

PALESTRA REVISÃO MULTIVOCAL

QUARTA-FEIRA

16.12 DE 08H ÀS 09H

TIAGO BELTRÃO
DOUTORANDO CESAR SCHOOL

Referências

- The need for multivocal literature reviews in software engineering: complementing systematic literature reviews with grey literature, **Garousi (2016)**
- Guidelines for including grey literature and conducting multivocal literature reviews in software engineering, **Garousi (2019)**
 - Adaptado de Kitchenham and Charters.

O que é?

Uma **Revisão Multivocal da Literatura (MLR)** é uma forma de Revisão Sistemática da Literatura (SLR) que inclui a **literatura cinza** (por exemplo, posts em blogs, vídeos e white papers), além da literatura publicada (formal).

Por que fazer?

- Dependendo do assunto e do momento, podem haver mais informações na literatura cinza que na literatura formal

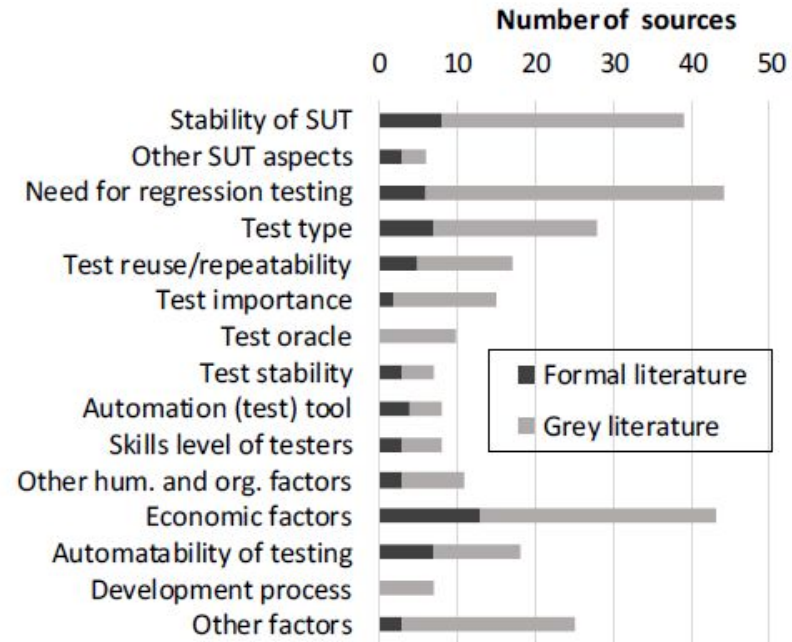


Figure 2-A major output of the MLR on ManAutoTest

Garousi (2016)

Por que fazer?

- Ora a academia, ora a indústria lideram a pesquisa em determinada área.

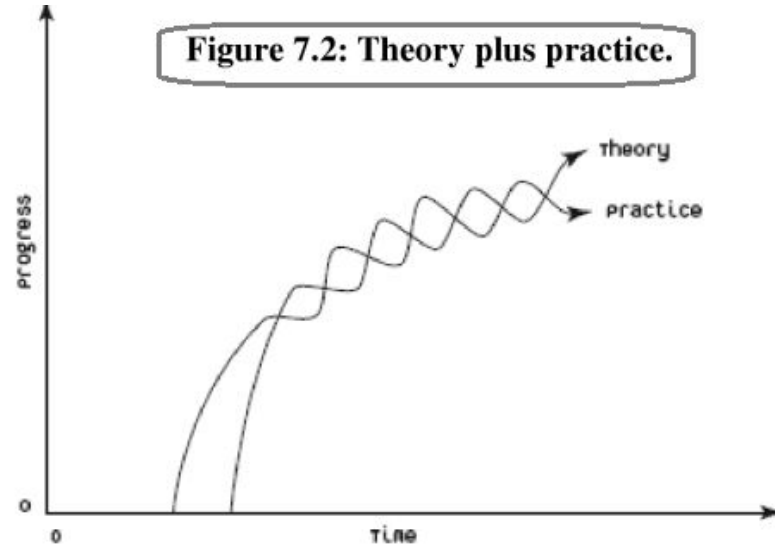
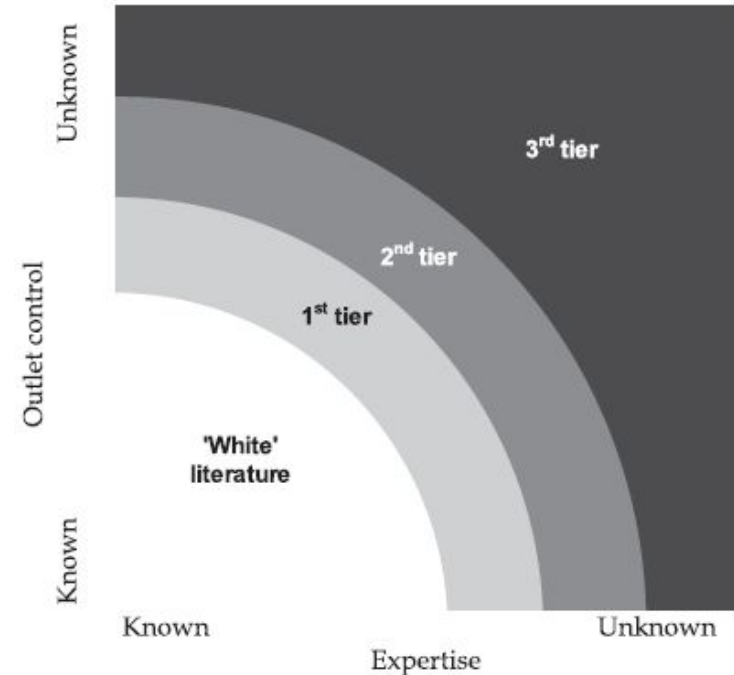


