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Abstract

The motivation behind this paper is to assess crucial ethical worries in the India field of library and information science. The fundamental ethical standards in the field of library and information science are canvassed in this paper including free and open admittance to information, protected innovation privileges, copyright and fair use, and security and privacy. The production of assortments, restriction, protection, reference administrations, copyright, regulatory issues, information access, challenges with innovation, and issues with clashing loyalties are only a couple of the ethical issues that are canvassed in this segment for those

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functioning in the library and information science fields. It looks at how social utility, endurance, social obligation, and regard for distinction impact ethical choices in the information callings. It likewise thinks about proficient contemplations in ethical conversations, for example, sets of rules for experts and the goals that support ethical principles of expert exercises, like equity, truth, and excellence.

Keywords: Ethical, Aspects, Science, Library, Practice, Information

1. INTRODUCTION

Because of their expanded gifts to deal with an assortment of information things such that assists everybody, experts in the field of library and information science with playing an exceptionally huge job in the public eye. In any case, library and information experts are supposed to embrace standards like genuineness, honesty, transparency, obligation, regard, reasonableness, value, and equity to offer quality types of assistance to the general population (ALA, 2009; Rublin and Froehlich, 2011). Beside this, it is fundamental for experts in the library and information sciences to exhibit strong ethical information and practice.

Numerous expert associations and gatherings have described their ethical structures as comprising of various particular parts (Whitebeck, 1998). Notwithstanding, nearby and overall expert associations and affiliations have their own ethical standards and beliefs in the field of library and information science. These expert associations and associations incorporate, among others: the Nigeria Library Affiliation (NLA), the Bookkeepers' Enrollment Board of Nigeria (LRCN), the Worldwide Alliance of Library Associations (IFLA), the American Library Affiliation (ALA), and the Global Organization of Library Affiliations (IFLA).

Scholarly opportunity, equivalent admittance to information, information security, and licensed innovation privileges are among the basic ethical ideas focused by these expert associations and affiliations (Falis, 2005). The calling of librarianship and information science in Nigeria depends on these ethical beliefs. It gives guidance for bookkeepers and information experts as they do their honest convictions to the overall population.

The India Library Affiliation and other expert affiliations like IFLA and ALA, as well as the ALA's overarching set of principles for custodians, act as rules for library and information

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science laborers in Nigeria (ALA, 2009). The ethical norms of different affiliations and expert associations do, nonetheless, territory somewhat. Koehler, Hurych, Give, and Wall, for example, noticed that despite the fact that there are varieties in the ethical norms of library affiliations and expert bodies, there is for the most part expansive agreement with respect to what the standards are. For example, the callings of librarianship and information science maintain the beliefs of scholarly opportunity and oversight, insurance of clients' all in all correct to protection and secrecy, and regard of protected innovation privileges (ALA, 2009).

In a comparable soul, Mbofung and Popoola (2014) contended that while ethical standards might be general, they are not generally outright and might be dependent upon future developments as conditions direct. Research has become more particular and complex, which has prompted one more headway known as the professionalization of exploration. There are various definitions for the expression "calling." Everybody concurs that it ought to be one's essential paid occupation, require an elevated degree of particular information, and require maintaining sufficient degrees of skill both by and by and all through the expert gathering.

2. REVIEW OF LITREATURE

Profound quality alludes to how things are really done, in actuality, while morals alludes to what is correct and terrible and offers standards to desire. Common decency in one culture may not necessarily in every case be ethically right in another. Profound quality and defilement are comparative with specific human advancements.

Morals are an impression of normal qualities and thoughts at the aggregate level. Albeit every individual is a piece of a wide range of gatherings and societies (like a resident of a particular country and calling, each with its own arrangement of values) inside some random gathering, certain guidelines of what is good and bad are all inclusive. Sets of rules address the standards or guidelines of a calling. Choices about morals are affected by culture, financial elements, and expert morals (Vanasco, 1994). Despite the fact that morals unavoidably require culture, the inverse is likewise obvious (Lobby, 1997).

