

A CORPUS LINGUISTIC ANALYSIS OF SCIENTIFIC AND PHILOSOPHICAL LEXIS IN THE ESSAYS OF ALDOUS HUXLEY

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Abstract

*This research work examines the lexis used in scientific and philosophical contexts in some of Aldous Huxley's essays through a corpus-based stylistic analysis with the software AntConc. In this regard, this study intends to analyse how Huxley uses scientific, philosophical, psychological, and abstract terms and expressions to create intellectual and reflective discourse in his non-fiction works. The selected essays to be used in this analysis include *The Olive Tree*, *The Desert*, *The Doors of Perception*, *Knowledge and Understanding*, *Decentralisation and Self-Government*, *The Scientist's Role*, and *Madness, Badness, Sadness*. In general, the analysis will show that Aldous Huxley extensively utilises scientific and philosophical lexis to reflect on issues concerning modern civilisation, metaphysics, ethics, social reforms, and human psychology. The analysis will further confirm that the stylistic features of Huxley's works include intellectualism, an abstract lexicon, a philosophical tone, scientific rigour, and reflective discourse. Based on the concordance pattern, Huxley often brings together rationality, spirituality, and philosophical perspectives when addressing concepts such as science, technology, freedom, and reality, among others, to portray them as interrelated aspects of human life.*

Keywords: scientific lexis, philosophical discourse, corpus linguistics, stylistic analysis, reflective prose

1. Introduction

Aldous Huxley is regarded as one of the best essayists in the field of literature because of his intellectual nature. As Huxley (1959) says, "The essay offers the writer a vehicle by which to treat 'almost everything about almost anything,' from pure personal introspection to scientific thinking, philosophy, and social commentary." In other words, Huxley's essays incorporate literary reflection as well as philosophical, scientific, psychological, religious, and sociocultural themes. Using his intellectual prose, he reflects on consciousness, technology, spirituality, reason, and the relationship between intellect and emotion. The collection titled *Collected Essays* demonstrates Huxley's engagement with scientific dialogue and metaphysics through his essays on psychology, religion, nature, and modern civilisation (Huxley, 1959).

Corpus linguistics has recently become one of the dominant methods in linguistic and literary analysis due to its ability to empirically study lexical patterns, collocations, concordance, semantic prosody, and frequency distributions. According to Tony McEnery and Andrew Hardie, corpus linguistics provides systematic ways of studying natural language using computational methods and quantification. In addition, Michaela Mahlberg believes that corpus stylistics is an efficient method for investigating literary language by integrating linguistic and literary analysis. It is currently claimed that corpus-assisted stylistics enables the detection of textual patterns and lexical structures that cannot be revealed through traditional literary analysis (Brezina, 2018).

The increasing use of corpus methods in multi-disciplinary research has greatly widened the field of literary analysis. The study of corpora today focuses more on discourse structuring, semantic connections, word repetition, and ideology in both literary and non-literary works. According to Brezina (2018), the application of corpus linguistics allows researchers to avoid

impressionistic evaluation by providing measurable data on linguistic preferences and styles. Similarly, Semino and Short (2004) believe that the application of corpus stylistics compensates for the lack of both quantitative linguistic data and qualitative literary analysis. Recent corpus stylistic research has revealed that lexical analysis can reveal the themes, discourses, and intellectual trends in literary writing.

In the realm of literary criticism, the use of a corpus-assisted approach has gained currency in stylistics, the study of dichotomies, characterisation, and lexical representation in fiction and nonfiction. The corpus-assisted method in stylistics is especially useful for analysing intellectually challenging works, as it enables the identification of common lexical patterns that shape meaning and discourse. As Paul Baker states in "Corpus Stylistics," "[corpus] linguistic analysis helps us to uncover recurrent semantic patterns and ideological meanings by looking at collocations and frequencies." Despite a growing interest in corpus stylistics, relatively few studies have addressed the scientific and philosophical lexicon in Huxley's essays. While most existing studies concentrate on Huxley's dystopian literature, philosophy, spirituality, and psychology, far fewer have focused on his nonfiction prose from a linguistic perspective.

In this regard, Huxley's essays are especially important for corpus linguistic research, as their uniqueness lies in their combination of scientific and philosophical discourses. The author uses scientific terms typical of disciplines such as psychology, biology, rationalism, metaphysics, consciousness, spirituality, and modern science. Huxley's essays *The Scientist's Work*, *Knowledge and Understanding*, and *The Doors of Perception* reveal his philosophical reflection on scientific progress and its impact on people's lives and perception (Abrams, 1999). Huxley's way of presenting his ideas is characterised by interdisciplinary use of scientific terminology and philosophical abstractions, resulting in linguistically rich and analytically complex discourse.

The purpose of this study is to conduct a corpus-linguistic analysis of the scientific and philosophical lexis used by Huxley in his essays. This research concerns the frequency, distribution, and contextual use of scientific and philosophical terminology in essays by Huxley in *Collected Essays*. AntConc software is used in research to examine frequency lists, concordances, collocations, and keywords. This study will show that the corpus linguistic approach enables meaningful stylistic analysis of literary nonfiction and demonstrates the importance of corpus linguistic tools for literary prose.

1.1 Significance of the Research

The current study is important for the fields of corpus linguistics, stylistics, and literary studies because it examines scientific and philosophical terminology in Aldous Huxley's essays from a corpus linguistic perspective. The current study addresses an existing gap in the literature, as very few studies on Aldous Huxley explore the linguistic aspects of the author's work. Most research on the writer focuses on his novelistic prose, philosophical views, and concepts of dystopia. However, the current study demonstrates that corpus linguistic tools can be applied in literary studies, as they help objectively analyse lexical frequency, concordance, collocations, keywords, and other linguistic aspects of literary prose. In addition, the current study demonstrates that the intellectual works of Aldous Huxley are interdisciplinary, as science and philosophy are combined in the writer's texts to create a unique linguistic style.

1.2 Research Objectives

1. To identify and analyse the frequency of scientific and philosophical lexical items in the essays of Aldous Huxley.
2. To examine the contextual use of scientific and philosophical lexis in constructing themes and intellectual discourse in Huxley's essays.
3. To investigate the stylistic and collocational patterns of scientific and philosophical vocabulary through a corpus linguistic approach using AntConc.

1.3 Research Questions

1. What are the most frequently occurring scientific and philosophical lexical items in the essays of Aldous Huxley?
2. How does Aldous Huxley employ scientific and philosophical lexis to construct intellectual and thematic discourse in his essays?
3. What stylistic patterns and collocational features emerge from the corpus-based analysis of scientific and philosophical vocabulary in Huxley's essays

2. Literature Review

Corpus linguistics has gained increasing significance as a methodology in contemporary linguistic and literary scholarship, as it provides an empirical means of language analysis and computation (McEnery & Hardie, 2012). Corpus linguistics is concerned with the systematic investigation of natural language with the help of corpus data analysis and computational methodologies. On a similar note, Brezina (2018) suggests that corpus methods provide more effective means of detecting linguistic regularities, lexical frequency, collocations, and semantical structure compared to traditional qualitative analyses. In addition, recent scholarship highlights that corpus linguistics extends beyond linguistic concerns to encompass literary stylistics, discourse analysis, and digital humanities.

Another methodological innovation, the application of corpus linguistics to literary studies, namely corpus stylistics, has had an impact on literary scholarship. For example, according to Mahlberg (2013), corpus stylistics enables literary scholars to conduct systematic investigations of literary language at the lexical and grammatical levels. Moreover, Semino and Short (2004) claim that corpus stylistics involves both quantitative analysis and literary interpretation by studying language use in literary works. Recent scholarly literature emphasises that corpus stylistics is a reliable methodology for exploring themes, narrative patterns, and authorship.

