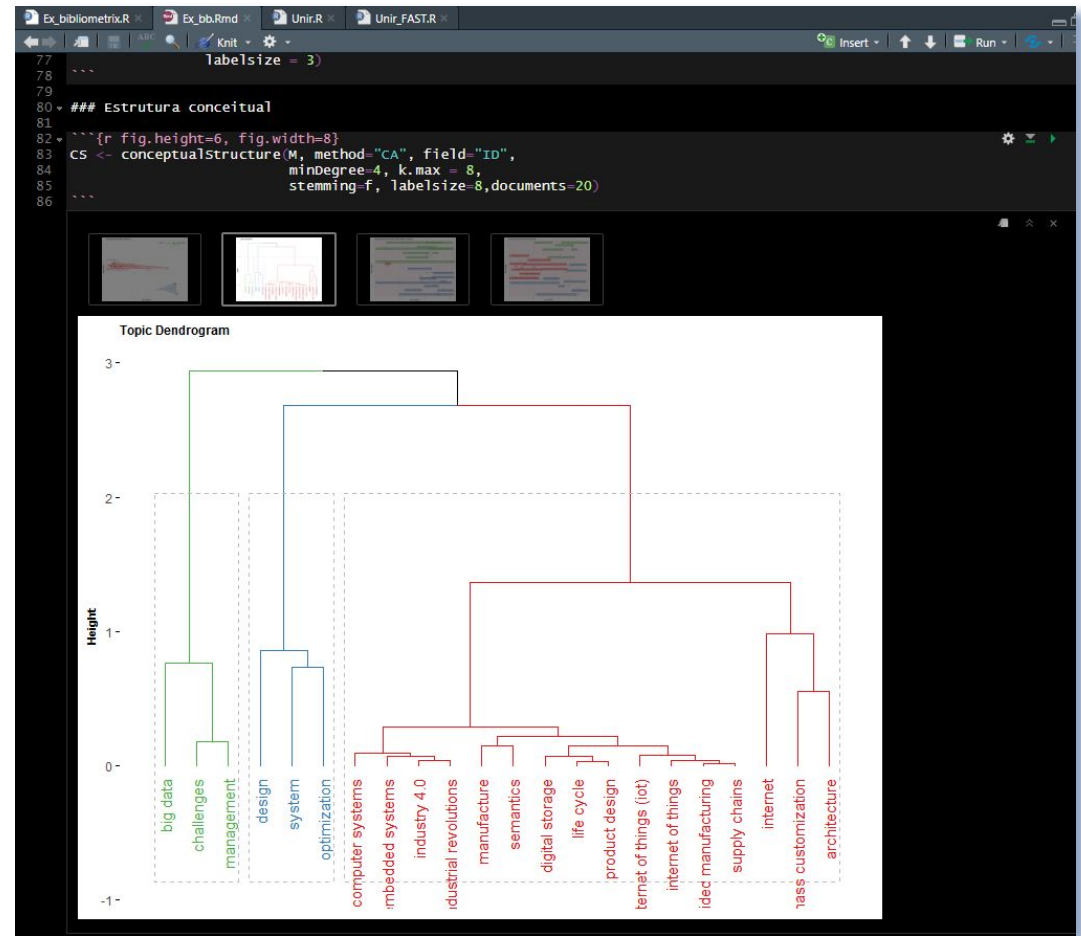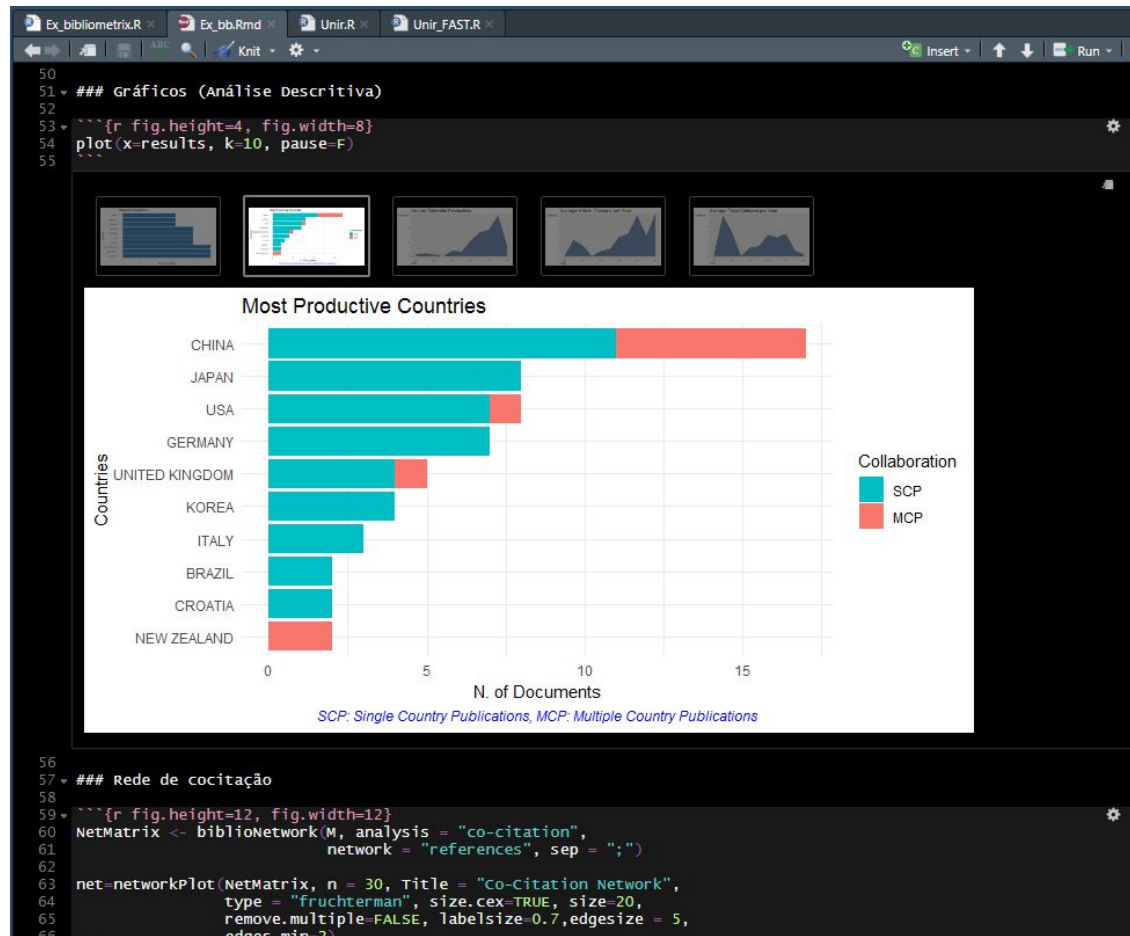# Um Exemplo em R Markdown/Script