An expert affiliation's set of rules means the skill and moral person of its individuals and gives them social authenticity (Farrell and Cobbin, 2000; Froehlich, 1997). An expert set of rules 17296

likewise fills in as a vehicle for associating inside the business. The common agreement thought, which is delineated by the connection between the calling and society overall, can be utilized to grasp the reason for an expert set of rules (Farrell and Cobbin, 2000). The two sets of principles guarantee that the members of every calling know about this common agreement and maintain it. Every calling benefits from and has commitments to society.

As indicated by Farrell and Cobbin (2000), Frankel (1989), and Froehlich (1997), there are three distinct kinds of governing sets of principles: optimistic (uplifting), administrative (prescriptive), and educative. Motivational codes put forward an ideal that individuals ought to endeavor to accomplish to urge them to carry on with moral lives. These standards cover the qualities and rules that the gathering thinks should be utilized while arriving at ethical resolutions.

These codes' makers make the suspicion that individuals are ethically disposed essentially. Hence, codes of this sort simply give a verbalization of values; they don't address partners' inclinations, move past the application stage, or attempt to utilize a moral-philosophical legitimization to show up at ethical arrangements like regulations or remedies. Moving norms of morals make a setting where individuals are allowed to ethically act.

Prescriptive sets of principles, interestingly, offer extensive arrangements of rules for moral lead. As well as applying a specific moral way of thinking (utilitarian, individualistic, moral freedoms, or equity) to the assortment of values and standards, these codes determine the social results essential as a response to specific conditions. These codes' regulations give replies to moral problems. Since the ethical quandary is tended to by the standard, people should pick the predetermined gathering reaction to ethical dangers as opposed to arriving at their own ethical decisions.

Schooling related sets of principles are the third classification. These codes offer supports and cases notwithstanding motivational or prescriptive aspects; they "prove their standards with editorial and understandings" (Froehlich, 1997,).

There are numerous library affiliation general sets of principles that are both inspiring and enlightening. In their examination of 37 sets of principles for the information calling, Koehler and Pemberton (2000) found that 35% of them were motivating, 35% were prescriptive, and 30% blended the two. One of only a handful of exceptional exact investigations to focus on LIS

morals is this one. Business morals observational exploration are substantially more predominant. Researchers have been keen on the substance investigation of corporate sets of rules, however undeniably less exploration has been finished on proficient sets of rules. In their investigation of the writing on proficient sets of principles, Farrell, Cobbin, and Farrel (2002) additionally investigated the degree to which proficient affiliations have sets of principles.

3. METHODOLOGY

3.1 An Overview

As the name proposes, a checking writing survey follows a calculated way to deal with discover the degree of the group of writing that is at present open on a specific point. Ansu-Mensah et al. (2019); Munn et al. (2018) express that the motivation behind this is to find and dissect information holes in a specific area (sociologies, information sciences, and general wellbeing). This checking audit is led to distinguish information holes in examinations checking out at the exploration morals and practices in the field of library and information science, drawing on the hypotheses of Munn et al. (2018).

Somewhere in the range of 2011 and 2021, an exhaustive writing search was completed in the Scopus and Library and Information Science Source data sets. Since it was all around perceived that the Scopus and Library and Information Science Source (LISS) data sets had been made to fulfill the scholar, learning, backing, and exploration needs of bookkeepers, information experts, and understudies, their utilization was legitimate. It has ordering for many first rate periodicals and in excess of 460 full-text distributions. LIS contains further assets for subjective information that range librarianship, characterization, inventoring, bibliometrics, online information recovery, information the board, and that's just the beginning. The Scopus data set, then again, was picked since it gives excellent measurements to each title, including h-List, CiteScore, SJR (SCImago Diary Rank), and Cut (Source Standardized Effect per Paper). Around 11,678 distributers added to the data set's approximately 36,377 titles (22,794 dynamic titles and 13,583 idle titles), of which 34,346 are peer-checked on diaries in top-level branches of knowledge like sociologies and wellbeing sciences.

This checking survey was represented by Munn et al. (2018:143), utilizing the structure of AnsuMensah et al. (2019:1) and PRISMA (Favored Detailing Things for Deliberate audits and

Meta-Examinations) by Liberati et al. (2009:5) to keep away from unfortunate detailing of perusing writing survey and to try not to diminish the worth of the audit to information researchers, curators, scientists, and different clients in different settings. For the perusing survey and writing assessments to find concentrate on holes, PRISMA was utilized as a rule (Liberati et al., 2009:5).