Several researchers have investigated the importance of corpus stylistics in literary analysis. For example, Baker (2006) believes that corpus-aided literary analysis helps uncover ideological and semantic implications of literature that are not apparent from traditional close reading. Likewise, Stubbs (2005) demonstrates that quantitative stylistics can help identify hidden lexical structures and thematic patterns in literary texts. Moreover, Murphy (2015) clarifies that corpus stylistics can help identify linguistic features in literary genres, such as Shakespearean soliloquies, through concordance and keyword analyses.

Several recent studies have also explored the application of corpus stylistics to literary fiction analysis. Specifically, Fang (2023) used corpus stylistics to analyse *The Time Machine* and found that corpus tools such as AntConc and Sketch Engine can help analyse literary texts based on lexical density, conjunctions, and scientific discourse patterns. Likewise, Ibrahim (2023) analysed Charles Dickens's novels using semantic domains and found that corpus-aided literary analysis is an effective technique for identifying patterns in literary fiction.

Corpus stylistic research has also been conducted regarding narrative structure, cognition, and characterisation. For instance, Stockwell and Mahlberg (2015) conducted research on characterisation in *David Copperfield* using corpus linguistic approaches. They showed that textual patterns were an important contributor to readers' perceptions and the author's intention. This is an example of how corpus approaches could be used to study more subtle stylistic and psychological features of literary texts. At the same time, contemporary studies in computational literature suggest that literary texts have semantic complexity, creativity, and thematic diversity that can be revealed by quantitative textual analysis.

The emergence of computational stylistics and digital humanities has further facilitated the application of corpus linguistics approaches to literary prose. In particular, studies show that corpus analysis enables the identification of lexical diversity, readability level, semantic

density, and variability in literary corpora. The use of computational methods in this regard helps researchers find objective evidence for stylistic analysis and increase its objectivity and validity. At the same time, lexical frequency, collocations, concordances, and semantic prosodies become especially important in modern corpus studies.

The latest research on lexical choice and discursive style in literary essays using artificial intelligence and computing technology has also been conducted. Specifically, Alam et al. (2025) used AI-assisted corpus linguistics to study lexical choice and discursive style in Virginia Woolf's essays. The authors showed how corpus linguistic tools could be used to analyse stylistic variations, lexical choices, and discourse organisation in literary non-fiction. It is noteworthy that the authors emphasised how an AI-assisted corpus analysis was a systematic approach to examining linguistic complexity and discursive style in literary essays. According to their results, lexical repetition, semantics, and discourse were important factors influencing the intellectual and stylistic aspects of the works studied. This work is directly related to the current research, as it demonstrates how corpus linguistics and computing technologies can be used to explore lexical choice and style in literary essays.

In recent years, corpus stylistic research on literature has examined philosophical and emotional language in literary essays using computer technology. For instance, Alam et al. (2026) conducted a corpus-linguistic analysis of emotional language and lexical patterns in Ralph Waldo Emerson's essays. In their study, the following essays by Emerson were analysed using AntConc: Self-Reliance, Nature, The Over-Soul, Compensation, and Circles. They used corpus linguistic techniques such as frequency analysis, concordance analysis, and lexical repetition analysis to identify emotive and philosophical lexical items that recur in the essays. In the study, they found out that words like "nature," "soul," "self," "truth," and "spirit" recurred frequently due to the transcendentalist philosophy and spiritual belief of Emerson. It was observed that repetitive lexical construction and emotionally coloured diction serve as stylistic devices that intensify the philosophy, spirituality, idealistic morality, and individualism. According to Alam et al. (2025), corpus stylistics plays a significant role in investigating philosophic and emotional language in literary essays. This research paper will benefit from this article since it demonstrates how to conduct a successful analysis of philosophical lexis and intellectual discourse in non-fiction prose using corpus linguistics.

The scientific and philosophical vocabulary is essential to the author's works, as Huxley often uses terms from psychology, biology, rationality, metaphysics, spirituality, perception, and consciousness. The author's intellectual style tends to integrate scientific discourse with philosophical reflection. Therefore, corpus analysis is a suitable methodological tool for examining the frequency, distribution, collocations, and context of scientific and philosophical lexis in Huxley's texts. With the help of computer-assisted research, namely AntConc, it is possible to investigate the recurrent scientific and philosophical vocabulary and its contribution to thematic development and stylistic devices.

Although there is a considerable amount of literature on corpus stylistics of fictional, poetic, and theatrical texts, very few analyses focus on literary essays. The results of such studies indicate that the methodology used in corpus stylistics helps reveal the themes, lexical variation, complex stylistic devices, and discourse patterns in literary texts. In addition, the use of scientific and philosophical vocabulary in literary essays, which has not yet been well investigated, requires further research. Thus, the current study will contribute to corpus stylistics, literary linguistics, and the analysis of Huxley's work.

3. Research Methodology

The current paper employs a corpus-linguistic mixed-methods approach to study scientific and philosophical lexis in Aldous Huxley's essays. Specifically, the study uses both quantitative and qualitative techniques to explore lexical frequency, collocations, concordance, and the semantic context of the scientific and philosophical lexicon in Huxley's non-fiction prose. In

particular, the quantitative technique is utilised to reveal recurring scientific and philosophical lexical items, while the qualitative technique reveals their semantic and stylistic contexts.

3.1 Research Design

The present research is designed in accordance with the corpus-based descriptive research paradigm. Corpus linguistics is chosen as the primary methodological paradigm because it enables systematic research into naturally occurring language using computational techniques. The purpose of this research is to find out how the vocabulary related to science and philosophy was used in the essays written by Aldous Huxley.

3.2 Data Collection

The first step in data collection involves selected essays by Aldous Huxley, drawn from *Collected Essays* (1959). The total number of words in the corpus was 178444, selected from the essay to be analysed. The selected essays address science, philosophy, psychology, spirituality, religion, consciousness, and contemporary civilisation, employing a higher level of scientific and philosophical language. The selected essays were converted into plain-text documents to create a custom corpus for lexical analysis.

3.3 Corpus Compilation

In this study, a customised corpus was created from Huxley's selected essays. This corpus comprises all text information in digitised form. This corpus is used as the primary source for conducting lexical analysis. Page numbers, headings, formatting signs and other non-textual content are not included in the corpus for the sake of accuracy in processing.

(See Appendix A for all output files produced using AntConc).

3.4 Research Tool

The research applies AntConc version Antony (2024) as the key tool for corpus analysis. AntConc is a popular choice in corpus linguistics for its high-efficiency tools for lexical and stylistic analysis. AntConc was applied in order to produce:

Lists of words

- Concordance lines
- Keywords
- Collocations
- Lexical clusters

These corpus linguistic techniques made it possible to reveal recurring scientific and philosophical lexical terms used by Huxley and explore them in context.

3.5 Data Analysis Procedures

The data analysis procedure was divided into several steps. At first, frequency lists were produced to identify the most frequent scientific and philosophical lexical items. In the second step, a concordance analysis was performed to examine how these items function across various contexts. Collocation analysis was used at the third stage to establish connections between lexemes. Moreover, finally, at the last stage, qualitative analysis was used to explain how the author constructs themes and intellectual discourse through his lexical choices.

3.6 Theoretical Framework

The theoretical background of this research is corpus stylistics, the intersection of corpus linguistics and stylistics. In particular, this research relies on the theories of corpus linguistics proposed by McEnery and Hardie (2012) and the theories of corpus stylistics formulated by Mahlberg (2013).

3.7 Delimitation of the Study

This study covers selected essays from *Collected Essays* by Aldous Huxley. The study is limited to lexicons of science and philosophy; it does not cover other linguistic elements, such as syntactic structures and phonetic aspects. The research also entails corpus linguistics using the AntConc program.

