



## Investigation of Phonetic Structures of Language in Terms of Emotions, Beliefs and Attitudes

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## Abstract

It is abundantly obvious that a variety of various considerations are considered when one makes the decision on whether or not to self-identify as multilingual. It is not yet obvious what other components are involved; nevertheless, it is probable that certain constructs are involved, such as feelings, beliefs, and attitudes; these will be discussed in more detail in the following paragraphs. Modeling identities that span many languages involves the use of hidden variables. According to Cook and Citation2008, language experience is connected to a wide variety of historical, cultural, and social aspects, in addition to repertoires and affinities ( Block , Citation2009; Norton Peirce , Citation1995). Students are likely to be influenced, both in the past and in the present, in their perception of themselves as multilingual by the amount of exposure to and interaction with languages that they have had at home, in the classroom, while traveling, in the community, or using digital means. Likewise, a number of researchers (e.g. Ceginiskas, 2010; Fielding, 2016) have



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noticed that the potential of students engaging with the many languages in their repertory has an effect on both the students' knowledge of multilingualism and their own definition of the term. In addition, we contend that prior experience will also have an important bearing on the final result in a major way. Because of this, we made the decision to include it as a latent variable in order to investigate the connection between multilingual identity. This manifesto is directed for the community of sociolinguists in order to support the immediate need of moving forward with a cross-cultural research paradigm. This paradigm will combine a larger variety of languages, including those spoken in Western and non-Western civilizations as well as those spoken in the many cultural groupings and communities found within the countries that we are researching. This will allow us to see things from a broader perspective and open doors to exciting new opportunities that will ultimately lead to new discoveries. An expanded perspective is not only required for conducting scientific research that involves questioning the cultural and linguistic foundations of our knowledge, but it is also required as an ethical requirement that requires us to use our professional expertise for the benefit of all speech communities. Not only is an expanded perspective required for conducting research that involves questioning the cultural and linguistic foundations of our knowledge, but it is also required for conducting research

**Keywords:** *Linguistics, Phonetics, Emotions and Language, Examining the Expression of Emotions in Linguistics*

## Introduction

The United Nations (UN) recognizes the right of all cultures to use and preserve their native languages as a vital component of human dignity (United Nations, 1992). The field of linguistics has made it a priority to fight for the protection of these rights. Variationist or Labovian: Which Is Better? The sociolinguistic tradition is primarily what we want to criticize in this article. Despite the fact that it has emerged as one of the most significant subfields of sociolinguistic study since the 1960s, the linguistic and cultural foundations on which it is based are still only to a certain extent developed. Research conducted under this framework makes use of quantitative research methodologies and places its primary emphasis on the social and linguistic processes that are integral to the development and progress of languages. Other research traditions in sociolinguistics



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and sister fields such as linguistic anthropology and sociology of language deal with cross-cultural questions in language and related topics such as multilingualism, linguistic imperialism, and language maintenance and shift; variationist research, on the other hand, focuses on how languages change over time and how they are maintained. Unfortunately, sociolinguistics has not reaped many of the potential advantages that may be gained by adopting these views. The number of languages for which a concerning little quantity of variationist study has been carried out is a source of great concern. The great majority of people solely speak English, followed by Spanish, Portuguese (mostly from Brazil), French (primarily from Canada), and a few other European languages. The Portuguese language is the most widely spoken in Brazil. The overwhelming majority of people speak English. These languages are linked in a typological sense as well as in a genealogical one;

*“They all come from the western branches of the Indo-European language family, especially the Germanic and Romance languages”*

Certain language families are only seldom investigated, and of the nearly 7,000 languages that are now in use (Eberhard et al., 2020), the great majority have only been the focus of a single piece of study. Equally restricted is the cultural foundation upon which our work is built:

*“While most of the research has focused on the United States, Canada, and the United Kingdom, some studies have been done on a small number of other Western civilizations, or so-called Western civilizations.”*

The Northern Hemisphere ( Dados and Connell , 2012). This topic, which has been brought up by several academics such as Nagy and Meyerhoff (2008) and Meyerhoff and Nagy (2008), is one that focuses mostly on the cultural aspect rather than the linguistic one (2008). Although there is some research that sheds light on non-European languages and non-Western populations, Stanford (2016) observes without exaggeration that sociolinguistics as a whole "is not enthusiastically concerned with underrepresented languages." This is even though there is some research that sheds light on these topics (p. 526). Within the discipline of sociolinguistics, the work of Smakman (2015) focuses on a variety of "Westernization processes." The educational and linguistic backgrounds of editors and writers, as well as the language and national focus of the work that is



published in the six most important journals, are examples of some of the "Westernization processes" that are at play. He concludes that even if there is interest in non-Western languages in the region, European languages continue to attract the most attention. This is the case even though European languages only represent a small portion of the world's total population and linguistic diversity. But same limitations are visible, if to a lesser degree, in other currents of sociolinguistic studies that utilize qualitative and ethnographic research methodologies. These studies have been criticized for their inability to account for cultural differences. "the area of sociolinguistics has failed to comprehend the increasingly worldwide nature of research," as Meyerhoff and Stanford (2015) point out. The purpose of this paper is to function as a rallying cry for the development of a translingual and transcultural morality and practice for our industry. A good many of our other coworkers are aware of these flaws as well as the need of considering different cultures.