PRISMA is habitually utilized in wellbeing research and is by the by relevant to examinations in other point regions or in different circumstances to reliably and precisely sum up various bits of information (Liberati et al., 2009). The means in this checking audit's system are concentrate on determination, information recording, ID of the exploration goals and appropriate examinations, association, synopsis, and revealing of discoveries. Studies' unique circumstance (African sublocales), philosophy (quantitative, subjective, and blended strategies), and thought (research morals in LIS) are among the qualification measures for concentrate on choice.

Table 1: Study selection criteria for the scoping review's eligibility requirements

Inclusion criteria (A)	Exclusion criteria (B)
Research ethics or publication ethics must be	Studies not conducted in African sub-Regions
included either in the study title or in the	
abstract.	
Studies presenting evidence of research ethics	Studies targeting other subject domains
in LIS	
Studies reporting evidence of research design	Studies do not report evidence on research
	ethical practices or publication ethics
Studies must cover investigations within the	Studies not following specified research
African context	design
Studies must be conducted between	Studies not conducted between 2011 to 2021
2011 and 2021	
Studies conducted in the English Language	Studies conducted in the English Language

3.2 Search Process for Relevant Studies in the Databases

The Scopus and LISTA data sets were completely and comprehensively scanned by the creators for all distributions and meeting papers distributed in the English language somewhere in the range of 2011 and 2021 that managed research morals and practices in LIS. Dark writing that was important was browsed references distinguished in the reference arrangements of each and every review that was incorporated. Research morals, LIS and examination morals checking survey, scholastic libraries, and exploration morals challenges were consolidated into a solitary hunt term to track down relevant investigations in the electronic data sets. isolating catchphrases utilizing Boolean hunt terms like "AND" and "OR." On the grounds that English is the most generally communicated in language in sub-Saharan Africa, the pursuit was just directed in that language. The time span for distributions was restricted to 2011 to 2021.

3.3 Range of the Study Selection

Three phases were associated with the evaluating of relevant examinations for the perusing survey.

The Scopus and LISS information bases' appropriate examinations were screened by the first and second creators. The third creator took part in the subsequent stage's theoretical screening, and the fourth creator took part in the third stage's full-text archive screening. The other two authors independently assessed the companion inspected materials utilizing the qualification measures ('comprehensive' and 'select'). The last full-text peer-evaluated materials remembered for the checking audit were settled upon by each of the four essayists. As indicated by the date of the pursuit on every information base, the catchphrases, and the amount of reports recovered, the hunt record was recorded and archived. The adjusted PRISMA flowchart is displayed in Figure 1.

4. RESULTS

The complete number of articles recognized, screened, and picked for qualification as per the flowchart's comprehensive and elite rules for article choice is displayed in this segment (see Figure 1). The relevant exploration that were a piece of the checking survey are introduced in this part. The attributes of each highlighted article are analyzed considering the objective's

subjects. Creator and distribution date, concentrate on title, the review's objective or goal, the review's plan, its area, and its area of center are among the qualities of the distributions that are incorporated

4.1 Presentation of Identified Literature

The Scopus and LISS data sets yielded a sum of 190 articles (178 articles in addition to 12 references). Out of 190 archives tracked down in the two data sets, the larger part (n=157;83%) were from the Scopus data set. Different records came from the LISS information bases, 11.1 percent (n=21), and an extra 6.32 percent (n=12) were articles looked over article references. 56 copy things out of the 190 that were found were taken out. A sum of 134 distributions were explored, yet 64 were disposed of for a particular explanation (they were distributed in other branches of knowledge, they had various themes, and so on.). Thirteen papers were incorporated for the perusing survey out of the 70 full-text articles that were checked for qualification; 57 were disposed of for a substantial explanation Figure 1 portrays the PRISMA-adjusted flowchart of the distinguished and included quantities of distributions for the checking survey.

