

Universidade de São Paulo
Instituto de Ciências Matemática e de Computação
SSC 5905 - Revisão Sistemática

Dicas para Buscas de Estudos Primários durante a Condução da Revisão Sistemática

Milena Guessi

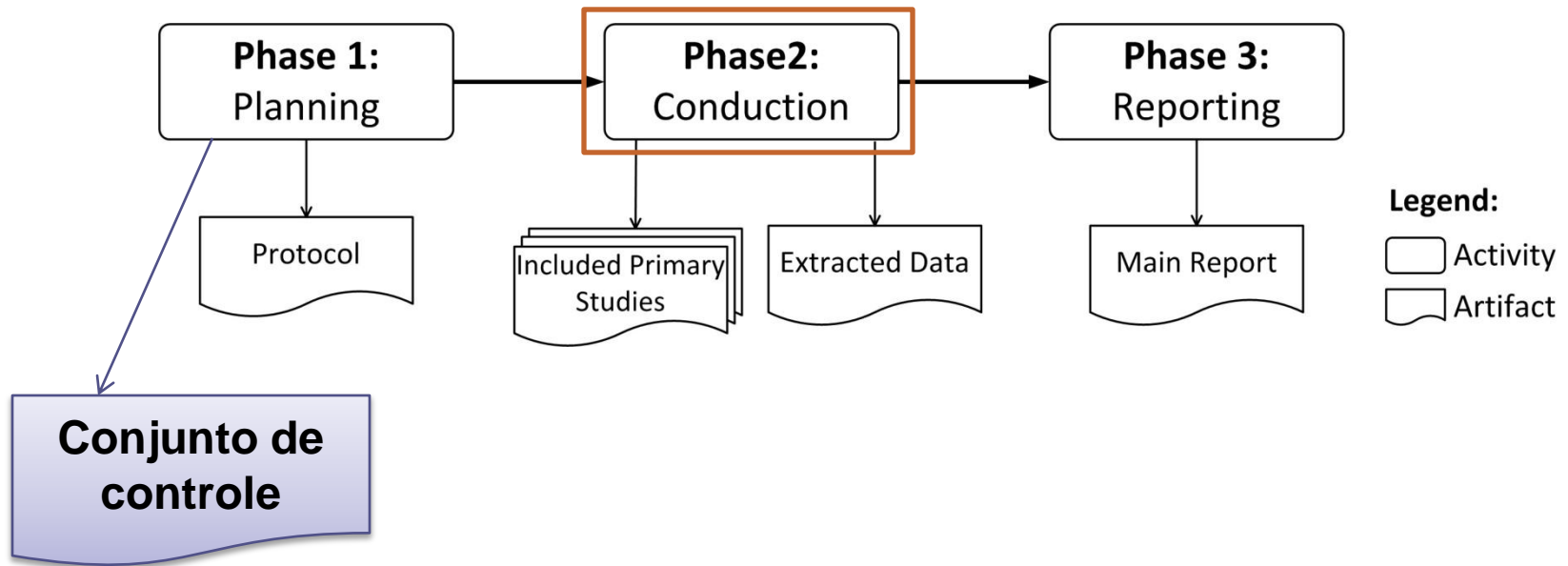
Profa. Dra. Elisa Yumi Nakagawa

1. Semestre de 2013

Roteiro

- Visão geral do processo
- Passos
- Ferramentas de Apoio
- Dicas sobre a seleção
- Conclusão

Visão geral do processo



Passos

1. Customizar a string de busca para cada base
 1. Fechar termos compostos com aspas
2. Testar a string em cada base
 - *Verifique se os resultados são compatíveis com o que você espera*
3. Exportar resultados das bases

Customização da string para cada base

- Usar opção de pesquisa avançada
 - Opção para restringir busca ao título, resumo e palavras-chave
 - **DICA: escreva em um editor de texto simples**