## Method

One may obtain a sense of the breadth of languages and countries by reading articles published in key sociolinguistics journals and attending presentations at important sociolinguistic conferences. investigated using the field of sociolinguistics. There have been a substantial number of studies that have offered data to suggest that journal articles often have a restricted focus on international and linguistic issues. 66% of publications published in Linguistic Variation and Change (LVC) (46% from the United States, United Kingdom, and Canada) and 76% (64%) of articles published in the Journal of Sociolinguistics (JofS) are studies for Western nations. this includes the United States, the United Kingdom, and Canada. Reviewing publications that were published up until 2008 in Linguistic Variation and Change (LVC) and the Journal of Sociolinguistics, Nagy and Meyerhoff (2008, pages 9–10) drew their conclusions ( JofS ). Research was done by Smakman (2015) on 521 papers that were published between 1993 and 2003. He found that an average of 82% of articles were on countries in Western Europe. In his analysis of 149 LVC papers that were published between 2006 and 2016, Stanford (2016, page 527) discovered that 86% of publications focused on European languages, the majority of which were written in English, while just 14% of articles focused on all other languages combined. When these investigations were completed, there has not been a discernible improvement in the limited language and cultural focus. In addition to the papers that were presented at NWAV in 2016, 2018, and 2021, we investigated the most



contemporary issues of LVC (vol. 28–33, 2016–2021) and JofS (vol. 18–25, 2014–2021). — Variationist Perspectives on Emerging Methods of Analyzing Variation The most significant conference that sociolinguists must attend. We conducted a review of the studies conducted in the various languages and nations. To highlight cultural and geographic bias, we use a popular categorization known as Western (countries from Europe and North America, as well as countries from Australia and New Zealand) and non-Western (countries from all over the world). This categorization divides countries into two groups: Western (countries from Europe and North America, as well as countries from Australia and New Zealand) and non-Western (countries from all over the world accessible via the various data. We are aware of the controversy that surrounds this particular conceptualization (see Huntington, 1996; Said v. 2001); an alternative classification contrasts the Global North and the Global South based on economic (advanced industrial and developing) and historical (prior colonization) factors respectively ( Dados & Connell , 2012). While there are some minor distinctions between the two systems (for instance, Japan is categorized as non-Western despite being found in the Northern Hemisphere), the outcomes of any categorization are equivalent for the purposes of our investigation. There has been very little study conducted on the languages spoken in less developed parts of Asia, Africa, and indigenous communities in the Americas. In this article, we make reference to both groups, although when addressing countries that have a relatively recent history of colonialism and/or economic backwardness, we lay a stronger focus on the Global South.

## The Study of Language, Especially Its Structure, Variation, and Use

The study of language, particularly its structure, variation, and use; the definition and documentation of contemporary languages; and the mind and brain as the results of language theories for understanding human culture and social behavior, as well as the learning and teaching of languages. Linguistics. Definition and documentation of contemporary languages. Mind and brain as the results of language theories. The fields of study known as phonology and phonetics, which are sometimes referred to as the study of the sound systems of languages, concentrate on the fundamental utterances that are responsible for the formation of spoken language. It is feasible to learn this by investigating the anatomical components of the vocal tract (such as the lips and tongue) that are responsible for the production of distinctive language sounds that are utilized to



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communicate information. It is not impossible. The fields of morphology and syntax in linguistics are responsible for the investigation of the components that make up the internal structure of words and sentences. Linguistics encompasses a wide range of topics, one of which is the investigation of the ways in which languages produce sounds, in addition to the analysis of the construction of words and sentences. Linguists also attempt to determine the meanings of individual words as well as the meanings of word combinations. The study of this subject is known as semantics. The study of semantics known as pragmatics examines the meanings of various word and phrase combinations by looking at how those combinations interact with other pieces of information that are present in the context in which they are found. Linguists are interested in how people obtain language knowledge, how this information interacts with other cognitive processes, how it differs between speakers and geographic locations, and how it can be modeled numerically. In addition, linguists are curious about how this information can be modeled. They investigate the ways in which the structure of different components of language (such as sounds or meaning) may be represented, the conceptual ways in which diverse linguistic patterns can be described, and the ways in which various components of language can interact with one another. Empirical research is used by a substantial number of linguists as a tool to assist them in gaining understanding into a specific language or into languages in general. gathers data. In the classroom, out in the field, and in the labs at the universities, it is feasible for them to engage in conversation with both youngsters and adults. Studies in the field of linguistics have important interactions with studies conducted in a wide variety of fields such as psychology, anthropology, neuroscience, law, and philosophy., computer science, communication, and education. This is because language has such a pervasive influence in our day-to-day lives. Students who major in linguistics are able to put their theoretical knowledge to use in a variety of real-world contexts, such as the fields of law and forensics, the computer industry, the teaching of foreign languages, and English as a second language, translation and interpretation, speech pathology, and lexicography. These are just a few examples.

One thing that all of these various kinds of professions have in common is the need to find employees who have very sophisticated capabilities in the interpretation and application of spoken or written language. Individuals who decide to concentrate their studies on linguistics gain exactly these kinds of skills. Spanish and English have numerous similarities; This is fantastic news for



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individuals who are seeking to learn English and speak Spanish. To begin, the Latin alphabet serves as the foundation for the written forms of both of these languages. The creation of a phonemic and phonological foundation is aided by the information presented here. Second, between 30 and 40 percent of all words in the English language have a counterpart in the Spanish language. Students will have an easier time transferring their vocabulary to their second language if they choose homogenous terms, which are words that are very similar to one another in look, sound, and meaning.