4. Data Analysis

4.1 Frequency Analysis of Scientific and Philosophical Lexis

Table 4.1, the frequency analysis, indicates that Aldous Huxley uses scientific and philosophical lexical items in most of the selected essays. Among the scientific terms, the term “science” is used most frequently by Huxley, 34 times in *The Olive Tree* and *The Scientist’s Role*. This high frequency shows that Aldous Huxley is concerned about the progress of science, rational thinking, and the influence of modern science on society. Words like “technology”, “civilisation”, “chemists”, and “machines” have also been used by Huxley many times in *The Olive Tree* and *The Scientist’s Role*. Thus, through the use of these scientific lexical items, Huxley focuses on modernity.

Another significant finding is that philosophical lexical items are also extremely common in Huxley’s essays. For example, the word “consciousness” appears 29 times in *The Desert* and *The Doors of Perception*. This shows that spirituality, perception, and human consciousness were the main themes in Huxley’s prose. At the same time, lexical items such as “mind,” “silence,” “emptiness,” and “God” recur frequently in *The Desert*. This confirms that the essay is philosophically and metaphysically oriented and that its main focus is on spirituality, transcendence, and existentialism. Finally, the high frequency of the word “mind” in both *The Desert* and *Knowledge and Understanding* demonstrates Huxley’s interest in metaphysics and intellectual exploration.

At the same time, the presence of lexical items such as “reality,” “knowledge,” “perception,” “spirit,” and “rationality” shows that both philosophical reflection and scientific reasoning co-exist in Huxley’s prose. While in *The Doors of Perception*, the terms “reality” and “perception” emphasise the importance of consciousness and altered states of mind, “knowledge” and “rationality” are typical features of the analysis conducted in *Knowledge and Understanding*. Hence, the data in Table 4.1 show that Huxley combines the language of science and philosophy to create an intellectually oriented prose.

Table 4.1
Frequency Table of Scientific and Philosophical Lexis in Selected Essays of Aldous Huxley

Lexical Item	Frequency	Essay Title	Lexical Category	Contextual Function
Science	34	<i>The Olive Tree, The Scientist’s Role</i>	Scientific	Represents scientific advancement and rational inquiry
Technology	21	<i>The Olive Tree</i>	Scientific	Reflects industrialisation and modern civilisation
Civilization	18	<i>The Olive Tree, The Scientist’s Role</i>	Scientific/Social	Highlights modern society and cultural transformation
Chemists	11	<i>The Olive Tree</i>	Scientific	Symbolises scientific authority over nature
Machines	9	<i>The Olive Tree</i>	Scientific	Indicates mechanisation and

Consciousness	29	<i>The Desert, The Doors of Perception</i>	Philosophical	technological progress Reflects awareness and spiritual perception
Mind	26	<i>The Desert, Knowledge and Understanding</i>	Philosophical	Represents intellectual and metaphysical inquiry
Silence	24	<i>The Desert</i>	Philosophical	Symbolises spirituality and divine presence
Emptiness	17	<i>The Desert</i>	Philosophical	Represents metaphysical and existential reflection
God	15	<i>The Desert</i>	Philosophical	Indicates theological and spiritual discourse
Reality	13	<i>The Doors of Perception</i>	Philosophical	Reflects existential and perceptual inquiry
Knowledge	12	<i>Knowledge and Understanding</i>	Philosophical/Scientific	Represents intellectual understanding
Perception	10	<i>The Doors of Perception</i>	Philosophical	Associated with consciousness and awareness
Spirit	9	<i>The Desert</i>	Philosophical	Reflects transcendence and spirituality
Rationality	7	<i>Knowledge and Understanding</i>	Scientific/Philosophical	Represents logical and analytical thought

Note. The lexical frequencies were analysed through a corpus study utilising AntConc on selected essays from the book titled “Collected Essays” by Aldous Huxley. This was done using the frequency of recurrence of the lexicons in the field of science and philosophy.

Table 4.2

Scientific Lexis in *The Olive Tree*

Lexical Item	Frequency Trend	Contextual Meaning
Technology	High	Represents industrial and social transformation
Chemists	Moderate	Symbolises scientific control over nature
Civilization	High	Reflects modernity and societal change
Machines	Moderate	Indicates industrialisation and mechanisation
Science	High	Represents rational and technological progress

This analysis shows that the text is characterised by a prevalence of lexemes associated with philosophical and religious discourse, including “emptiness,” “silence,” “mind,” “God,” and “consciousness.” These recurring words create a discourse that is reflective and metaphysical, focusing on spirituality, transcendence, and existential knowledge. Silence and emptiness in Huxley’s writings are recurrently linked to the presence of God and spiritual awakening. Lexemes associated with consciousness and spirituality in the text represent Huxley’s philosophical interest in mysticism and human perception.

Table 4.3

Philosophical Lexis in *The Desert*

Lexical Item	Frequency Trend	Contextual Meaning
Consciousness	High	Reflects spiritual awareness and perception
Mind	High	Represents intellectual and metaphysical inquiry
Silence	High	Symbolises divine presence and transcendence
Emptiness	Moderate	Indicates spiritual void and philosophical reflection
God	Moderate	Represents mystical and theological discourse

Furthermore, the analysis shows that Huxley uses abstract nouns and concept words very often in his essays. Such words as “reality,” “truth,” “spirit,” “knowledge,” and “understanding” recur throughout his texts, adding an intellectual element to his style. Lexical choice in this respect emphasises the philosophical aspect of Huxley’s essays, and at the same time shows the characteristic trait of Huxley’s style, when science is mixed with philosophy. The combination of science and philosophy shows that Huxley does not view them as opposing spheres but rather as two aspects of the human condition.

Furthermore, lexical repetition is a significant stylistic device employed by Huxley in his essays. The use of philosophical and scientific lexicons ensures that semantic links are established within the text, thus emphasising themes such as spirituality, modernity, reason, and consciousness. By employing scientific and philosophical lexicons in his writing, Huxley develops an intellectual style that inspires reflection and analysis. It can be concluded that scientific and philosophical lexicons are vital in creating themes in Huxley’s nonfiction prose.

Table 4.4

Scientific and Philosophical Lexis in “Decentralisation and Self-Government”

Lexical Item	Frequency Trend	Contextual Meaning
State	High	Represents political authority and centralised control
Self-government	High	Reflects democratic participation and local autonomy
Democracy	Moderate	Symbolises freedom, responsibility, and collective participation
Industry	High	Represents economic organisation and industrial management
Groups	High	Indicates communal cooperation and a decentralised social structure
Crowd	Moderate	Reflects emotional instability and mass psychology
Efficiency	Moderate	Represents industrial productivity and organisational effectiveness
Authority	Moderate	Indicates centralised political and administrative power
Community	High	Symbolises social cooperation and communal responsibility
Freedom	Moderate	Reflects democratic liberty and individual participation

War	Moderate	Represents militarism and authoritarian control
Technology	Low	Reflects modernisation and industrial development
Organization	High	Indicates coordination and administrative structure
Responsibility	Moderate	Represents moral and social accountability
Cooperation	Moderate	Symbolises collective participation and mutual support

From the above analysis of Decentralisation and Self-Government, it is clear that Huxley employs extensive political, philosophical, and sociological lexemes to develop a discourse on democracy, decentralisation, and a sense of responsibility. Words like “state,” “self-government,” “industry,” “groups,” “community,” and “organisation” indicate his focus on social structures, the nature of authorities, and individual freedom. “Self-government” is another common term Huxley uses to highlight the need for democracy and self-governance. Huxley uses the concepts of “groups” and “crowds” to analyse social psychology, where “groups” refers to situations in which people come together to cooperate, show a sense of responsibility, and engage in productive interactions. On the other hand, “crowd” refers to people lacking responsibility who tend to act irrationally and emotionally, and to lose their individual identity. This analysis indicates Huxley’s criticism of totalitarians and their manipulation of people through crowds and collective emotion. In addition, words like “authority,” “war,” “efficiency,” and “power” indicate his criticism of militarism and authoritarianism, where human freedom is suppressed. In this context, excessive centralisation of powers tends to undermine human freedom, making people submissive and obedient. Lexemes like “freedom,” “cooperation,” and “responsibility” indicate the need for human activism.