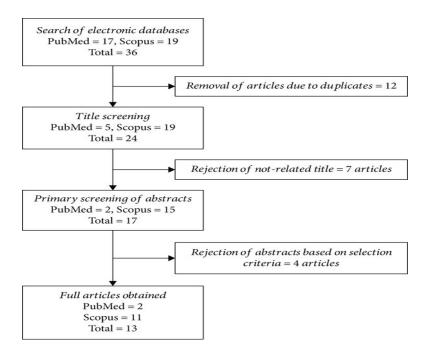


Figure 1: Flowcharts of the Identified Articles from Scopus and LISS

4.2 Presentations of Findings According to the Research Questions

What is the Purpose of Articles Focusing on Research Ethics and Practices in Scopus and LISS Between 2011 and 2021?

This checking audit's inclusion of articles covering research morals and practices incorporates nation or area, subject inclusion, connection, and language of papers distributed somewhere in the range of 2011 and 2021. 75 reports came up in a Scopus look for "Exploration Morals AND practices AND Library and Information Science," which was finished involving Table 1of this distribution as a beginning stage. Considering that all of the companion audited archives found in the two looked through data sets are available in the Scopus data set, Scopus examination was utilized in this perusing survey for information examination and translations. The pursuit observed that most papers were distributed somewhere in the range of 2016 and 2021 (n=63;84%), while some were (n=12;16%) (See Figure 1). Be that as it may, the majority of distributions (n=53; 71% of all distributions) were in fields associated with medication. These included sociologies (n=15; 20%), PC sciences (n=10; 13%), nursing (n=4; 5.3%), and subatomic science (n=3; 4%). A sum of 15 reports have been distributed in the sociologies; of those, 14 have been distributed in the field of library and information science (LIS sources), and one has been distributed in another field. Eight of the 21 reports found utilizing comparable pursuit terms were found utilizing a similar hunt strings when applied to the LISS information base. Most of the recognized papers were at that point in the Scopus data set, which likewise had the full text digests of the friend audited articles that were picked for survey.

Scope of Affiliation: Most of the articles found in the Scopus data set were distributed by establishments like College McGill (3), China Foundation of Chinese Clinical Sciences (3), Chengendu College of Conventional Chinese Medication (5), Tianjin College of Customary Chinese Medication (4), Beijing College of Chinese Medication (4), and Chengendu College of Customary Chinese Medication (5). The examinations were subsidized by cooperative associations such the Clinical Exploration Board, the Skyline 2020 system (5), the Coordinated effort for Authority in Applied Wellbeing Exploration and Care, and others.

Scope of Region: China (n=23/75) distributed the most distributions on research morals, trailed by the Assembled Realm (n=14/75) the US (n=13/75) and Canada (n=9/75) in a specific order.

Germany (n=3/75) and France (n=4/75) are different choices. As per the discoveries of the recognized writing in Scopus and LISS, in any case, not many papers were made by African scholastics; just three articles arose, with two distributions from South Africa and one from Nigeria. Most of the articles (n=73/75) were in the last stages; the greater part of the sources (n=73/75) were diaries; the excess sources were books (1) and book series (1). Most of the articles were composed and distributed in English.

What Qualify Articles on Research Ethics and Practices Are Included in Scopus and LISS?

Creator and date, research plan, area of accentuation, discoveries, and suggestions are among the attributes of the applicable examinations that have been remembered for the checking survey. Most of the highlighted articles were delivered in 2016 (5/13) with 2020-2021 coming in second (4/13) and others in 2018 (1/13) with 2015 (1), 2017 (1), 2015 (1), and 2014 (1) balancing the rundown. Most of the distributions (7/13) utilized a writing review plan for their examinations; different strategies included interviews (1/13) and enlightening studies (1/13) as well as talk and conversation procedures. None of the articles utilized blended research procedures. Most of the examinations (Ebiefung and Adetimirin, 10 2021; Oladokun and Jorosi, 2020; Shiri, 2016; Mannheimer et al., 2016) have connections to explore morals, information morals, informal organization research morals, or digital morals. The subject of a concentrate by Green and Johnston (2021) is publication malpractice in the field of library and information science.