- GitHub:

https://github.com/icaroagostino/bb
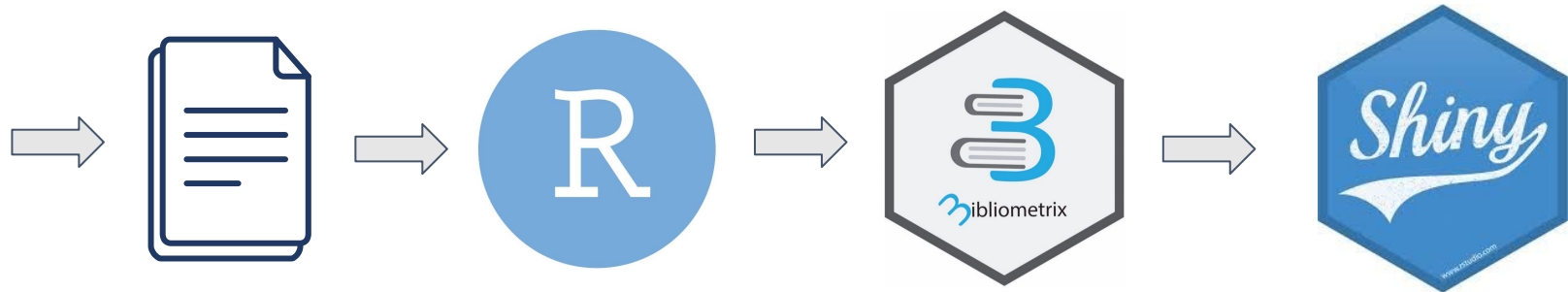
Um Exemplo em R Markdown/Script