Lastly, although there are some variances in word order ( in Spanish the noun comes before the adjective, in English the adjective comes before the noun), the essential structure of the sentences in both languages is relatively similar (compared to English and Chinese or other non-Latin languages) (compared to English and Chinese or other non-Latin languages). In conclusion, the process of learning to read and write comprises the same fundamental phases from the beginning till the end (phonemic awareness, decoding, fluency, comprehension, writing mechanics).

## Literature Review

Students will have an easier time transferring their literacy knowledge from Spanish to English if their teachers and they are aware of the significant parallels that exist between the two languages. This will help students save time and remove any element of guessing that may have been there. It is vital to devote some of your time to reflecting on the social circles that you are a part of. It's possible that you've made a mental list of the people in your life, including members of your family, classmates, pals you've made via various other pursuits or hobbies, individuals you know from your circle, and people you know who are also in your circle. The majority of the connections that come to mind at this stage are likely to have a common denominator in the form of age. While this isn't always the case (for instance, not everyone in my family is the same age!), there will naturally be numerous groups in your life that are segregated by age categories. Now think about how the way you use language may shift depending on which of these social groupings you are a member of. When you are conversing with your friends, you could use language that is less official and more colloquial than when you are interacting with your neighbors. While speaking to senior members of the family, you could find it more comfortable to use language that is more official or





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prestigious than when speaking to younger members of the family, such as siblings. You will notice that people of different ages may use different forms of language when speaking to you, and you will find that different language patterns form depending on the age of the people you associate with. You will also discover that different language patterns form depending on the age of the people you associate with.

This is a powerful illustration of how age is a key component in sociolinguistics, and stands as an example of this on its own. The majority of the connections that come to mind at this stage are likely going to have a common denominator, and that is age. While this isn't always the case (for instance, not everyone in my family is the same age!), there will naturally be numerous groups in your life that are segregated by age categories.

This is a powerful illustration of how age is a key component in sociolinguistics, and stands as an example of this on its own. Several generations of individuals of varying ages use language in a wide variety of settings and for a wide variety of reasons.

To begin, there is the concept that people of varying ages will acquire and utilize language in various ways depending on their age group. This theory comes from the observation that children learn language differently than adults. Hence there is a connection between the age of a person and the way in which their use of language has evolved over the course of their existence. In this post, we take a look at the many different aspects that play a role in the development of each of these age and language divisions. These elements include a variety of characteristics that have a role in the development of each of these age and language subgroups. We also take a brief look at how speech and language therapy may assist people of all ages in improving their capacity to communicate effectively with one another and how this might be accomplished.

There are distinct linguistic differences between the various age groups. There is a strong probability that individuals of any age group may comprehend the language that you generally use. This holds true regardless of the age group that you belong to. You are able to talk in a manner that is quite informal or casual and use a language that belongs to a category that is more non-standard. This is something that is conceivable.



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may be located anywhere on the spectrum of prestige based on a variety of traits, including those that are inherent to one's identity. Your employment, your ethnicity, your gender, the activities you choose to participate in, and a host of other things will all have an impact on the language that you use most often. Age is one of these important factors to take into account. Language is often cited as one of the factors that is regarded as being of the utmost significance. The majority of the time, we communicate with one another using this particular approach. Every language has its own characteristics and is governed by its own particular rules. Grammatical rules and other components of linguistics are necessary in any language since they are what determine the meaning of individual sentences. You won't be able to understand anything since nothing will make sense to you if you don't have any knowledge of grammar or linguistics. The study of language may be broken down into a number of subfields, two of which are known as linguistics, and the other is known as grammar. In contrast to the field of linguistics, the study of grammar can be traced all the way back to the 15th century and is regarded as the more conventional approach to examining language. On the other hand, the study of linguistics is a relatively recent development in the field of language studies. Remembering that grammar is exclusively concerned with the form of written language and sentences is a point that cannot be emphasized enough how crucial it is to keep this in mind.

## Results

When we talk about "grammar," we're referring to a collection of rules and ideas that govern the structure of sentences as well as the language as a whole. Aristotle, Plato, and Greek were the ones who invented grammar in the 15th century BC, and their work can be traced back to that time period. Greek also contributed to the development of grammar. On the other hand, the formation of English as a distinct language did not take place until the 18th century, which corresponded with the commencement of writing for the majority of grammarians. A language's grammar is comprised of its fundamental principles, which might include verb tenses, prepositions, and adjectives (as well as their proper sequence), how to make inquiries, and a great deal more about the formation of sentences.



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Without proper grammar, phrases and words are meaningless, and it would be difficult for people to communicate with one another. Because of this, proper grammar is vital for people to be able to connect with one another. Authors and the audiences who consume their works, as well as presenters and listeners, need to operate within the same system in order to comprehend and communicate with one another. To put it another way, a language that lacks grammar is like to a stack of bricks that lacks any kind of support to keep them together. In spite of the fact that the fundamentals are there, we are unable to make use of them since they are not operating correctly. In addition, there are standards of prescriptive use that should not be followed, but there are also laws of prescriptive grammar that must be observed. The majority of the time, publications on grammar will provide a dictionary of grammar terminology along with definitions of these terms and directions on how to appropriately apply grammatical rules. This involves making sure that your grammar, spelling, and diction are all correct in your work.