Research uprightness and information experts were investigated by Gibson and O'Hanlon (2020). Ikenwe, (2020), Ssekitto, (2018), Fong, and Wilhite (2017) all took a gander at the connection among origin and reference control in insightful exploration, as well as the utilization of information from computerized library assets, comparable to scholastic expertise, legitimate and ethical worries. Information morals (Shiri, 2016), the ethical system for future librarianship (Wather, 2016), morals in interpersonal organization research (Mannheimer et al., 2016), ethical distributing (Curno, 2016), morals in doctoral examination (Mutula and Majinge, 2015), and shrewd urban communities (Bianchini and Avila, 2014) are a portion of different subjects of study. As per research, there are numerous morals related non-rules, non-records, and non-agendas in the LIS calling (Walther, 2016). From certain perspectives, it is important to fabricate an ethical structure that is exceptional to the exploration movement (Mannheimer et al., 2016).

From certain perspectives, African researchers need to propel information morals through workforce examination and educational program creation (Mutula and Majinge, 2015).

What Are the Implications of Studies Focusing on Research Ethics as Reported in the Identified Literature?

The hypothetical, viable, and ethical outcomes are introduced in this checking audit. The abuse of logical papers by postgraduate understudies and scientists in advanced education organizations is something that this work has pragmatic consequences for LIS specialists attempting to check. In this perusing audit, hypothetical ramifications are introduced that can be utilized to help observational information assortment by scientists applying positivist (quantitative overview) and interpretive (subjective meeting) ideal models to explore research morals and practices in different review settings. The most ideal way to maintain ethical principles and conquer ethical limits is with comply to ethical rules using strategically sound methodology (interpretive conversation discussion) (Barriage et al., 2016).

Setting research guidelines for impending researchers by keeping the essential ethical standards has a functional application for LIS policymakers. Adherence to explore morals could, in principle, bring about alterations to unethical way of behaving (Fong and Wilhite, 2017). To more readily stick to ethical and legitimate contemplations while utilizing information from different sources, policymakers in the LIS should make a move (Ikenwe, 2020). As per Ssekitto (2018), research morals can be utilized in different LIS disciplines, including records organization, information and chronicles, paleontology, and historical center examinations. Researchers who agree that ethical standards and rules are fundamental for directing a straightforward cycle supportive in forestalling unethical examination techniques in all foundations of higher learning have acknowledged the reasoning (Green and Johnston, 2021). By cultivating cooperative review and grant, this perusing survey assists specialists with turning out to be more proficient of and stick to ethical standards (Shiri, 2016). There are repercussions for workforce and institutional arrangement structure improvement (Mutula and Majinge, 2015). Congruity and efficiency in doctorate research are upheld by adherence to ethical standards in study.

Furthermore, this perusing survey will affect proficient relationship by permitting them to give refreshed arrangements upheld by lawful papers that require LIS specialists with comply to the guidelines of expert way of behaving (Walther, 2016). The structure offers an ethical course for directing examination in the LIS area and related regions (Mannheimer et al., 2016).

There are repercussions for additional successful purposes of electronic information and new distribution advancements (Curno, 2016). Extra friendly and financial development is additionally affected (Bianchini and Avila, 2014).

5. DISCUSSIONS

By far most of reports found in the sociologies have been imprinted in diaries in the field of library and information science (LIS). The heft of the articles found in the Scopus data set were related with colleges in rich countries, like China, the Unified Realm, the US, Canada, France, and Germany, while simply few articles were related with agricultural countries, such South Africa and Nigeria. Scientists in LIS distribute at a very low rate right now. Contrasted with the years before 2016, the pattern of distributions focusing on research morals and practices has progressed fundamentally during the beyond a decade. Given the large number of distributions in 2021, almost certainly, studies focusing on research morals will fundamentally work on in the years to come, and this advancement might try and be dramatic

The objective of this perusing audit was to distinguish the attributes of remembered distributions for research morals and methodology that were found in the Scopus and LISS data sets. Most of the included papers were delivered in 2016, with the rest of in 2020-2021, 2018, 2017, 2015, and 2014. For their examinations, most of the distributions utilized a writing overview plan; be that as it may, a few likewise utilized interviews, illustrative studies, relationship plans, address strategies, and conversation techniques.

None of the articles utilized blended research systems. Comparable discoveries from Carlin (2003), notwithstanding, featured the way that LIS utilizes research morals and strategies made in different disciplines, like subjective exploration methods, to its own exercises. Since concentrate on plans are vital to the examination cycle and the age of information that upholds execution and improvement, strategic systems are being applied in LIS research. The dependability and legitimacy of exploration discoveries and practice are fundamental on the

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grounds that the reasonableness of examination strategy has ramifications for protecting the respectability of the actual examination (Ngulube and Ukwoma, 2019).