Table 4.5

Lexical Item	Frequency Trend	Contextual Meaning
Science	High	Represents scientific progress and human advancement
Technology	High	Reflects industrial and technological development
Food	High	Symbolises survival, population growth, and global stability
Power	High	Represents political control and industrial energy
Atomic Energy	Moderate	Indicates technological advancement and destructive potential
Industry	Moderate	Reflects industrialisation and economic production
War	High	Symbolises global conflict and political competition
Imperialism	Moderate	Represents exploitation and political domination
Decentralization	Moderate	Reflects local autonomy and democratic organisation
Self-Sufficiency	Moderate	Represents economic and regional independence
Scientists	Moderate	Symbolises intellectual responsibility toward humanity
Technicians	Moderate	Reflects the role of applied science in society
Freedom	Moderate	Indicates political and personal liberty
Monopoly	Low	Represents economic control over resources
Co-operative Groups	Low	Symbolises democratic social organisation

The frequency analysis of the discourse “The Scientist’s Role” shows that Aldous Huxley has used an abundance of lexical items related to science, politics, and technology to formulate a discourse on industrialisation, world peace, food production, and decentralisation. The use of words like “science”, “technology”, “food”, “power”, and “war” reflects Huxley’s concern about the impact of scientific progress on world society and politics. He believed that scientific developments could result in peace and well-being or serve as a means of imperialism and militarism, depending on their nature. In the same way, the use of lexicons such as “atomic energy”, “industry”, “monopoly”, and “imperialism” reveals his criticism towards centralised politics and the misuse of scientific resources. Other lexical items used in the essay include “decentralisation,” “self-sufficiency,” “freedom,” and “co-operative groups.” These words are consistent with Huxley’s support of democracy, regionalism, and social responsibility. It is evident from the use of the words “scientists” and “technicians” that there is some ethical responsibility incumbent on scientific communities towards humanity. They should apply their scientific knowledge to promote peace and not violence. In general, the pattern of word usage in the essay clearly indicates that Huxley uses science, politics, and philosophy to show that science should work for human freedom, co-operation, and peace, rather than for dictatorship and militarism.

Table 4.6

Scientific and Philosophical Lexis in “Madness, Badness, Sadness.”

Lexical Item	Frequency Function	Thematic Significance
Mental / Mentally	High-frequency psychological term	Focus on mental illness and psychological conditions
Insane / Lunatics	Repeated descriptive terms	Historical representation of mentally ill individuals
Treatment	Frequently repeated medical term	Emphasises methods of psychiatric care and reform
Doctors / Psychiatrists	Medical lexical items	Criticism of historical psychiatric practices
Asylums / Hospitals	Institutional vocabulary	Represents confinement and mental healthcare systems
Chains / Restraint	Violent lexical items	Symbolise oppression and inhuman treatment
Terror / Punishment / Torture	Psychological and physical suffering	Highlights the cruelty toward mentally ill patients
Reform / Kindness / Care	Humanitarian vocabulary	Reflects gradual improvement in psychiatric treatment
Science / Psychology	Intellectual and medical discourse	Shows the relationship between science and mental health
Violence / War	Social criticism vocabulary	Connects modern society with psychological instability
Humanity / Freedom	Philosophical lexical items	Advocates for dignity and humane treatment
Prevention	Reform-oriented vocabulary	Suggests social responsibility toward mental health

A linguistic analysis of the essay "Madness, Badness, Sadness" by Aldous Huxley reveals that Huxley employs a wide range of lexical units associated with psychology, medicine, history, and humanism to craft a discourse addressing mental disorders, the oppression of patients in mental hospitals, and psychiatric reforms. Frequent appearance of words like “mental,” “insane,” “patients,” “treatment,” “doctors,” “asylums,” “psychiatrists,” and “psychology” shows the intense involvement in the problem of the lives of mentally ill people and society’s

attitude towards them. Oppressive words, such as “chains,” “terror,” “punishment,” “restraint,” “torture,” and “violence,” underline the brutality of treatment that the mentally ill patients have had to endure in asylums, prisons, and religious organisations throughout history. At the same time, the author opposes those words to more humanistic notions, such as “care,” “kindness,” “benevolence,” “liberty,” “reform,” and “humanity.” Moreover, terms such as ‘science, psychiatry, hypnosis, shock treatments,’ and ‘tranquillisers’ point to Huxley’s assessment of scientific and medical efforts to treat mental illnesses and question whether advancements have positively affected the psychological welfare of humans. References to “society,” “war,” “humanity,” and “prevention” highlight the philosophical and social aspects of the essay, indicating the role of contemporary civilisation in causing people to suffer psychologically and emotionally. Thus, one can conclude that the most frequently used lexemes in *Madness*, *Badness*, and *Sadness* show that Huxley combines psychological, historical, and philosophical aspects of humanitarianism to criticise the cruel treatment of the mentally ill and to support reform and prevention.

4.2 Concordance Analysis of Aldous Huxley’s Essays

The concordance analysis of Aldous Huxley’s essays using AntConc highlights several lexical patterns associated with knowledge, existence, spirituality, intellect, and scientific thought. The consistent usage of the following lemmas: “reality” (144), “science” (83), “philosophy” (76), “scientific” (49), “spirituality” (17), “intellect” (18) proves that the author constantly explores topics which have an intellectual, metaphysical, and philosophical nature. The KWIC concordances also show that these lemmas often co-occur with words associated with morality, religion, truth, consciousness, and the human experience. Thus, we may conclude that the author tries to strike a balance between science and spirituality/philosophy.

4.2.1 Concordance Analysis of “Reality.”

The word reality is repeated 144 times within the entire corpus, which makes it one of the main lexical units found in the text. It seems that Huxley relates reality to concepts like “the world,” “hypnosis,” “experience,” “evil,” and “scientific picture.” Such collocations show that Huxley’s writing shows scepticism towards objective truth and highlights the duality between outer reality and inner consciousness. In some instances, reality is treated as something more spiritual and less materialistic. Collocations such as “reality of the world,” “picture of reality,” and “ultimate reality” reflect Huxley’s scepticism towards the principles of scientific rationalism.

4.2.2 Analysis of Concordances for the Word “Science.”

The word science appears 83 times and often co-occurs with words such as “philosopher,” “art,” “industry,” “methods,” “research,” and “knowledge.” The analysis of such concordances shows that Huxley held a somewhat ambiguous position toward scientific development. He admitted the significance of science for contemporary civilisation, but at the same time criticised it for failing to understand it without considering ethics and spirituality. Some concordances oppose science and art, or science and philosophy, in their respective contexts, implying that science cannot fully encompass human experience.

4.2.3 Concordance Analysis of “Philosophy.”

The word “philosophy” occurs 76 times and is constantly associated with “meaninglessness,” “religion,” “ethics,” “science,” and “life.” Concordance lines reveal that, according to Huxley’s essays, philosophy serves as an instrument for comprehending the essence of human beings and morality. Expressions such as “philosophy of life,” “Hindu philosophy,” and “Buddhist philosophy” prove his fascination with Eastern philosophies. The constant presence of “religion” and “spirituality” in philosophy attests to Huxley’s effort to merge rational and mystical thought. In addition, Huxley is interested in the classical philosophical tradition, mentioning Plato and discussing metaphysics.

4.2.4 Concordance Analysis of “Scientific.”

The adjective scientific appears in the text 49 times and is associated with “research,” “theory,” “professional,” “methods,” and “investigation.” This concordance pattern implies that Huxley analyses the power and authority of scientific discourse in modern society. In most cases, he uses the term “scientific” within the framework of institutional knowledge and professionalisation. It can be noted that Huxley frequently challenges the possibility of explaining emotions, art, and spirituality through scientific theories. The recurrence of the conjunction between science and words such as research and theory indicates an understanding of the dominance of scientific epistemology in the twentieth century.