Biblioshiny()

- Com o pacote Bibliometrix instalado escreva e execute:

```
> library(bibliometrix)
> biblioshiny()
```
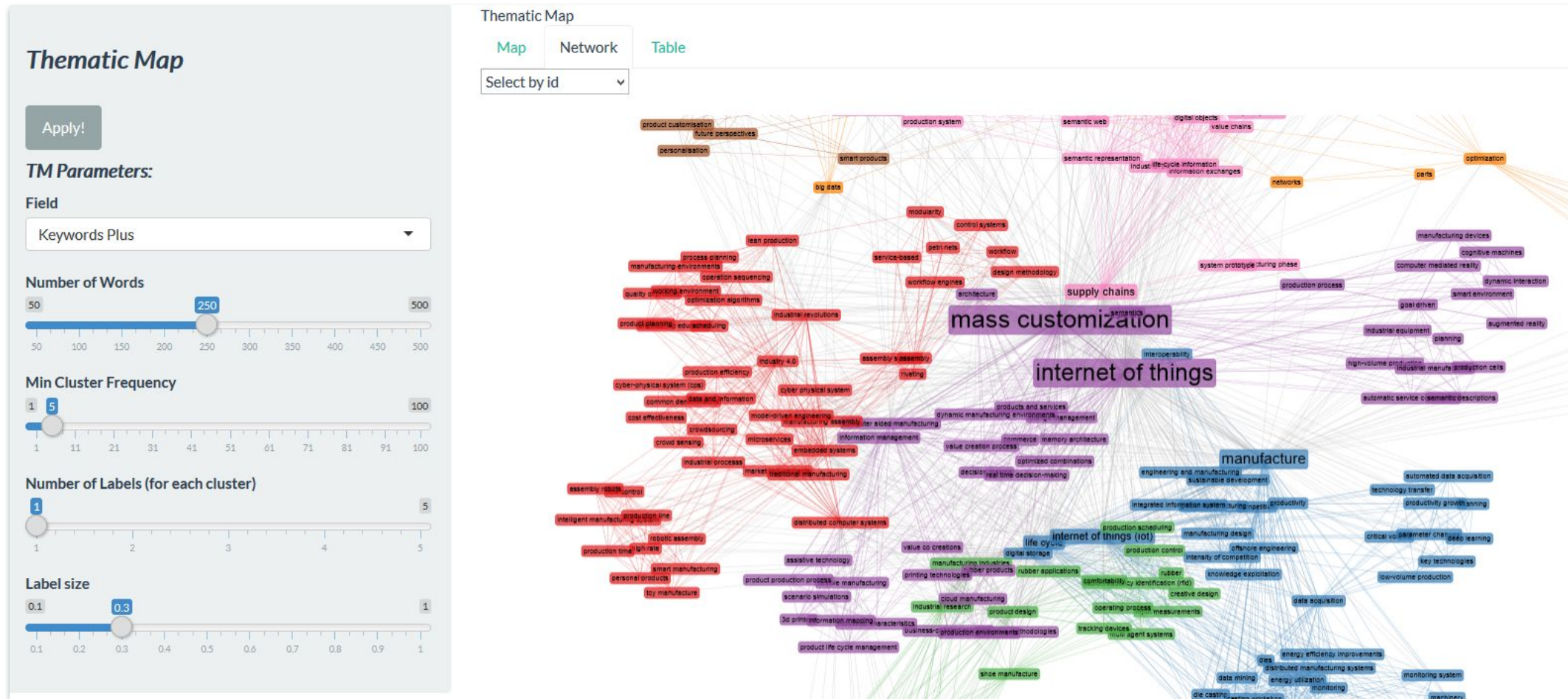