## What Exactly Is Grammar?

Every human language is a collection of information and skills that enables its speakers to communicate with one another, to transmit ideas, hypotheses, sentiments and wants, and anything else that needs to be conveyed. This collection of knowledge and abilities is called a language. Linguistics, like every other intellectual discipline, has as its primary goal the expansion of our perspectives, both in terms of the information that we know and the way in which we comprehend the outside world. Linguistics is a field of study that equips students with information that can be used in the "real world." This is since language is present everywhere and is necessary for all types of human interaction. Linguistics is a rather wide topic of study that furthermore incorporates a variety of specialist subfields within its scope. Most professional linguists ultimately decide to concentrate their efforts on one or more of these subfields. The following are the areas of linguistics that see the greatest practical application: The study of the sounds that make up speech is called phonetics. Phonology is the study of the ways in which different languages organize their sound systems. Morphology is the study of the building blocks of language, specifically word structure. Syntax is the branch of linguistics that investigates the production of linguistic entities that are more complex than individual words. Semantics is the term that refers to the study of semantics. There is one specific sub-domain that is linked to them, but there are also several other



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sub-domains that are connected to them. Take, for instance: The study of past languages and their cultures. The field of study known as historical linguistics focuses on the development of language as it relates to past events. It provides an answer to the question "why is modern English different from ancient English and middle English?" that was posed before. When individuals say that English and German are "more intimately related" than English and French, what exactly do they mean by that phrase?

Sociolinguistics is a field of research that focuses on how the use of language varies depending on the setting. It investigates questions such as what factors contribute to their having a more "prestigious" reputation in some languages as opposed to others. Where did the use of slang originate, and what are some of the factors that contributed to its development? What happens when people who speak two different languages interact in communities that are referred to be "bilingual"? psycholinguistics The study of how the human mind processes information to make sense of language is the focus of the academic discipline known as psycholinguistics. "How is it that individuals can listen to a string of linguistic sounds in succession and yet be able to understand what's being said?"

How is it that children and teenagers can speak and comprehend the language of their surroundings so rapidly and without much difficulty? What characteristics set those with pathological language issues apart from those whose language is normal? The study of how language is physically stored in the human brain is the focus of the academic discipline that is known as neurolinguistics. Questions such as "How does the actual storage of language work?" and "Which areas of the brain are responsible for storing many linguistic aspects?" are investigated in "Which regions of the brain are responsible for storing many linguistic aspects?" While a language is being broken down in the brain, what types of physical processes are going on at the same time? After a damage to a specific region of the brain, how does the rest of the brain work to heal itself? Using Computers in Linguistics The process of determining the characteristics of a language about its phonology, syntax, and semantics is an essential component of not just learning but also comprehending that language. When research on the relationship between language theory and language instruction first started, it can be traced back to the latter part of the 19th century. This is when the link between the two was first investigated. The connection between the two schools of thinking was



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investigated once again in the 1960s, which is when both schools of thought came into being. The first school of thought held that linguistics did not have the same level of significance as was formerly imagined; in other words, that the significance of linguistics had been overstated. Several linguists, including Johnson (1967) and Lamendella (1969), have voiced their disagreement with the concept that linguistics ought to be considered the basis of a methodology for the instruction of students. Lamendella (1969) believed that it was a mistake to seek transformational grammar or any other theory of linguistic explanation to offer the theoretical framework for the teaching of a second language, and that there were better options available. Lamendella also believed that transformational grammar was not the only theory of linguistic explanation available. In a declaration that was published in 1979, Levenson said that "no school of linguistic analysis has a monopoly on truth in the characterization of speech phenomena." It is possible to demonstrate that the circumstances in which language is taught, including but not limited to the teaching of grammar in schools and online, have a specific importance to grammar instruction. Meng ' According to e's argument in 2009, one must necessarily have the belief that the second point of view is the one that is accurate.

Both the discipline of linguistics and the area of teaching languages have interactions with one another. During the whole of this essay, any conversation pertaining to the teaching of languages, whether its educational theories or pedagogical techniques, will be applicable. This sheds light on the process by which one individual conveys their thoughts and ideas to another. People who use a language often do not have a conscious knowledge of the glass itself; rather, they are primarily aware of the thoughts that are swirling inside them. The structure of language is see-through, and it requires a great deal of self-control to direct one's attention to the structure rather than the meaning of what is being communicated. Linguists are required to go through training that teaches them how to maintain their focus on the task at hand (Chafe 1994, p. 38):

*“Wallace Chafe's metaphor that language is like a glass pane that they are taught to focus their attention on ”*

While Tom and Meriel Bloor (2004) were authoring their article on terminology in linguistics, they offered an intriguing parallel. They want us to picture a tyrant in charge of a country that



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outlaws the use of technical words in garages. As a direct consequence of this, those who maintain motor vehicles cannot use terminology like "reverse selector pivot pin" or even the word "brake" for that matter. Both "language" and "linguistics" are distinct nouns, each of which must be used in a certain way based on the surrounding context. Language is described as "a way of communicating cognition via the use of annotated sounds," according to one definition of the term. On the other hand, linguistics is a branch of linguistics that concentrates on languages and their structures. Parallel study of several languages is what this refers to. Because of this, it is essential to have a firm grasp on the fact that the Uralic human languages are, at their most basic level, the same as one another; rather, they are all manifestations of the same thing, which is human language (Aronoff, 2007). The definition of "language" offered by Michael Halliday (2003) states that "language is a system of meaning," which is also referred to as a "semiotic system." "Language is a natural instrument that promotes communication between individuals," Muharrem Ergin (1990) says in his research. Since it is a living creature with its own set of rules, it can only grow in tandem with the organism. Also, it is a contractual arrangement mechanism. It is a social institution, the basis of which was established in unknown ages, and voices have always been entwined with it.