Figure 5-A figure adopted from the “Software Creativity 2.0” book by Glass and DeMarco [4]

Garousi (2016)

Bases de dados utilizadas

White Literature	Gray Literature
IEEE Science Direct ACM Springer Scopus WebOfScience Dblp	Nível 1 Arxiv.org Google White Papers IBM White Papers Microsoft White Papers Nível 2 StackOverflow Nível 3 Medium Kdnuggets



Tons de Cinza. Adams (2016)

ArXiv.org

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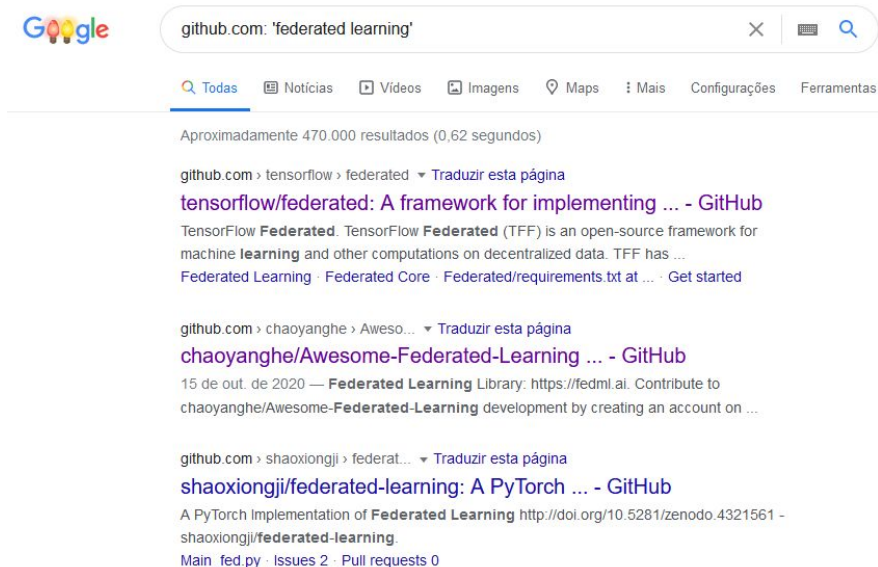
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- **Moderação ≠ Revisão por pares**

On The Job

Como Fazer buscas?

- Utilizando o Google e pesquisando nas bases escolhidas
 - Exemplo: “github.com: ‘federated learning’”



Quando Parar?

De acordo com Garousi (2019):

- Saturação teórica, ou seja, quando não surgem mais novos conceitos a partir dos resultados da busca.
- Esforço limitado, ou seja, incluir apenas os melhores resultados do mecanismo de busca N.
- Esgotamento das evidências.

Automação

- Apresentar on the job em Python realizando busca com google

Base do ArXiv disponível no Kaggle

- <https://www.kaggle.com/Cornell-University/arxiv>
 - Atualizada semanalmente
 - ~2Gb em um Json
- `id` : ArXiv ID (can be used to access the paper, see below)
 - `submitter` : Who submitted the paper
 - `authors` : Authors of the paper
 - `title` : Title of the paper
 - `comments` : Additional info, such as number of pages and figures
 - `journal-ref` : Information about the journal the paper was published in
 - `doi` : [<https://www.doi.org>](Digital Object Identifier)
 - `abstract` : The abstract of the paper
 - `categories` : Categories / tags in the ArXiv system
 - `versions` : A version history

Base do ArXiv disponível no Kaggle

- Apresentar on the job em Python para realizar busca na base

Referências

- The need for multivocal literature reviews in software engineering: complementing systematic literature reviews with grey literature, **Garousi (2016)**
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Dúvidas?!

https://github.com/tblacerda/MLR_onthejob

tbl@cesar.school