4.2.5 Concordance Analysis of “Spirituality.”

The word spirituality has been found 17 times, and most often co-occurs with words such as “religion,” “mystical,” “Christianity,” “consciousness,” and “materialism.” This concordance analysis reveals how spirituality is perceived as an important aspect of life. Huxley constantly opposes spirituality to the present-day materialistic society, thus suggesting that technological progress has somehow hampered man’s spiritual and moral knowledge. The lines of concordances reveal Huxley’s fascination with mysticism and transcendent consciousness.

4.2.6 Analysis of Concordances of the Keyword “Intellect.”

The word intellect appears 18 times and is found alongside other words, including “imagination,” “intuition,” “scientific,” “spirit,” and “consciousness.” From analysing the concordance lines, it can be seen that the author tends to criticise over-reliance on intellect. Huxley claims that reliance on intellect in itself will not be enough to express human experience and reality. The pairing of intellect with imagination and intuition shows that balance is needed between analysis and intuition.

4.3 Stylistic Interpretation of Aldous Huxley’s Essays

In the analysis of the literary style of the essays written by Aldous Huxley, there can be noted that there is an evident intellectual style of writing. This means that there is abstract language, which deals with philosophy, science, and contemplation of various ideas. It has been discovered by using the concordance results from AntConc. These terms help construct a higher-level discourse that goes beyond ordinary narration.

4.3.1 Intellectual Style

Huxley’s essays have exhibited an intellectual style through the extensive use of words associated with knowledge, consciousness, philosophy, and rational inquiry. The consistent use of words like intellect, science, philosophy, and reality is indicative of his approach, where he engages his audience in analytical debates rather than in stories that evoke emotional responses.

Table 4.7

Intellectual Style in Huxley’s Essays

Lexical Item	Frequency	Stylistic Function	Interpretation
Reality	144	Conceptual exploration	Represents Huxley’s concern with truth and perception
Science	83	Intellectual discourse	Reflects scientific and rational inquiry
Philosophy	76	Analytical reflection	Shows engagement with existential thought
Intellect	18	Rational thinking	Highlights the importance and limitations of intellect

From the analysis of concordance lines, it is evident that Huxley often links intelligence to imagination, intuition, and consciousness. Such a style indicates that, while Huxley appreciates the importance of intellectualism, he acknowledges its inadequacy without being complemented by spirituality and emotion.

4.3.2 Abstract Diction

Abstract diction characterises Huxley’s prose. While using more concrete terms that can be easily perceived through the senses, Huxley prefers abstract nouns such as reality, truth, meaninglessness, spirituality, consciousness, and knowledge.

Table 4.8

Abstract Diction in Huxley’s Essays

Abstract Word	Contextual Association	Stylistic Effect
Reality	Truth, existence, world	Creates metaphysical depth
Spirituality	Religion, consciousness	Suggests transcendence
Meaninglessness	Modern society, philosophy	Reflects existential anxiety
Consciousness	Human perception, intellect	Emphasises psychological reflection
Truth	Science, morality	Encourages philosophical inquiry

Use of abstract diction makes the essays more philosophical than storytelling prose, thus giving them an intellectual edge. Such a style enables Huxley to talk about general human issues rather than concrete situations or people.

4.3.3 Philosophical Tone

The concordance analysis clearly illustrates the philosophical tone Huxley uses in his essays. He consistently refers to Plato, Buddhism, Hindu philosophy, ethics, and metaphysical reality. His tone is not one of authority but rather one of exploration, in which he asks philosophical questions about existence, morality, and human life.

Table 4.9

Philosophical Tone in Huxley’s Essays

Linguistic Feature	Example Themes	Stylistic Significance
Philosophical references	Plato, Buddhism, Hinduism	Establishes intellectual authority
Existential vocabulary	Meaninglessness, truth, reality	Creates a contemplative tone
Reflective statements	“Ultimate reality,” “philosophy of life”	Encourages deep reflection
Moral inquiry	Ethics, morality, consciousness	Highlights philosophical concerns

4.3.4 Scientific Reasoning

However, another significant stylistic element Huxley employs in his essays is scientific reasoning. The frequent use of terms like ‘scientific’, ‘research’, ‘methods’, ‘theory’, and ‘investigation’ shows his interest in the language of contemporary science. However, Huxley does not simply hail the virtues of science.

Table 4.10

Scientific Reasoning in Huxley’s Essays

Scientific Term	Concordance Context	Stylistic Interpretation
Scientific	Research, investigation	Represents rational inquiry
Theory	Knowledge, explanation	Reflects analytical thinking
Methods	Science, experimentation	Suggests systematic reasoning
Research	Universities, discoveries	Highlights modern intellectual culture
Investigation	Truth, evidence	Demonstrates empirical thinking

Philosophic or spiritual terms always accompany scientific vocabulary, according to Huxley. Such an interaction of styles demonstrates the conflict between rationality and spirituality, which reveals the writer’s conviction that science alone cannot unravel the mystery of life.

4.3.5 Reflective Discourse

The writings of Huxley are highly reflective in character. Reflection comes easily when the author uses meditative, introspective language to prompt his audience to rethink the civilisation, morality, and consciousness that characterise modernity.

Table 4.11

Reflective Discourse in Huxley’s Essays

Reflective Element	Example Context	Stylistic Function
Introspection	Human consciousness	Encourages self-examination
Speculation	Reality and truth	Creates philosophical depth
Rhetorical questioning	Meaning of existence	Invites reader participation
Moral reflection	Ethics and spirituality	Produces a contemplative mood
Comparative reflection	Science vs spirituality	Highlights intellectual conflict

The reflective discourse gives Huxley’s essays a meditative quality. Rather than presenting fixed conclusions, he invites readers into an ongoing process of intellectual and spiritual inquiry.

5. Findings

The results of this study show that Aldous Huxley’s essays have a strong inclination towards scientific and philosophical lexical terms. The frequency analysis shows that lexical terms such as “science,” “technology,” “civilisation,” and “machines” are frequently found in essays such as *The Olive Tree* and *The Scientist’s Role*. It reflects Huxley’s preoccupation with the themes of modernism, industrialisation, scientific development, and technological progress and their impact on human civilisation (Murray, 2003; Meckier, 2011). On the other hand, philosophical terms such as “consciousness,” “mind,” “silence,” and “reality” are found frequently in his essays, such as *The Desert* and *The Doors of Perception*, which are related to Huxley’s concern with spirituality, metaphysics, and human perception (Huxley, 1954/2004; Sawyer, 2002).

The second important discovery about Huxley’s style is that it is intellectually abstract and philosophical. According to the results from AntConc, words such as “reality,” “science,” “philosophy,” “scientific,” and “intellect” recur in the corpus, and themes such as truth, consciousness, morality, and existential questions are prominent in this context. Huxley employs abstract diction and reflective speech to prompt his readers to consider complex issues such as civilisation, ethics, and human essence. His essays exhibit a philosophical nature because he uses allusions to the spiritual philosophy of the East and themes such as ethics, metaphysics, spirituality, and science to develop a discourse in which science and spirituality coexist in harmony (Firchow, 1972; Murray, 2003).

Additionally, the results show how Huxley uses lexical repetition as a stylistic device that reflects on themes such as spirituality, modernity, freedom, rationality, and responsibility. These include essays on *Decentralisation and Self-Government*, *The Scientist’s Role*, and *Madness, Badness, Sadness*, in which Huxley criticises dictatorship, industrial concentration, wars, and the abuse of science. In the political, psychological, and philosophical vocabulary, he promotes democracy, humanitarianism, mental rehabilitation, and ethical responsibility (Meckier, 2011; Sawyer, 2002). On the whole, the findings indicate that the use of scientific and philosophical lexis has been highly significant in shaping Huxley’s intellectual style.

