

OPEN SCIENCE E A PESQUISA EM ECONOMIA, ADMINISTRAÇÃO E CONTABILIDADE

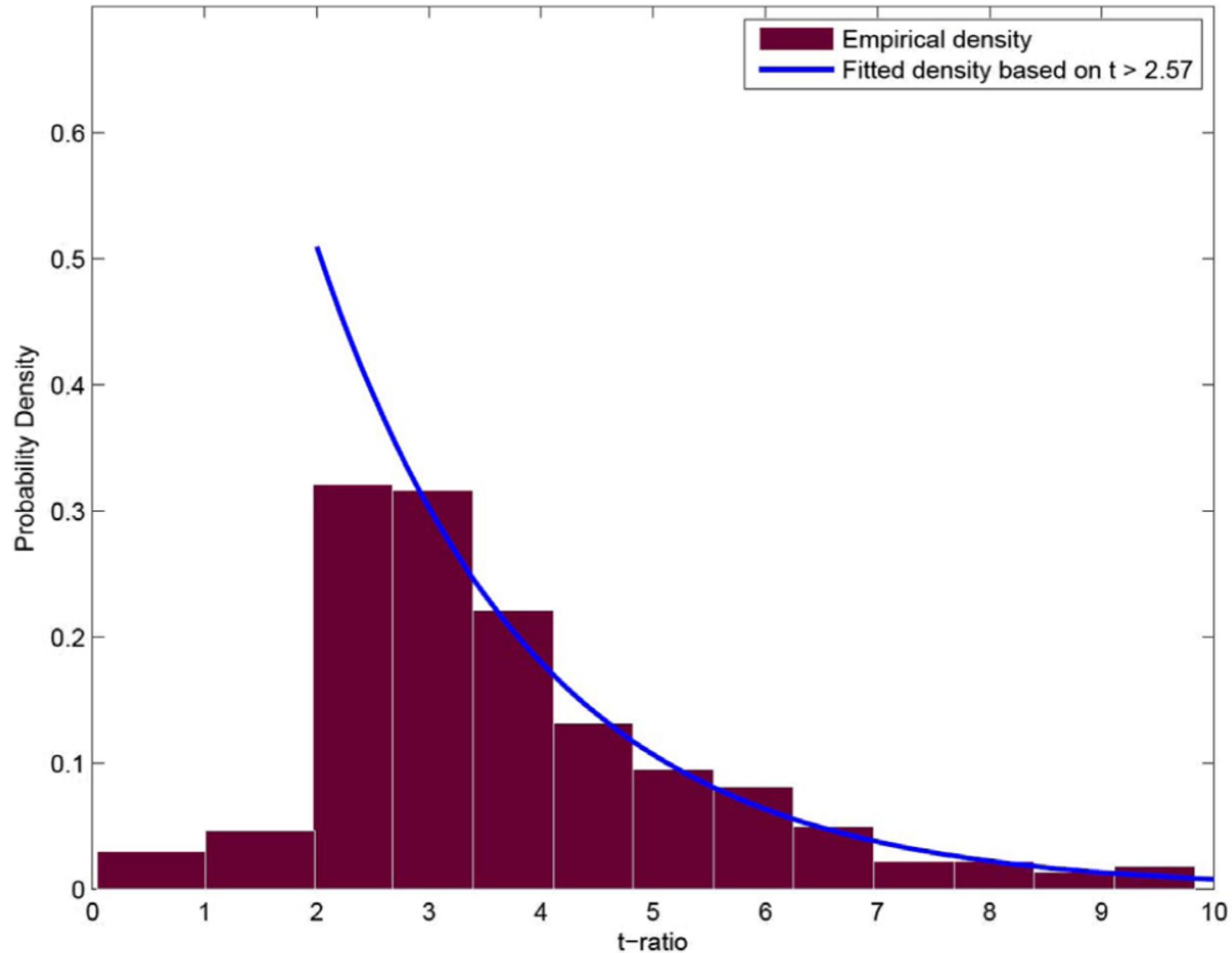
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Qual o problema?

**Problema maior é
Pulication-bias**



Qual o problema?