Base	Formato	Link
ACM	((Title:(string)) or (Abstract:(string)) or (Keywords: (string))) Obs: nessa base and e or usar minúsculos	http://dl.acm.org/
IEEE Xplore	-	http://ieeexplore.ieee.org/
ISI Web of Science	TI=(string) OR TS=(string)	http://apps.isiknowledge.com/
Science Direct	TITLE-ABSTR-KEY(string)	http://www.sciencedirect.com/
Scopus	TITLE-ABS-KEY(string) Obs: Troque as "" por {}	http://www.scopus.com/
SpringerLink	-	http://www.springerlink.com/

Exemplo

- Revisão sistemática conduzida em 2012
 - String:
(representation **OR** description) **AND**
("embedded") **AND**
("software architecture" **OR** "architecture model" **OR** "architectural model" **OR**
"reference architecture" **OR** "reference model" **OR** "architecture framework")
 - 248 estudos primários únicos
 - 22 incluídos na revisão sistemática

Database	Recovered	Included	Index Rate	Precision Rate
ACM DL	14	1	5%	7%
IEEE Xplore	140	18	82%	13%
ScienceDirect	3	0	0%	0%
Scopus	103	7	32%	7%
SpringerLink	10	0	0%	0%
Web of Science	70	6	27%	9%

Index rate: included/total included
Precision rate: included/recovered

ACM

String formatada:

(Title:((representation or description) and (“embedded”) and (“software architecture” or “architecture model” or “architectural model” or “reference architecture” or “reference model” or “architecture framework”)) **or**
Keywords:((representation or description) and (“embedded”) and (“software architecture” or “architecture model” or “architectural model” or “reference architecture” or “reference model” or “architecture framework”))
or Abstract:((representation or description) and (“embedded”) and (“software architecture” or “architecture model” or “architectural model” or “reference architecture” or “reference model” or “architecture framework”)))

ACM

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ACM DL DIGITAL LIBRARY

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- **New Journal: ACM Transactions on Economics and Computation**
ACM's newest journal, [ACM Transactions on Economics and Computation \(TEAC\)](#) focuses on the intersection of computer science and economics. [Vincent Conitzer](#) and [Randolph P. McAfee](#) are the co-Editors-in-Chief. Read more about the journal in the [editors' introduction](#), and [view the home page in the ACM Digital Library](#).

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ACM Journal on Emerging Technologies in Computing Systems (JETC)
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[Volume 10 Issue 2](#)

ACM Transactions on Asian Language Information Processing (TALIP)

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1 [Integration, the VLSI Journal: Volume 1 Issue 4](#)

[L. Spaanenburg](#)

March 1984 Integration, the VLSI Journal

Publisher: Elsevier Science Publishers B. V.

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Downloads (Overall): 1, Citation Count:

2 [Organizational Culture and Effectiveness: Can American Theory Be Applied in Russia?](#)

[Carl F. Fey](#), [Daniel R. Denison](#)

November 2003 **Organization Science**, Volume 14 Issue 6

Publisher: INFORMS

Full text available: [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

This paper examines the link between organizational culture and effectiveness for foreign-owned firms operating in Russia. Beginning with a model of organizational culture developed in the United States, the paper presents a multimethod analysis of culture ...

Keywords: Effectiveness, Organizational culture, Russia, Transition economies

3 [Improving airborne communication networks through situational adaptation](#)

[Hugh Nguyen](#), [Naomi Ramos](#), [Calvin Vu](#)

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IEEE Xplore

- String formatada:
((representation OR description) AND (embedded) AND ("software architecture" OR "architecture model" OR "architectural model" OR "reference architecture" OR "reference model" OR "architecture framework"))

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Operators need to be in all caps
– i.e. AND/OR/NOT/NEAR.

Asterisk wildcards cannot be
used within quotes or with the
NEAR/ONEAR operators.

There is a maximum of 15
search terms.