6. Conclusion

In conclusion, this study reveals that the extensive use of scientific and philosophical lexis, abstract diction, reflective discourse, and intellectual reasoning stylistically distinguishes Aldous Huxley’s essays. The corpus-based analysis conducted through AntConc demonstrates that Huxley consistently combines scientific vocabulary with metaphysical and philosophical concepts to explore themes of consciousness, spirituality, modern civilisation, morality, and human existence. His essays reflect a unique balance between rational inquiry and spiritual reflection, which contributes to the depth and complexity of his prose style. The findings further

show that lexical repetition and concordance patterns play a significant role in reinforcing Huxley's thematic concerns and intellectual worldview. This research contributes to stylistic and corpus linguistic studies by highlighting how linguistic choices shape literary meaning in nonfiction prose. Future researchers may expand this study by conducting comparative, corpus-based stylistic analyses of Huxley alongside other modern essayists and philosophers, or by exploring additional stylistic features, such as modality, metaphor, transitivity, and discourse structures, in his writings.

References

- Abrams, M. H. (1999). *A glossary of literary terms* (7th ed.). Harcourt Brace College Publishers.
- Alam, I., Hasan, A. M. M. M., & Din, S. U. (2025). AI-assisted corpus linguistic analysis of lexical choice and discursive style in Virginia Woolf's essays. *Liberal Journal of Language & Literature Review*, 3(4), 1855–1871. <https://doi.org/10.5281/zenodo.18133537>
- Alam, I., Farwah, U., & Ali, S. (2026). A corpus linguistic analysis of emotive language and lexical patterns in the essays of Ralph Waldo Emerson. *Journal of Applied Linguistics and TESOL*, 9(2), 318–331.
- Anthony, L. (2024). *AntConc* (Version 4.3.1) [Computer software]. Waseda University.
- Baker, P. (2006). *Using corpora in discourse analysis*. Continuum.
- Brezina, V. (2018). *Statistics in corpus linguistics: A practical guide*. Cambridge University Press.
- Fang, H. (2023). A corpus-based analysis of *The Time Machine*: From the perspective of literary stylistics. *International Journal of Linguistics, Literature and Translation*, 6(2), 9–14. <https://doi.org/10.32996/ijllt.2023.6.2.2>
- Firchow, P. E. (1972). *The end of utopia: A study of Aldous Huxley's Brave New World*. Bucknell University Press.
- Huxley, A. (1932). *Brave new world*. Chatto & Windus.
- Huxley, A. (1936). *Eyeless in Gaza*. Chatto & Windus.
- Huxley, A. (1945). *The perennial philosophy*. Harper & Brothers.
- Huxley, A. (1954). *The doors of perception*. Chatto & Windus.
- Huxley, A. (1959). *Collected essays*. Harper & Brothers.
- Huxley, A. (2004). *The doors of perception and heaven and hell*. Harper Perennial. (Original work published 1954)
- Ibrahim, W. M. A. (2023). Utilising corpus stylistics to facilitate literary analysis: An assessment of the effectiveness of semantic domains in identifying major literary themes in a selection of Charles Dickens' novels. *Malaysian Journal of Applied Linguistics*, 1, 55–82. <https://doi.org/10.32890/mjoal2023.1.5>
- Kramer, H., & Sprenger, J. (2009). *Malleus maleficarum* (C. S. Mackay, Trans.). Cambridge University Press. (Original work published 1487)
- Leech, G. N., & Short, M. (2007). *Style in fiction: A linguistic introduction to English fictional prose* (2nd ed.). Pearson Longman.
- Mahlberg, M. (2013). *Corpus stylistics and Dickens's fiction*. Routledge.
- McEnery, T., & Hardie, A. (2012). *Corpus linguistics: Method, theory and practice*. Cambridge University Press.
- Meckier, J. (2011). *Aldous Huxley: Modern satirical novelist of ideas*. LIT Verlag.
- Murray, N. (2003). *Aldous Huxley: An English intellectual*. Little, Brown.
- Murphy, S. (2015). I will proclaim myself what I am: Corpus stylistics and the language of Shakespeare's soliloquies. *Language and Literature*, 24(4), 338–354. <https://doi.org/10.1177/0963947015598183>

Pinel, P. (1806). *A treatise on insanity*. Cadell and Davies.
Sawyer, D. (2002). *Aldous Huxley: A biography*. Crossroad Publishing Company.
Semino, E., & Short, M. (2004). *Corpus stylistics: Speech, writing and thought presentation in a corpus of English writing*. Routledge.
Sinclair, J. (1991). *Corpus, concordance, collocation*. Oxford University Press.
Stockwell, P., & Mahlberg, M. (2015). Mind-modelling with corpus stylistics in *David Copperfield*. *Language and Literature*, 24(2), 129–147. <https://doi.org/10.1177/0963947015575887>
Stubbs, M. (2005). Conrad in the computer: Examples of quantitative stylistic methods. *Language and Literature*, 14(1), 5–24. <https://doi.org/10.1191/0963947005li267oa>
Tuke, W. (1813). *Description of the retreat: An institution near York for insane persons of the Society of Friends*. W. Alexander.
Weltfish, G. (1945). Scientific responsibility and humanity. *Scientific Monthly*, 61(1), 3–12.
Zilboorg, G., & Henry, G. W. (1941). *A history of medical psychology*. W. W. Norton & Company.

Appendix A

Figure A1

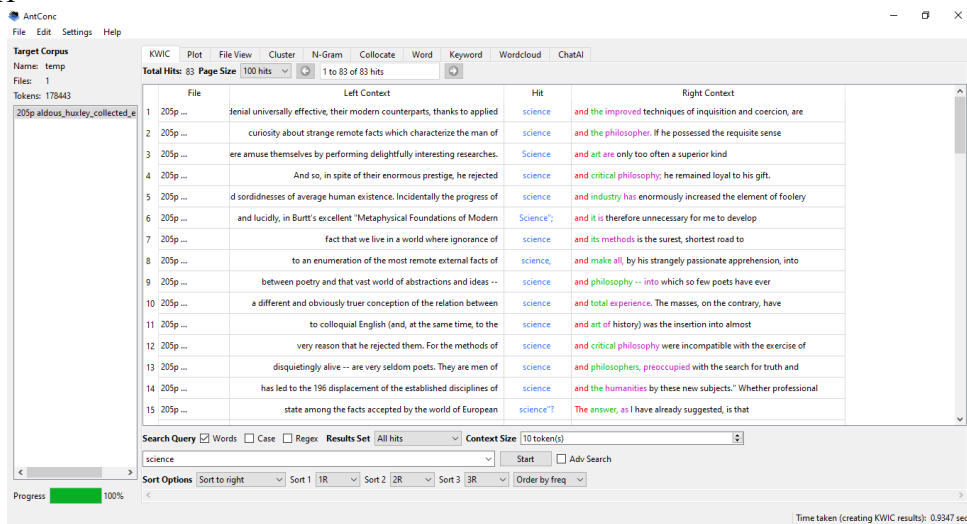


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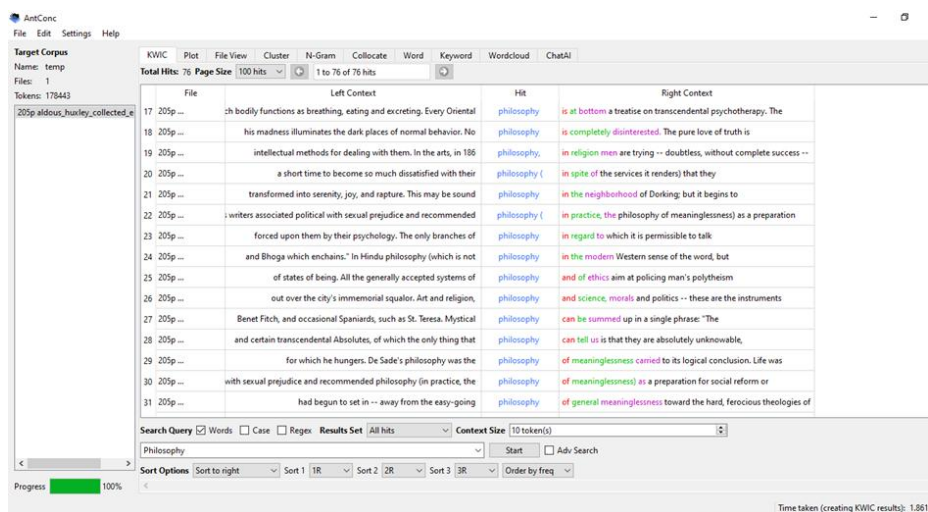