## Argument

Linguistics as an academic discipline is centered on the study of language as its primary subject matter. Because of this, it is possible to assert that the fundamental building block of the study of linguistics is language itself. Actually, the study of linguistics is impossible apart from the presence of different languages in the world. According to Aron (2011), the field of linguistics investigates a variety of topics, some of which include the composition of languages, the numerous phonetic shifts that take place within languages, the evolution of the meanings of certain words throughout the course of history, and other topics of a similar nature.

On the other hand, each language has a unique set of characteristics that are inherent to it. Because of the unique and distinct properties that each of the languages has, the field of study known as comparative linguistics has been more important in recent years. Every single human being has a fundamental organ known as language. Only humans can acquire new knowledge and come up with their own words and expressions, which is what sets them apart from other living things. As



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a direct consequence of this, the ability for language is one of the primary characteristics that sets humans apart from other members of the animal world. Language is described as "the traditional system of oral or written symbols used by persons in a similar culture to communicate with one another," according to the Merriam-Webster Dictionary. The style of thinking of a culture is reflected in and affected by that culture's language, and changes in the way of thinking of a culture are reflected in and impact the evolution of that culture's language. According to Derwing (1973), language is intimately associated with the process of communication and cannot be effectively defined or understood when isolated from its communicative surroundings. This is because language is inexorably tied with the process of communication. This implies that it is linked. "The art of transmitting thoughts, emotions, and hopes through freely formed symbols" is what linguists call "the method of language."

"Thoughts, emotions, and wants may all be communicated via the medium of language" (Edward Sapir, Harcourt, Brace and Company, 1921). "Language, like culture, is the other most human quality, remarkable for its unity in diversity: there are many languages and many cultures, all different but fundamentally the same, because there is only one human nature, and because this is a fundamental characteristic of man, nature is both language and It is also a way of allowing such diversity in culture." "There are many languages and many cultures, all different but fundamentally the same, because there is only one human nature, and because this is "Language, in addition to culture, is the other most human attribute, renowned for its unity in variety." (2007) That has been said by Aronoff. "Language is a collection of arbitrary vowel symbols with which a social group may work," the thesis that Bloch and Trager presented in 1942 states. According to something that was said by Noam Chomsky in 1957 on page 13, "Language is intrinsic because significant components of human language ability are produced in the brain and encoded in our DNA." Evidence of linguistic diversity may be found as far back as the beginning of recorded history. Therefore, language is present in a human being from the moment of birth, and everyone has the capacity to acquire language auditorily or nonverbally. Nevertheless, the signs and symbols that are utilized to convey the language differ depending on the culture and civilization that is being discussed. For instance, the term "sun" in English and the word "sun" in Persian both refer to the same concept even if their spellings are different. Hence, even though the sounds of the



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languages and the structures of each language are distinct from one another, the meanings of each language are same. The process of learning English in nations where it is not the native language is a significant challenge for many individuals who are attempting to do so. Since English is not often used in day-to-day interactions, the vast majority of people are unable to properly learn the language. Numerous academics have conclude that individuals who live in countries where English is not their native language do not need English as a necessary function in their day-to-day lives and communication because they do not speak English as their mother tongue. Instead, English is studied for educational or academic reasons in these nations, and it is often learnt via classroom teaching (Behroozizad , Nambiar , & Amir, 2014).

Because they are only learning English for instrumental reasons, such as applying for a job or enrolling in a university, language learners in this scenario cannot automatically learn English effectively. This demonstrates that students' willingness to learn English is dependent on the circumstances in which they find themselves. Since maintaining continuity in one's efforts to acquire a language is one of the most significant components in becoming a fluent speaker of a foreign language, it is necessary that learning English be a continuing activity to find a solution to this difficulty. The primary challenges that arise while attempting to acquire a language in a manner that does not adhere to the prescribed order are the focal point of this specific line of inquiry. In this scenario, the right pattern relates to the strategies that people use during the process of learning a language; the less these individuals know about LLS, the less effective they will be in their attempts to learn English. Several theories on LLS have been produced by specialists from a variety of fields. Nonetheless, the LLS hypothesis, which was developed at Oxford and is now supported by most scholars, may be summarized as follows: (1990).

Many people who are learning English acknowledge that LLS is either an extremely helpful tool or a significant key that helps them to learn English more effectively. According to O'Malley and Chamot (1990) and Oxford (1990), it was found that LLS was the most effective method to teach pupils English in a timely manner. These writers feel that LLS can assist students in mastering their English abilities (speaking, listening, reading, and writing), and therefore, plays a significant part in the process of learning a second or foreign language. It is plausible to suppose that the LLS serves as a doorway for most individuals who are learning English as a second language to acquire





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English in a manner that is both more effective and more efficient. In conclusion, determining the forms of LLS that are most often utilized by language learners is incredibly significant since it may detect and address students' learning issues and enable instructors to overcome the challenges students have when learning English. One of the many exciting facets connected with the use of LLS is the fact that various individuals may learn English via several distinct approaches. To put it another way, the many LLS that are available to students may be of use to them in their academic pursuits.