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ISI Web of Science

- String formatada:

TI=((representation or description) AND (embedded) AND ("software architecture" OR "architecture model" OR "architectural model" OR "reference architecture" OR "reference model" OR "architecture framework")) OR TS=((representation or description) AND (embedded) AND ("software architecture" OR "architecture model" OR "architectural model" OR "reference architecture" OR "reference model" OR "architecture framework"))

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Search

AND

AND

Example: oil spill* mediterranean

in

Example: O'Brian C* OR OBrian C*

in

[Select from Index](#)

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

in

[Select from Index](#)

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Search

Clear

Searches must be in English

Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan

☒ All years

☐ From 1900 to 2013 (default is all years)

Results Settings

Science Direct

- String formatada:

TITLE-ABSTR-KEY((representation or description) AND (embedded) AND ("software architecture" OR "architecture model" OR "architectural model" OR "reference architecture" OR "reference model" OR "architecture framework"))

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Search tips

Search (Enter terms using Boolean connectors e.g. "heart attack" AND stress)

Include
☒ Journals ☒ All Books

Source
All sources

Subject (select one or more)
- All Sciences -

Hold down the Ctrl key (or Apple Key)

Scopus

- String formatada:

TITLE-ABS-KEY((representation or description) AND (embedded) AND ("software architecture" OR "architecture model" OR "architectural model" OR "reference architecture" OR "reference model" OR "architecture framework"))



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Operators
AND
OR
AND NOT
PRE/

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Double click or press "enter" to add to advanced search.

Springer

- String formatada:
((representation or description) AND (embedded) AND ("software architecture"
OR "architecture model" OR "architectural model" OR "reference
architecture" OR "reference model" OR "architecture framework"))

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where the author / editor is

e.g., "H.G. Kennedy" or Elvis Morrison

Show documents published

between and

 Include Preview-Only content ☒

Teste da string

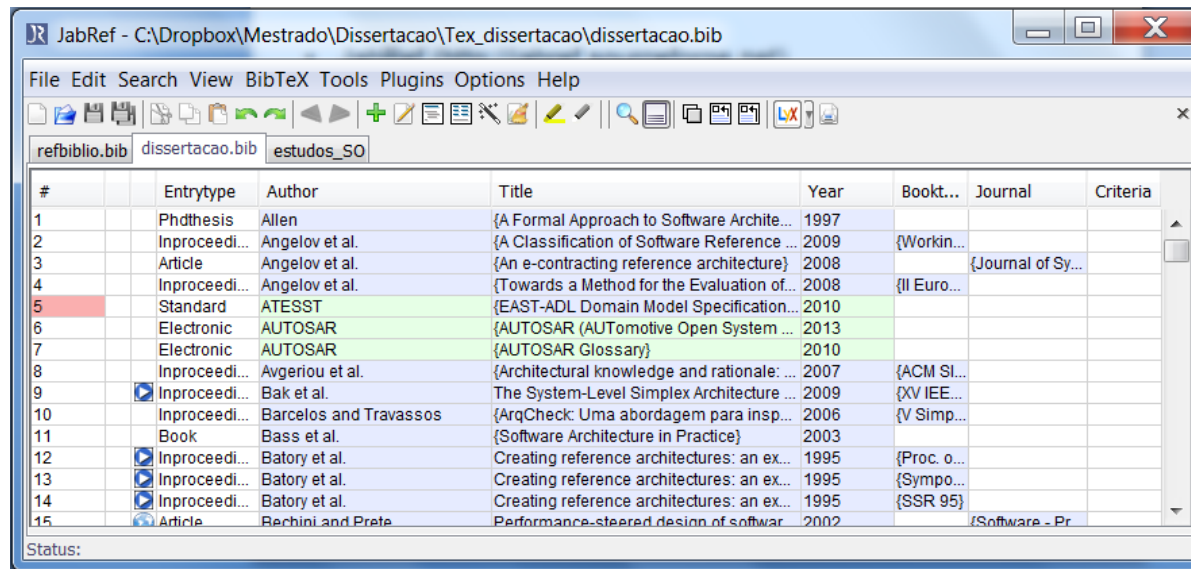
- Antes de extrair, verifique os estudos recuperados:
 - Os estudos trazem todas as palavras-chave?
 - Os termos compostos foram recuperados separadamente?
 - O grupo de controle foi retornado?
 - Se não, há uma justificativa para isso?
 - Ex: muito recente, divulgado internamente, capítulo de livro
 - Pode ser preciso alterar a string