Discoveries uncover that while a portion of the articles on research morals were distributed in diaries other than LIS, most of them were in the sociology field. African scientists should lay out educational programs that advance information morals and draw in with researchers somewhere else on the landmass by taking part in more cooperative examination projects.

6. CONCLUSION

African researchers need to make critical commitments to the assortment of writing tending to explore morals since there are not many papers that address the subject referenced in the space. In light of the discoveries that showed there were not many articles focusing on research morals somewhere in the range of 2011 and 2015, the expanded pattern in research yields in distributions recommends that African researchers are awakening to the significance of exploration morals in the field of library and information science. To outfit curators with the information important to oversee insightful distributions in scholastic libraries and to maintain the best practice direction supported by ethical standards, African scientists in LIS should team up with their partners in created nations through research. This coordinated effort ought to incorporate directors and policymakers. Ikenwe (2020) is of the assessment that college organization and library organization can cooperate to routinely prepare their scholarly staff on moral and legitimate issues connected with the utilization of information. As indicated by Mutula and Majinge (2015), African scholastics should propel information morals through the making of educational programs and examination.

REFERENCES

- 1. Ansu-Mensah, M., Mohammed, T., Udoh, R. H., Bawontuo, V., and Kuupiel, D. (2019), 'Mapping evidence of free maternal healthcare financing and quality of care in subSaharan Africa: a systematic scoping review protocol', Health Research Policy and Systems, Vol. 17 No. 1, pp.1-6.
- 2. Barriage, S., Buente, W., Greifeneder, E., Greyson, D., Kitzie, V., Morales, M., and Todd, R. (2016), 'Ethical tensions in research: The influence of metatheoretical orientation on research

- ethics', Proceedings of the Association for Information Science and Technology, Vol. 53 No. 1, pp.1-3. Available at:
- 3. Bianchini, D. and Avila, I. (2014), 'Smart cities and their smart decisions: Ethical considerations', IEEE Technology and Society Magazine, Vol. 33 No. 1, pp.34-40.
- 4. Carlin, A. P. (2003), 'Disciplinary debates and bases of interdisciplinary studies: The place of research ethics in library and information science', Library and Information Science Research, Vol. 25 No. 1, pp.3-18. Available at:
- 5. Curno, M. J. (2016), 'Challenges to ethical publishing in the digital era', Journal of Information, Communication and Ethics in Society.
- 6. Ebiefung, R. and Adetimirin, A. (2021), 'Cyberethics adherence and the use of electronic information resources by undergraduates in public universities in Akwa Ibom State, Nigeria', Digital Library Perspectives. Available at:
- 7. Esteves, F. M., Anunciação, P. F., and Santos, J. R. (2014), 'Some information systems requirements in view of organisational sustainability in an information society', Information Resources Management Journal (IRMJ), Vol. 27 No. 1, pp.21-35. Available at:
- 8. Fong, E. A. and Wilhite, A. W. (2017), 'Authorship and citation manipulation in academic research', PloS One, Vol. 12 No. 12, e0187394. Available at:
- 9. Gibson, D. S. and O'Hanlon, R. (2020), 'The Current Conflict of Interest Landscape and the Potential Role of Information Professionals in Supporting Research Integrity', Journal of Hospital Librarianship, Vol. 20 No. 3, pp.183-203.
- 10. Gollogly, L. and Momen, H. (2006), 'Ethical dilemmas in scientific publication: pitfalls and solutions for editors', Revista de Saúde Pública, Vol. 40, pp.24-29. Available at: https://www.scielo.br/j/rsp/a/vwbzdX9JDbBSsZvYdWzcNjj/?lang=en&format=html 16
- 11. Green, L. S. and Johnston, M. P. A (2021), 'Contextualisation of editorial misconduct in the library and information science academic information ecosystem', Journal of the Association for Information Science and Technology. Available at:
- 12. Gregory, I. (2003), Ethics in research. A&C Black. Ikenwe, J. I. (2020), 'Skill to apply legal and ethical issues of information as correlate of utilisation of digital library resources by academics in federal universities in southern, Nigeria', Library Philosophy and Practice, pp.1-