blibshiny: The shiny app for bibliometrix

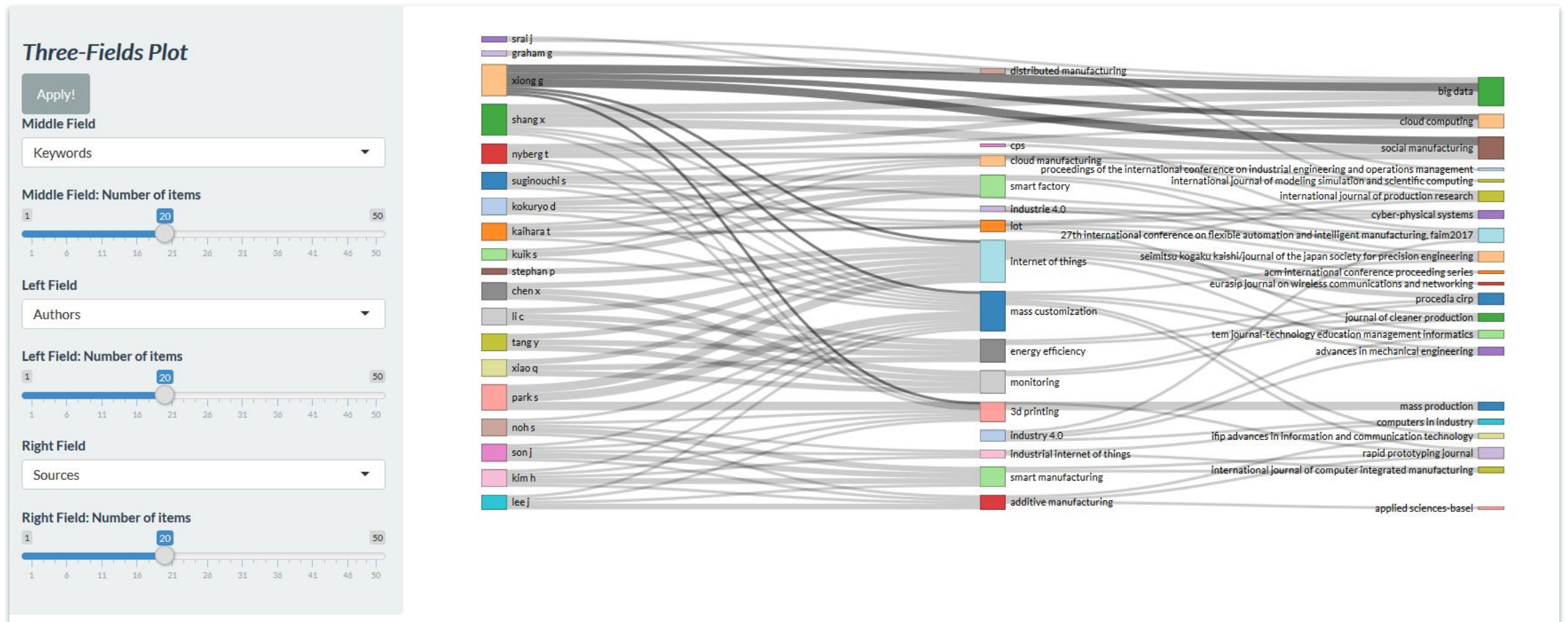bibliometrix: An R-tool for comprehensive science mapping analysis