III. *P*-hacking

As I mention in the introduction, editors' focus on publishing the most significant results can induce authors not to submit articles with weak results or to cherry-pick the results that they submit to a journal, that is, to engage in *p*-hacking. Focusing here on the latter, there are many forms of *p*-hacking, with some more egregious than others. For example, running thousands of correlations and reporting only the most significant one constitutes academic fraud. Such a practice is red flagged by the American Statistical Association (2016) and is contrary to the American Finance Association's *Code of Professional Conduct and Ethics*. A more subtle version of this type of *p*-hacking is studying correlations among, say, 11 variables and choosing to report only 10 of the correlations. Unfortunately, not reporting all variables examined in empirical work is commonplace in financial economics.

Harvey 2017 JF

Hypothesizing After Results are Known (HARKing)

Hypothesizing after results are known (HARKing) occurs when researchers retroactively include or exclude hypotheses from their study after analyzing the data, that is, post-hoc hypotheses presented as a-priori hypotheses, *without acknowledging having done so* (Kerr, 1998). A key issue regarding HARKing is lack of transparency. Specifically, epistemological approaches other than the pervasive positivistic model, which has become dominant in management and related fields since before World War II (Cortina, Aguinis, & DeShon, 2017), are indeed

Aguinis et al 2017 JIBS

O que é Open Science?

É um movimento internacional, já presente em vários campos de pesquisa, para tornar a pesquisa acadêmica mais transparente, acessível e relevante. Além de aumentar o seu impacto na sociedade.

É uma quebra de paradigmas do modelo de pesquisa tradicional.

O que é Open Science?

- **FAIR**

- Findable, Accessible, Interoperable and Reusability (Wilkinson et al 2016)
- Machine-site do ecossistema

- **Open access é a prática mais conhecida**

- Algumas revistas são abertas por definição
- Autores pagam para que seu artigo tenha acesso livre

- Mas existem outras práticas de OS...

Vantagens (temporárias provavelmente)

- Artigos com dados abertos têm mais citações (Drachen and Ellegaard, 2016; McKiernan et al. 2016)
- Aumenta impacto (Vandewalle 2012)
- Aumenta reputação e reprodutibilidade

Alinhamento com as melhores práticas de pesquisa



OPEN MATERIALS



PREREGISTERED



OPEN DATA

Open Data

- Prática de se deixar os dados de uma pesquisa aberta ao público,
- Dados são depositados em um repositório público,
- Dados recebem um DOI e, portanto, podem ser citados,
 - Cientista de análise dados vs. Cientista de produção de dados
- Como funciona?
 - Autor pode disponibilizar a qualquer momento os dados em repositório a escolher.
 - Mas, geralmente, se disponibiliza após o artigo ser aceito. Artigo e dados ficam, de alguma forma, vinculados. Leitores podem acessar os dados e verificar os resultados do artigo.

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COVID-19 Data Collection

A curated collection of COVID-19 data deposited in the Harvard Dataverse

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ALL DATA >

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Datasets from other dataverses

<https://dataverse.harvard.edu/>

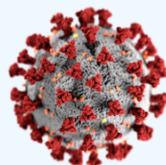
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COVID-19 related communities



Coronavirus Disease Research Community - COVID-19

This community collects research outputs that may be relevant to the Coronavirus Disease (COVID-19) or the SARS-CoV-2. Scientists are encouraged to upload their outcome in this collection to facilitate sharing and discovery of information. Although Open Access articles and datasets are...

Curated by: Covid19_Team_OpenAIRE

Featured uploads related to COVID-19

July 30, 2020 (v20200622-clean) Dataset Open Access
Uncertainty in times of COVID-19: Raw survey data

Lange, Fabian; Vilhuber, Lars; Gordon, Nicholas

Data from a survey of consumer expectations From April 24, 2020, through June 22, 2020, Fabian Lange and Lars Vilhuber conducted the survey "Uncertainty in COVID-19 times". The survey is a...

Uploaded on August 4, 2020

May 14, 2020 Dataset Open Access
Open Access of COVID-19 related publications in the first quarter of 2020: a preliminary study based in PubMed

Arrizabalaga, Olatz; Otaegui, David; Vergara, Itziar; Arrizabalaga, Julio; Mendez, Eva

Underlying data of the article: "Open Access of COVID-19 related publications in the first quarter of 2020: a preliminary study based in PubMed". Version 1 and Version 2 (after Unpaywall update)....