It is usual for some elements, such as gender or age, to have a part in how individuals apply tactics, and they may do so in the same or diverse ways depending on the situation they are in. In general, the following are some of the factors that might impact LLS choices:

- (1) *awareness level,*
- (2) *learning phase,*
- (3) *of the task ,*
- (4) *from the teacher ,*
- (5) *age ,*
- (6) *gender ,*
- (7) *nationality and ethnicity,*
- (8) *general learning style, personality traits,*
- (9) *motivation level and the purpose of learning the language.*

It is possible that a teacher will be better able to assist their pupils in successfully acquiring English if they have a greater understanding of the degree to which these factors impact the usage of LLS. In this specific illustration, the use of LLS in this study is going to be decided by factor selection based on a variety of different elements. In this study, gender and age were chosen as parameters for the use of LLS because it required less time, and the researchers wanted to ensure that the teaching and learning process was not disrupted in any way. In other words, gender and age were chosen as parameters for the use of LLS because it required less time than other options. In addition to the fact that these features involve a little amount of effort commitment, it is not difficult to identify them.



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When looking at preferences for LLS, factors such as gender and age might have a substantial influence on preferences for such factors. LLS may be used in a variety of singularly specific ways by pupils of varying ages and genders. Investigations into these concerns have been conducted in a number of different ways. For instance, several studies have been carried out by a large number of researchers and have focused on the connection between gender and the use of LLS (Aydoan and Akbarov, 2014; Bonzinovic and Sindik, 2010; Tam, 2013; Xiyong, 2010). They investigated the link that exists between gender and LLL consumption. There were considerable disparities in the way male and female language learners benefited from LLS, as shown by some of the results. LLS is used by female students, on average, more often than it is by male students ( Bonzinovic & Sindik, 2010; Tam, 2013; Xiyong , 2010).

On the other hand, Aydogan and Akbarov (2014) and Rahimi, Abdolmehdi, and Shahrzad (2008) found that there was no statistically significant difference in the LLS preferences of male and female language learners.

They found that females who were learning English tended to use the same learning approaches as boys, and they did so with a frequency that was comparable to that of boys. To put it another way, LLS coverage acknowledges the fact that both male and female students have equal potential to attain exceptional language learning outcomes, even though outstanding language learners are more likely to be women or women. Secondly, with respect to the problem of age and the use of the LLS, several research suggested that older language learners utilized more strategies for language acquisition than younger language learners did (Chen, 2014; Sepasdar & Soori , 2014). They observed that older students utilized more techniques while learning a language, and Sepasdar and Soori (2014) discovered that older students (19-23) tended to use compensatory strategies more than younger students. Both findings can be found in Sepasdar and Soori (2014). The results of the younger pupils (12-16), who utilized compensating techniques less often, provided a stark contrast to these findings. In a research that was conducted in the same year among students from Taiwan, Chen (2014) came to the same conclusion. According to the research that Chen conducted, the compensating approach is the one that Taiwanese students utilize more often than any other strategy. Addressing the subject of the relationship between age and language learning methods, it was found that most of the research reached the same result, which is that



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older language learners utilized more strategies than younger language learners did to learn the language. Many investigations into this topic have led to the development of ideas and findings that conflict with one another.

In conclusion, taking into account the background of the research as well as the findings of earlier studies, the following questions raise a number of concerns that will be investigated in more depth during the course of this study:

- (1) Does gender play an important role?*
- (2) Is there a noticeable difference in the preferences of middle school and high school senior students regarding language acquisition methods?*

Then, considering the questions, the hypotheses to be tested were put forward as follows:

- (1) There is a significant difference in the preferences of male and female students when it comes to language learning tactics and*
- (2) language learning strategies, there is a big difference in the preferences of younger language learners and older language learners.*

Past studies have shown that there are individual as well as inter-linguistic variations in the planning strategies that are used throughout the process of language development. Yet, very little research has been done to investigate how these individual characteristics could change based on the language that a speaker would generate. The present study set investigates individual variations in the planning strategies shown by speakers of American English, French, and German. At the time that their eye movements were being monitored, the participants were questioned about the visuals that were being shown on the computer screen. In addition to this, we determined the processing speed of the participants and the quantity of working memory each individual had. The results of the present study indicate that French is planned more gradually than English and German are, although the planning process for English and German is shown to be less progressive (far further in advance) than French planning. This is because the French language was intended to be introduced more gradually (not too far in advance). The processing speed provided a realistic estimation of the scope of the planning endeavor for speakers of French, but not for speakers of



English or German. According to the results that have been reported in this article, the inclination of speakers to depend on various cognitive support systems while planning sentences is connected to the varied planning strategies that are prompted by the syntactic alternatives that are accessible in distinct languages.