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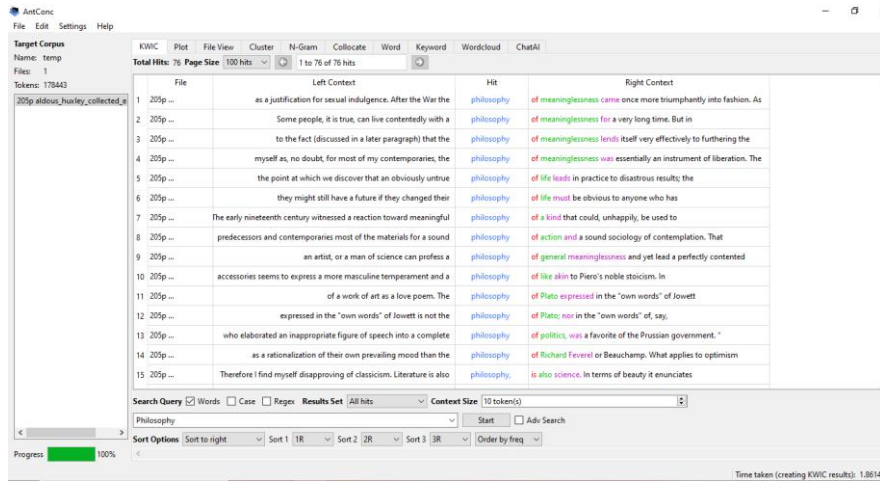


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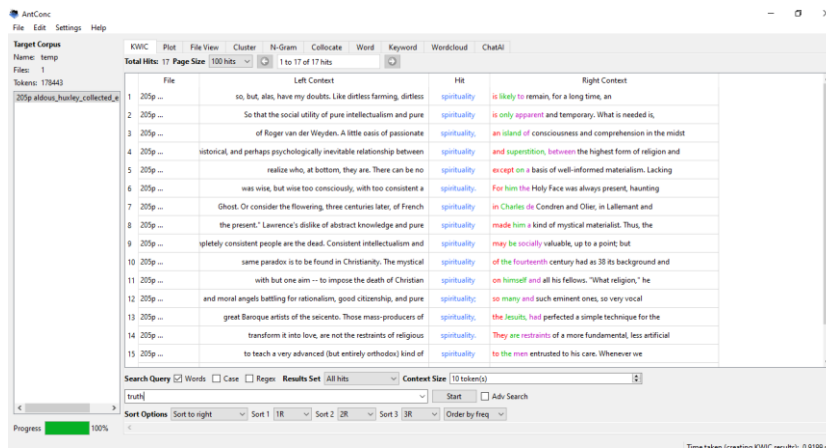


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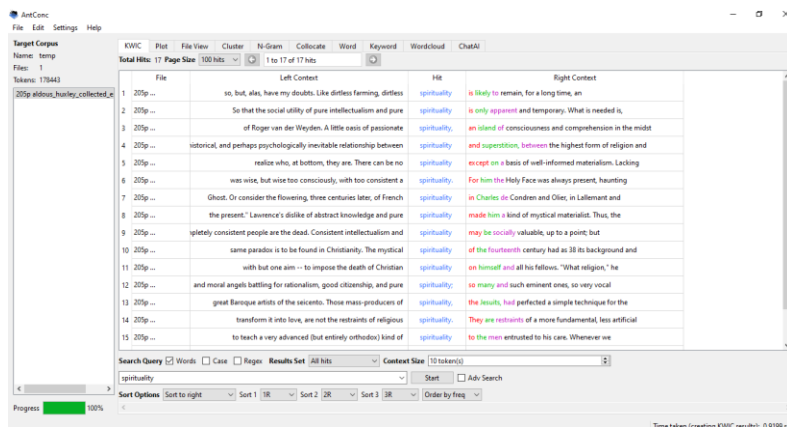


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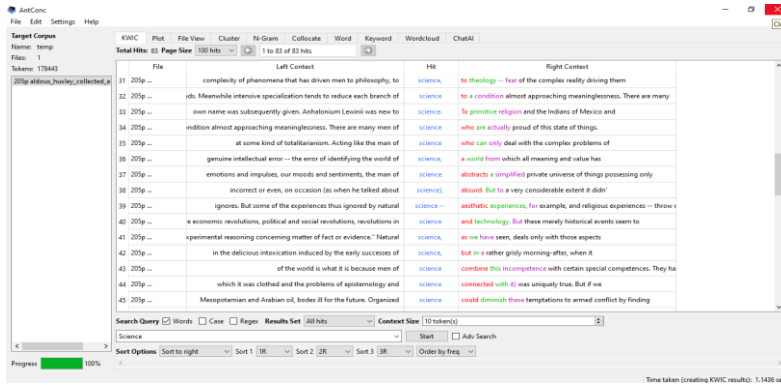


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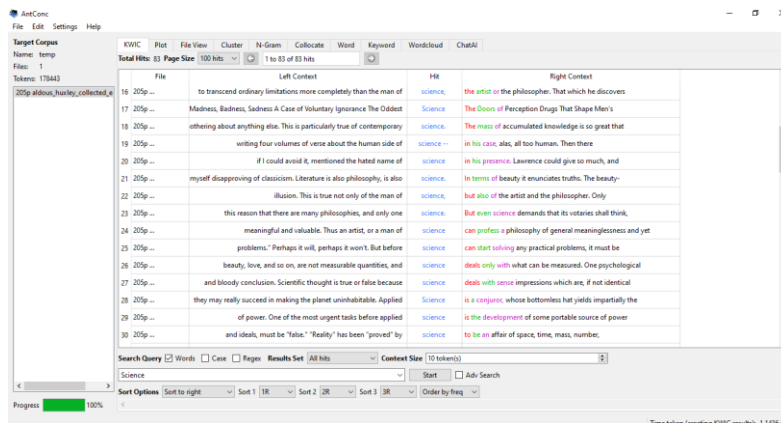


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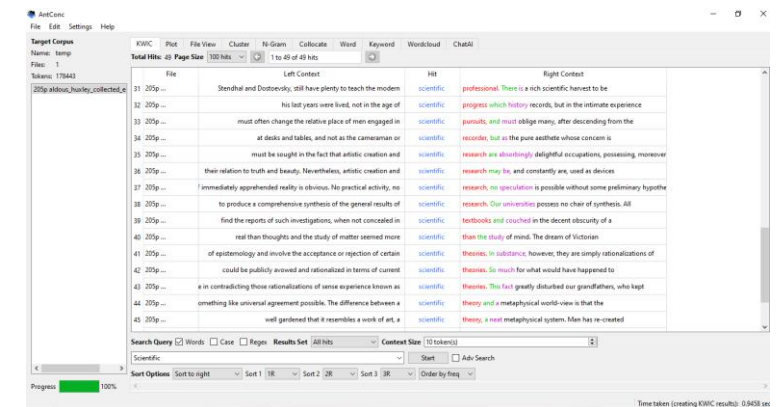