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Well-being and Productivity of Software Professionals during a Pandemic

Russo, Daniel; Hanel, Paul; Altnickel, Seraphina; Van Berkel, Niels

The COVID-19 pandemic has forced governments worldwide to impose movement restrictions on their citizens. Although critical to reducing the virus' reproduction rate, these restrictions come with...

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Most Cited Special Issues

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[ier.com/data-in-brief](https://www.data-in-brief.com/data-in-brief)



North American Journal of Economics and Finance

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Datasets associated with articles published in **North American Journal of Economics and Finance**



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DATA TYPES

- Dataset (21)
- Tabular Data (10)
- File Set (6)
- Other (3)
- Software/Code (3)
- Document (2)

SOURCE

- Mendeley Data (21)



Data for: How CEO narcissism affects earnings management behaviors

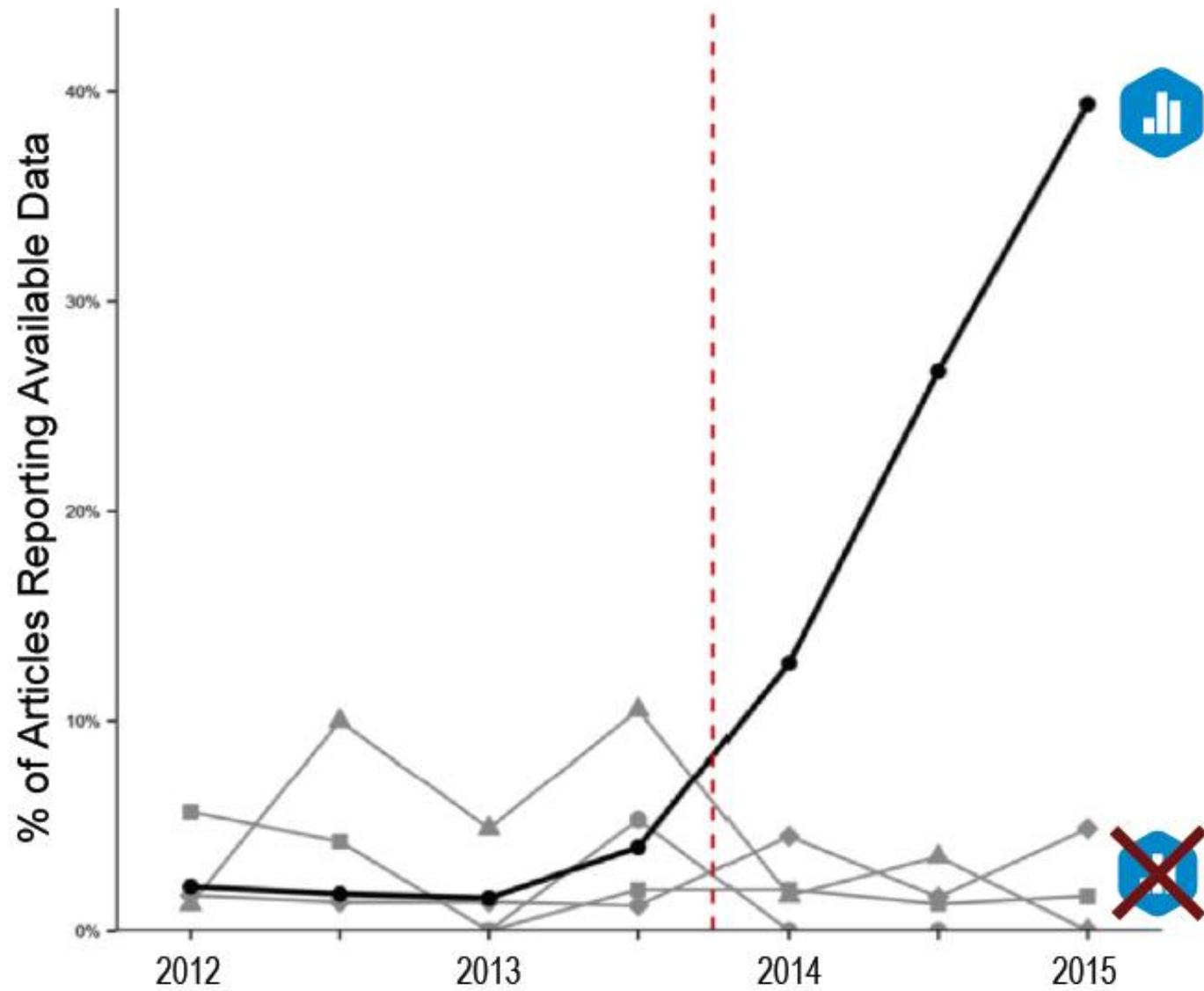
Contributors: Lin Sheng Wei

Date: 2019-10-09

This study examined whether CEOs' narcissistic tendencies prompt them to manipulate earnings to achieve the earnings threshold. On the basis of existing literature (Marquez-Illescas et al., 2018; Olsen et al., 2013), this study used a four-item index to construct the rating system for CEO narcissism (): (a) the prominence of the CEO's photograph in annual reports, (b) the prominence of the CEO's photograph in corporate social responsibility (CSR) reports, (c) the CEO's cash compensation, and (d) the noncash compensation of the CEO relative to other top executives at the same company. Our rating system incorporated CEOs that appear in photographs in annual and CSR reports. CSR reports follow widely adopted global guidelines set by the Glob...

Data Types:

Tabular Data Dataset



<https://www.cos.io/our-services/badges>

Open Data

- **Maioria dos journals *convida*, mas não *requer*, compartilhamento de dados.**
- **É requerido um *statement* dos autores durante submissão.**

- **Hoje o equilíbrio é:**
 - “Todos dados são fechados, exceto situações especiais (projeto Genoma, COVID, etc.).”
- **O equilíbrio parece estar caminhando para:**
 - “É tudo aberto, exceto situações especiais (risco de vida dos participantes, dados ultra-sensíveis, menores de idade, etc.)”

Reuso de dados