Exportação dos estudos recuperados

- Verificar em cada base procedimento disponível
 - Automático ou manual
 - Manualmente: ACM e Springer
 - Exportar como .bib, .cvs, dentre outros
- Utilizar uma ferramenta de apoio para gerenciar os estudos

Ferramentas de Apoio

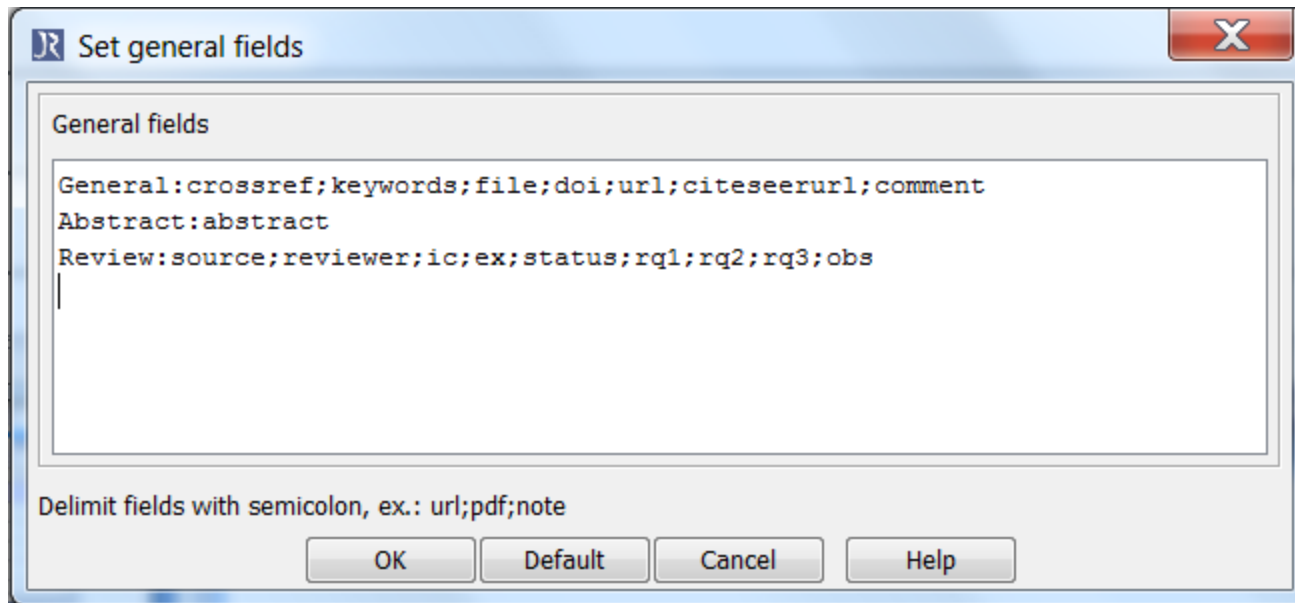
- JabRef (<http://jabref.sourceforge.net>)