## Conclusion

Since there is only room for one cake of this particular sort to be presented, it becomes a competition to get the word over to each of the clerks in a timely and efficient manner. Who are the individuals who are most likely to take part in this efficient message transmission when the circumstances are as described? Is it feasible, for instance, that a person who speaks French would have an edge over a person who speaks English or German because of the different ways in which words are ordered in each of their respective languages? In French, the phrase "gateau à la vanilla" would be written with the vanilla modifier placed after the noun cake. In English, this phrase would be translated as "vanilla cake." In either English or German, the modifier "vanilla cake" might appear before the noun that it modifies, as in "the cake" With the vanilla frosting," or it can come after the noun that it modifies, as in "the cake with the vanilla icing." A dependable placement of the post-nominal modifier in this phrase is likely to provide speakers of French with an overall benefit, allowing them to begin speaking more quickly. The individual cognitive differences between different speakers is still another idea. For instance, given the significance of working memory in the majority of ordinary cognitive operations, does the speaker who has the biggest potential advantage in working memory have the greatest possible benefit? Alternately, taking into account the importance of quick reaction time as a role in the situation Is the one who has the quickest cognitive processing speed chosen to be the one who speaks? The following is still another other option to consider:

*the optimal approach to speech planning for making this request in French involves different cognitive processes than the ideal speech planning strategy for making the same request in German or English? In such a situation, the advantage of any speaker depends on the interaction between the language they speak and the unique cognitive skills they have. This third alternative will be examined in this study.*



It has been acknowledged that the process of preparing sentences is a universal approach that can be used to all individuals, independent of the circumstances in which they find themselves. This is the same recognition that has been given to other cognitive processes. This phenomenon has been investigated in published studies in the field of psycholinguistics, and one example of it is the search for sentence planning "units" at different levels of language production, such as the message level, the syntactic level, and the phonological level. Other levels of language production that have also been investigated include the level of the message. It is possible to form the universal building blocks of the cognitive process. This possibility is expressed in the concept of a planning unit, which states that if the unit can be produced, then it is also possible to construct the unit itself. If this is true, then the possibility of forming the universal building blocks of the cognitive process exists. However, more recent research in the field of psycholinguistics has placed less emphasis on identifying universal similarities and more emphasis on the ways in which sentence planning processes can be adapted in response to a variety of external, linguistic conditions, and individual differences.

## References

- Bates E, Dale P, Thal D. Individual differences and their implications for theories of language development. In: Fletcher P, MacWhinney B, editors. Handbook of Child Language. Blackwell; Oxford: 1994.
- Beard JL, Wiesinger JA, Connor JR. Pre- and post-weaning iron deficiency alters myelination in Sprague-Dawley rats. *Developmental Neuroscience*. 2003;25:308–315.
- Bereiter C, Engelmann S. Teaching disadvantaged children in the preschool. Prentice Hall; Englewood Cliffs, NJ: 1966.
- Bradley RH, Corwyn RF. Socioeconomic status and child development. *Annual Review of Psychology*. 2002;53:371–399.
- Burchinal M, McCartney K, Steinberg L, Crosnoe R, Friedman SL, McLoyd V, Pianta R, NICHD Early Child Care Research Network Examining the Black–White achievement gap among low-income children using the NICHD Study of Early Child Care



- and Youth Development . Child Development. 2011;82:1404–1420.
- Crossley, SA, & McNamara, DS (2011). Text coherence and judgments of essay quality: Models of quality and coherence. In L. Carlson, C. Hoelscher , & TF Shipley (Eds.), Proceedings of the 29th Annual Conference of the Cognitive Science Society. (pp. 1236-1241). Austin, TX: Cognitive Science Society.
- Crossley, SA, & McNamara, DS (2012). Predicting second language writing proficiency: The roles of cohesion and linguistic sophistication. Journal of Research in Reading, 35 (2), 115-135. <https://doi.org/10.1111/j.1467-9817.2010.01449.x>
- Crossley, SA, & McNamara, DS (2014). Does writing development equal writing quality? A computational investigation of syntactic complexity in L2 learners. Journal of Second Language Writing, 26 (4), 66-79. <https://doi.org/10.1016/j.jslw.2014.09.006>
- Crossley, SA, & McNamara, DS (2016). Say more and be more coherent: How text elaboration and cohesion can increase writing quality. Journal of Writing Research, 7 (3), 351-370. <https://doi.org/10.17239/jowr-2016.07.3.02>
- Crossley, SA, Roscoe, RD, McNamara, DS, & Graesser , A. (2011) Predicting human scores of essay quality using computational indices of linguistic and textual features. In G. Biswas, S. Bull, J. Kay, and A. Mitrovic (Eds.), Proceedings of the 15th International Conference on Artificial Intelligence in Education. (pp. 438-440). New York: Springer. [https://doi.org/10.1007/978-3-642-21869-9\\_62](https://doi.org/10.1007/978-3-642-21869-9_62)
- Dale PS, Fenson L. Lexical development norms for young children. Behavior Research Methods. 1996;28:125–127.
- Darwin, R., & Norton, B. (2015). Identity and a model of investment in applied linguistics. Annual Review of Applied Linguistics, 35, 36–56. <https://doi.org/10.1017/S0267190514000191>