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Bibliometrix

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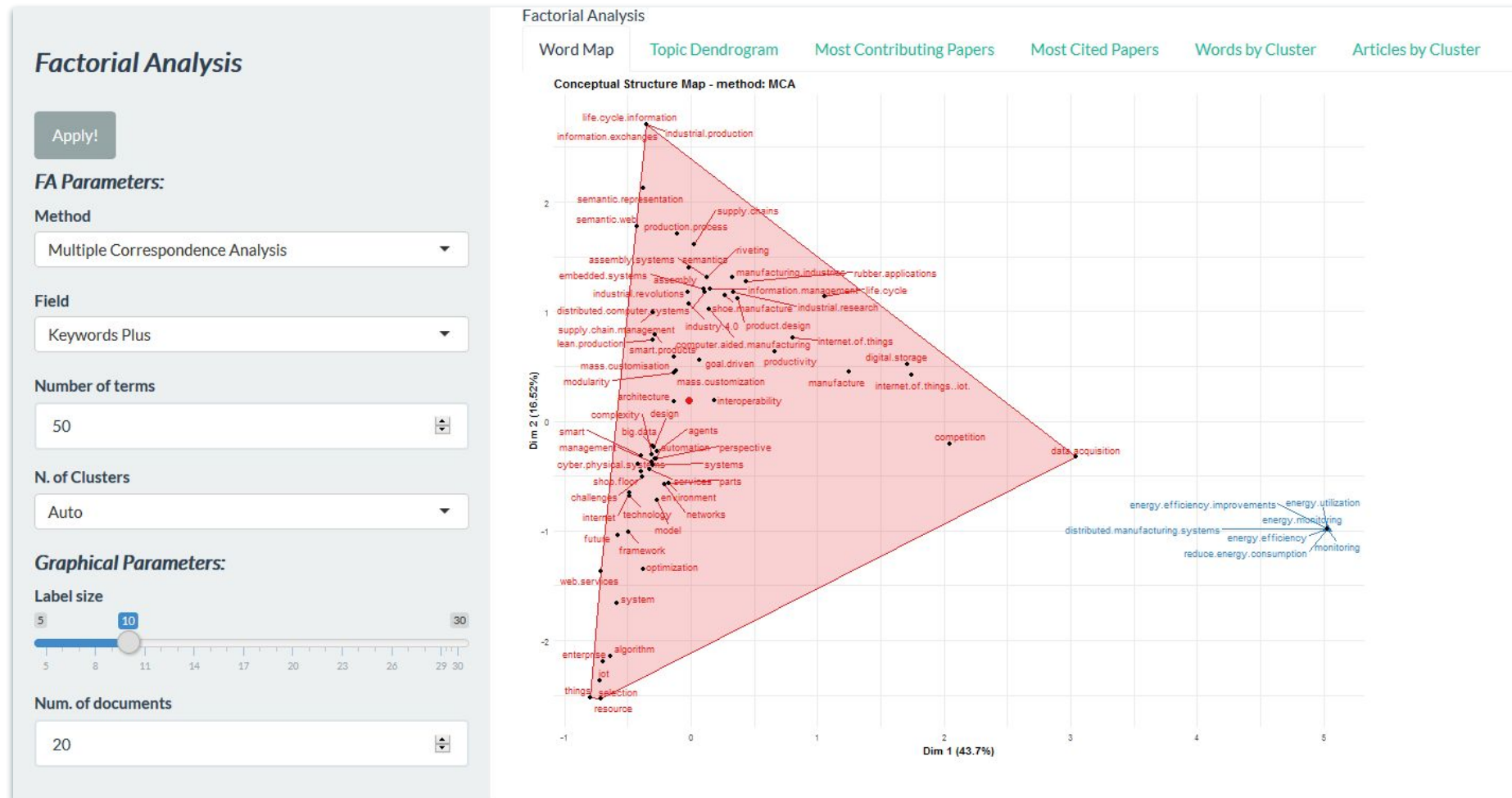
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Biblioshiny()

Biblioshiny()

Biblioshiny()

Biblioshiny()

Links, materiais e referências

- Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, *Journal of Informetrics*.

- Site oficial: http://bibliometrix.org/

- CRAN: https://cran.r-project.org/web/packages/bibliometrix/

- Tutorial Biblioshiny: http://bibliometrix.org/biblioshiny/

- Arquivos: https://github.com/icaroagostino/bb

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