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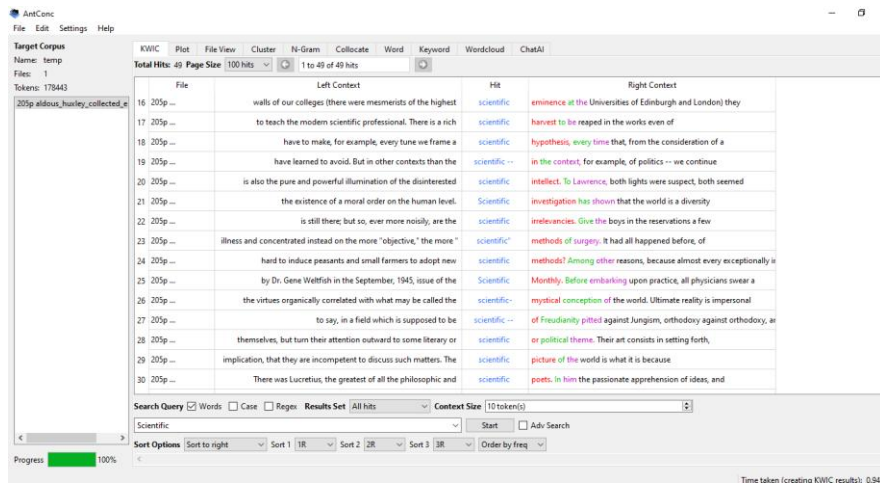


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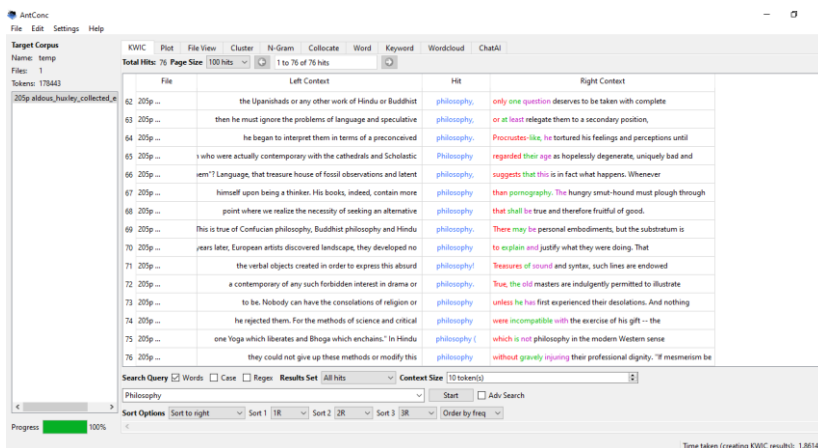


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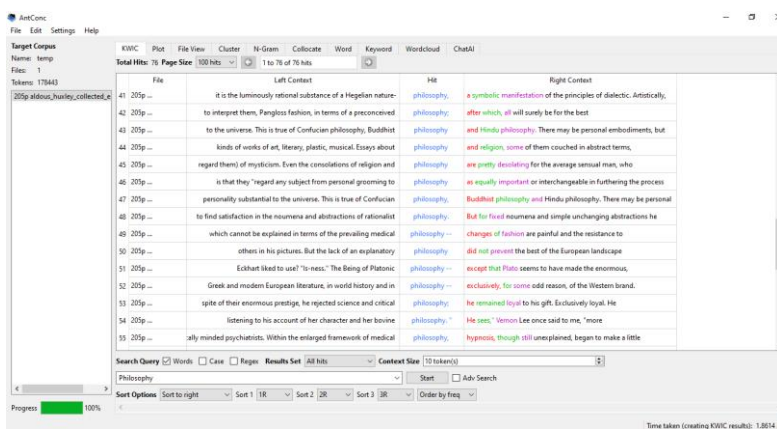


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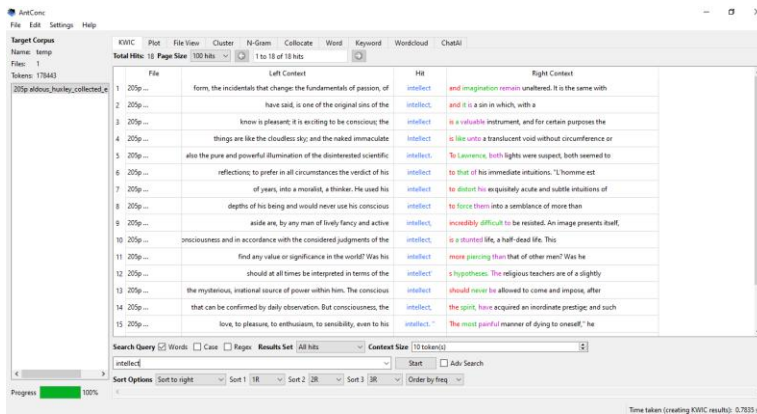


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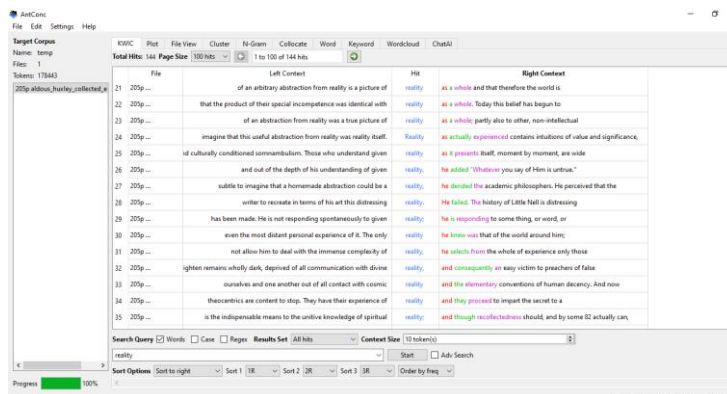


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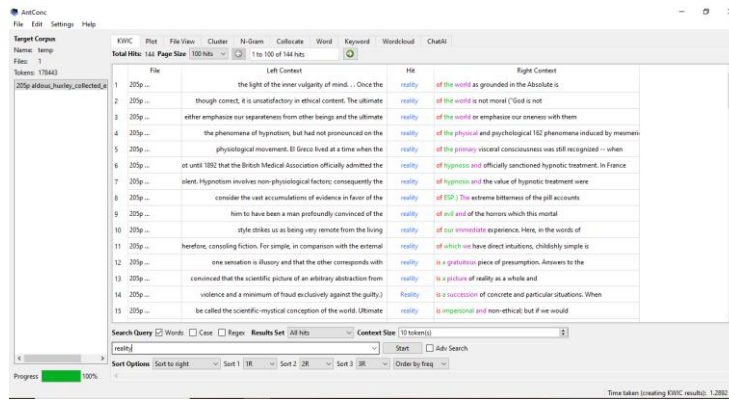


Figure A15

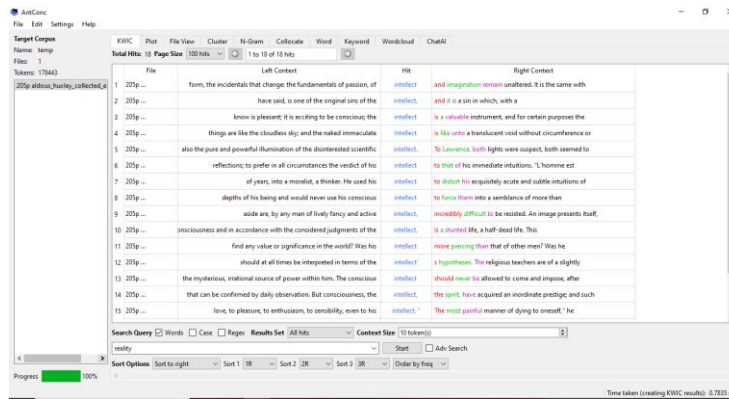


Figure A16