Câncer é descoberto pela 1ª vez com análise em fóssil de dinossauro

Estabelecimento de vínculos com doenças do passado pode ajudar os cientistas a entenderem melhor a evolução e a genética de várias enfermidades.

Por G1

03/08/2020 19h30 · Atualizado há 15 horas



- **Vinculado a Dados Abertos, Reuso de dados é a prática de utilizar dados de uma pesquisa já publicada para:**
 - Re-testar hipóteses a fim de revalidá-las
 - Testar hipóteses alternativas
 - Ou testar novas hipóteses
- **Por definição, dados reusados precisam ter sido utilizados em pesquisa já publicada e serem abertos.**
- **Dois artigos semelhantes publicados com mesma base de dados não é Reuso, é *Salami Science* (Mendes-Da-Silva e Leal, 2021)**

Open Coding (or materials)

- Prática de disponibilizar códigos e demais protocolos de pesquisa de forma livre em depositórios
- Da mesma forma que dados abertos, códigos abertos também recebem um DOI e podem ser citados (mas isso é menos comum)
- Objetivo aqui é eliminar riscos de erro de pesquisa e, portanto, de resultados incorretos.
- Alguns journals pedem código durante etapas de revisão para que editores possam auditar resultados, mas isso é menos comum em ciências sociais

Parênteses (sobre qualidade dos códigos e gestão dos dados de pesquisa)

Códigos e bases tipicamente não são bem geridos por parte dos pesquisadores.

Não recebemos treinamento para escrever códigos “clean” e fazer “data management”. Precisamos mudar isso.

Se o seu orientador “bate o olho” e não entende o que você está fazendo, melhor limpar seu código.

Open Peer-review

The screenshot displays the F1000Research website interface. At the top, there is a navigation bar with the F1000Research logo, a search bar, and a 'SUBMIT YOUR RESEARCH' button. Below the navigation bar, there are menu items for 'BROWSE', 'GATEWAYS & COLLECTIONS', 'HOW TO PUBLISH', 'ABOUT', 'BLOG', 'MY RESEARCH', and 'SIGN IN'. The main content area features a breadcrumb trail: 'Home » Browse » Willingness-to-pay for a hypothetical Ebola vaccine in Indonesia:...'.

The article title is 'Willingness-to-pay for a hypothetical Ebola vaccine in Aceh [version 2; peer review: 3 approved, 1 not approved]'. The authors listed are Mudatsir Mudatsir, Samsul Anwar, Jonny K. Fajar, Amanda Yufika, Muhammad N. Ferdian, Salwiyadi Salwiyadi, Aga S. Imanda, Rouly Azhars, Darul Ilham, Arya U. Timur, Juwita Sahputri, Ricky Yordani, Setia Pramana, Yogambigai Rajamoorthy, Abram L. Wagner, Kurnia F. Jamil, and Harapan Harapan.