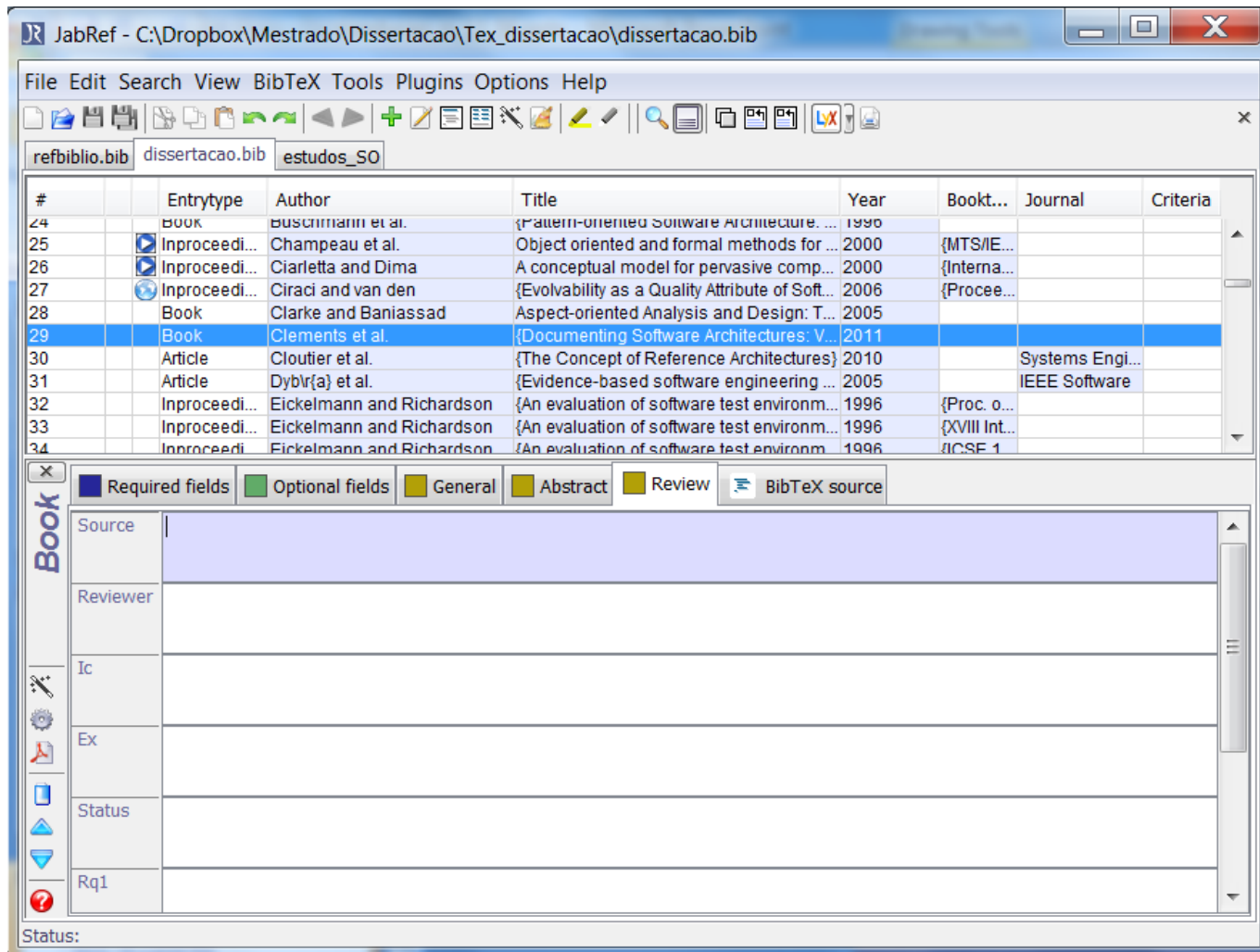
- Mendeley
 - Estilo diretório, compartilhamento de artigos
- Excel
- Zotero: <http://www.zotero.org/>

JabRef: Customização para revisão sistemática

- Customização da ferramenta para a condução da revisão:
 - Options > Set up general fields