- De Boer, AGEM, Van Lanschot , JJB, Stalmeier , PFM, Van Sandick , JW, Hulscher , JBF, De Haes , JCJM, & Sprangers, MAG (2004). Is a single-item visual analogue scale as valid, dependable and responsive as multi-item scales in measuring quality of life? *Quality of Life Research*, 13(2), 311–320.  
<https://doi.org/10.1023/B:QURE.0000018499.64574>.
- Dewaele, J.-M. (2013). *Emotions in multiple languages* (2nd ed.). Palgrave Macmillan.
- Dewaele, J.-M., & MacIntyre, P. (2016). The two faces of Janus? Anxiety and enjoyment in the foreign language classroom. *Studies in Second Language Learning and Teaching*, 4(2), 237–274.  
<https://doi.org/10.14746/ssllt.2014.4.2.5>
- Dewaele, J.-M., Witney , J., Saito, K., & Dewaele, L. (2018). Foreign language enjoyment and anxiety: The effect of teacher and learner variables. *Language Teaching Research*, 22(6), 676–697.
- <https://doi.org/10.1177/1362168817692161>
- Dörnyei , Z. (2009). The L2 motivational self-system . In Z. Dörnyei & E. Ushioda (Eds.), *Motivation, Language Identity and the L2 self* (pp. 9–42). *Multilingual Matters*.
- Evans, M., Schneider, C., Arnot, M., Fisher, L., Forbes, K., Liu, Y., & Welply , O. (2020). *Language development and social integration of students with English as an additional language*. Cambridge University Press.
- Fielding, R. (2016). Bilingual identity negotiation in practice: Teacher pedagogy and classroom interaction in a bilingual program . *The Language Learning Journal*, 44(2), 152–168.  
<https://doi.org/10.1080/09571736.2012.757635>
- Fisher, L, Evans, M, Forbes, K, Gayton, A, & Liu, Y. (2020). Participative multilingual identity construction in the language’s classroom: A multi-theoretical conceptualisation . *International Journal of Multilingualism*, 17(4), 448–466.



- <https://doi.org/10.1080/14790718.2018.1524896>
- Fisher, L. (2001). Modern foreign languages recruitment post-16: The pupils' perspective. *The Language Learning Journal*, 23(1), 33–40. <https://doi.org/10.1080/09571730185200071>
- Fisher, L. (2013). Discerning change in young students' beliefs about their language learning using metaphor elicitation in the classroom. *Research Papers in Education*, 28(3), 373–392. <https://doi.org/10.1080/02671522.2011.648654>
- Forbes, K., Evans, M., Fisher, L., Gayton, A., Liu, Y., & Rutgers, D. (2021). Developing a multilingual identity in the language's classroom: The influence of an identity-based pedagogical intervention. *The Language Learning Journal*, 49(4), 433–451. <https://doi.org/10.1080/09571736.2021.1906733>
- Haukås , A., Storto , A., & Tiurikova , I. (2021). Developing and validating a questionnaire on young learners' multilingualism and multilingual identity. *The Language Learning Journal*, 49(4), 404–419. <https://doi.org/10.1080/09571736.2021.915367>
- Langacker , RW (Eds.). (2007). Cognitive grammar. In D. Geeraets & H. Cuyckens , *The Oxford handbook of cognitive linguistics* (pp. 421–462). Oxford: Oxford University Press. <https://doi.org/10.1017/s0022226709005775>
- Larsen–Freeman, D. (1978). An ESL index of development. *TESOL Quarterly*, 12, 439–448. <https://doi.org/10.2307/3586142>
- Laufer, B., & Nation, P. (1995). Vocabulary size and use: Lexical richness in L2 written production. *Applied Linguistics*, 16, 307–322. <https://doi.org/10.1093/applin/16.3.307>
- Laufer, B., & Waldman, T. (2011). Verb–Noun collocations in second language writing: A corpus analysis of learners' English. *Language Learning*, 61(2), 647–672.





- <https://doi.org/10.1111/j.1467-9922.2010.00621.x>
- Leijten , M., & Van Waes , L. (2013). Keystroke logging in writing research: Using Inputlog to analyze and visualize writing processes. *Written Communication*, 30(3), 358-392.  
<https://doi.org/10.1177/0741088313491692>
- Lenko-Szymanska , A. (2014). The acquisition of formulaic language by EFL learners: A crosssectional and cross-linguistic perspective. *International Journal of Corpus Linguistics*, 19, 225–251.  
<https://doi.org/10.1075/ijcl.19.2.04len>
- Struthers, L., Lapadat , JC, & MacMillan, PD (2013). Assessing cohesion in children's writing: Development of a checklist, *Assessing Writing*, 18, 187-201. <https://doi.org/10.1016/j.asw.2013.05.001>
- Taguchi, N., Crawford, W., & Wetzel, DZ (2013). What linguistic features are indicative of writing quality? A case of argumentative essays in a college composition program. *TESOL Quarterly*, 47, 420–430.  
<https://doi.org/10.1002/tesq.91>
- Tedick , DJ (1990). ESL writing assessment: Subject-matter knowledge and its impact on performance. *English for Specific Purposes*, 9, 123–143.  
[https://doi.org/10.1016/0889-4906\(90\)90003-u](https://doi.org/10.1016/0889-4906(90)90003-u)
- Tierney, RJ, & Shanahan, T. (1996). Research on the relationship: Interaction, transactions, and outcomes. *Handbook of Reading Research*, 2, 246.
- Verhoeven, L., Aparici , M., Cahana - Amitay, D., van Hell, J., Crisis , S., & Viguié -Simon, A. (2002). Clause packaging in writing and speech: A cross-linguistic developmental analysis. *Written Language and Literacy*, 5(2), 135-161.  
<https://doi.org/10.1075/wll.5.2.02ver>
- Vidakovic , I., & Barker, F. (2010). Use of words and multi-word units in Skills for Life Writing examinations. *Cambridge ESOL: Research Notes*, 41, 7–14.



Wagner, RK, Puranik, CS, Foorman, B.,  
Foster, E., Wilson, LG, Tschinkel, E.,  
Kantor, PT (2011). Modeling the  
development of written language.

Reading and Writing, 24, 203-220.  
<https://doi.org/10.1007/s11145-010-9266-7>