The 'Open Peer Review' sidebar on the right shows the 'Reviewer Status' as '3 approved, 1 not approved'. It includes a 'Reviewer Reports' table with columns for reviewer numbers 1, 2, 3, and 4, and rows for 'Version 2 (revision)' and 'Version 1'. The table shows that Version 2 was read by reviewers 3 and 4, while Version 1 was read by all four reviewers, with reviewer 2 not approving it.

Below the table, a list of reviewers is provided:

- Roger Chun-Man Ho, National University of Singapore, Singapore, Singapore
- Jing-Xin Li, Jiangsu Provincial Center for Disease Control and Prevention, Nanjing, China
- Trung Quang Vo, Pham Ngoc Thach University of Medicine, Ho Chi Minh City, Vietnam
- Brian Godman, University of Strathclyde, Glasgow, UK

<https://f1000research.com/articles/8-1441>

Pre-print

- **É a publicação imediata de uma pesquisa antes de passar através da revisão pelos pares.**
- **Agiliza o processo de divulgação dos resultados da pesquisa. É uma forma de se atualizar rapidamente.**
- **Naturalmente, resultados são menos “confiáveis” (ao menos temporariamente).**

Pré-registro de pesquisa

- **Autores submetem um projeto de pesquisa a pré-registro,**
 - Projeto de pesquisa geralmente contém: introdução, referencial e, mais importante, design empírico.
 - Coleta de dados ainda não foi feita e nenhum modelo foi estimado
 - Projeto de pesquisa passa por avaliação tradicional pelos pares
 - Journal pode aceitá-lo ou não.
 - Se aceito, a pesquisa fruto do projeto é publicada independente do resultado (seja significativo ou não).
 - Autores se comprometem a cumprir o protocolo definido no projeto.

Artigos-tutoriais

Nota pessoal:

- 1) Artigos-tutoriais ajudam a divulgação de técnicas de pesquisa,
- 2) Consolida melhores práticas de pesquisa
- 3) Diminui erros, aumenta transparência

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Author Name

Albertin, A.L. (1)

Alex Ferreira Gonçalves (1)

Alfinito, S. (1)

Amaral, Marcelo (1)

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Replication Data for: Mapping Organizational Culture Schemas Based on Correlational Class Analysis: A Tutorial 



Jul 28, 2020

Luciano Rossoni; Clayton Pereira Gonçalves; Mônica Pereira da Silva; Alex Ferreira Gonçalves, 2020, "Replication Data for: Mapping Organizational Culture Schemas Based on Correlational Class Analysis: A Tutorial", <https://doi.org/10.7910/DVN/UHZFBO>, Harvard Dataverse, V1, UNF:6:lpDXyrShm7+epa4tuaJJA== [fileUNF]

Context: organizational culture tends to be investigated based on organizational consensus degree, even when it is seen as shared meanings. However, sharing meanings does not imply having the same opinions. On the contrary, there may be agreement on which cultural elements are re...

Replication Data for: A GARCH Tutorial with R 



Jul 9, 2020

Marcelo Perlin; Mauro Mastella; Daniel Vancin; Henrique Ramos, 2020, "Replication Data for: A GARCH Tutorial with R", <https://doi.org/10.7910/DVN/C4WHUJ>, Harvard Dataverse, V1

Context: Modelling Volatility is an advanced technique in financial econometrics, with several applications for academic research. Objective: In this tutorial paper we will address the topic of volatility modeling in R. We will discuss the underlying logic of GARCH models, their...

Replication Data for: A Tutorial for Modeling Real Options Lattices from Project Cash Flows 



Jun 22, 2020

Marques, N. I. ; Bastian-Pinto, C. ; Brandão, I. ; 2020, "Replication Data for: A Tutorial for Modeling Real Options Lattices from Project

Conclusão

Sugestão para quem está começando carreira agora:

Aderir às práticas rapidamente,

Conhecer as diferentes **alternativas de depositórios,**

Entenda que a prática de pesquisa **não está** se tornando **mais fácil**, e sim mais **transparente...**

...então, aumenta a necessidade de se fazer **pesquisa de qualidade...**

... Pois nossa pesquisa será cada vez mais pública.