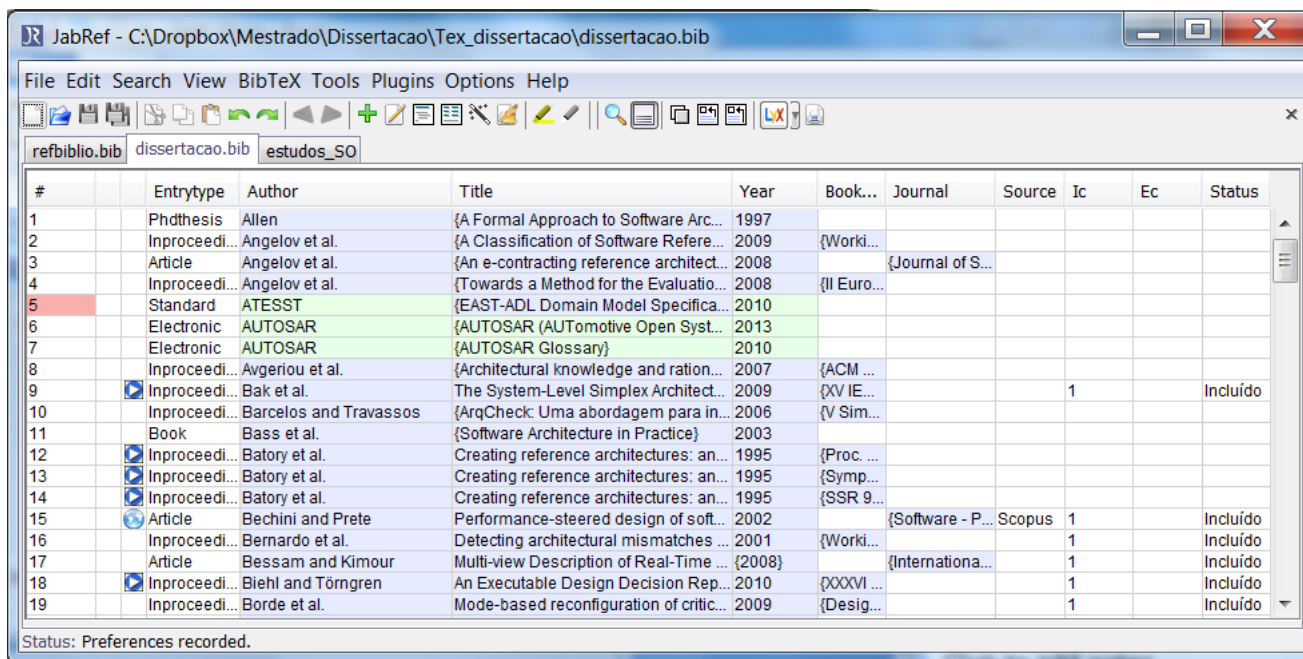


JabRef



JabRef

- Customização da ferramenta para a condução da revisão:
 - Options > Preferences > Entry table columns
 - Adicione os campos adicionados anteriormente



JabRef

- Vantagens:
 - Referências bibliográficas prontas
 - Compartilhar configuração entre diferentes revisores
 - Maioria das bases exportam no formato .bib
 - Fácil de usar, buscar e filtrar estudos

Dicas sobre a seleção

- Primeira etapa:
 - Inclusão/exclusão baseada na leitura de título e resumos
 - Se não ficar claro se deve incluir/excluir, adicionar o estudo na segunda etapa
- Segunda etapa:
 - Inclusão/exclusão baseada na leitura completa
 - Se ainda não ficar claro, levar para discussão (opinião de especialistas)

Dicas sobre a seleção

- Não apague os resultados da primeira etapa
 - Também é importante para a visualização
 - Interessante saber em quais estudos houve divergência e quais deles foram incluídos no final
- Na segunda seleção, já faça anotações sobre o estudo incluído
 - Se necessário, **justifique** suas decisões de seleção (ex: o que ficou vago, por quê decidiu excluir)
- Após finalizar a extração dos estudos incluídos, verifique se já referências interessantes que não foram recuperadas anteriormente
- Registre todos os critérios de inclusão e exclusão que se aplicam a um determinado estudo

Conclusão

- Ter um protocolo bem definido é essencial
 - Buscar antecipar possíveis problemas/dúvidas
 - Detalhar informações que devem ser extraídas para cada questão e adicionar no formulário de extração
 - Imagine nas quais conclusões gostaria de chegar
- Registre suas decisões
- Procure tirar suas dúvidas antes de começar a condução
 - Pode resultar em retrabalho!

Dúvidas?

Boa leitura 😊