



***Transitivity and Modality of Trump's Tweets : A
Critical Discourse Analysis***

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Critical Discourse Analysis (CDA) is often used to analyze public discourse , more specifically, political discourse which is used by politicians to win public support whether in presidential elections or in post elections . This paper is based on Critical Discourse Analysis theory and Systemic Functional Grammar of Halliday (1985) . It will apply Halliday 's Systemic Functional Grammar in terms of two meta- functions : ideational function and interpersonal function . It will analyze Trump's tweets as President of The United States , mainly from the point of view of transitivity and modality .

It attempts to understand how Trump manipulates his language (i.e. tweets) to persuade the public to accept and support his ideology and force power , and further to know the character of the 45th. President of the USA . The main question is how Trump's transitivity processes and modality use are accurately used for their purposes . Trump use of Tweeter has acquired the world's attention . He uses Tweeter to comment on politicians in worldwide states affairs and daily news .The conclusion of this paper shows that most of Trump's language (i.e. tweets) which can be characterized as simple, colloquial and commonly impolite has gained its fruits which can be seen from the increased number of followers on Tweeter . Trump has imposed his ideology and power through tweets .

Key words : Trump ,Tweeter , Systemic Functional Grammar , transitivity , modality.

المستخلص

ان تحليل الخطاب النقدي يستعمل لتحليل الخطاب السياسي الذي يتناوله السياسيون للفوز بدعم الجماهير لهم في الانتخابات . يعتمد هذا البحث على نظرية تحليل الخطاب النقدي والقواعد الوظيفية النظامية لهالدي حيث ستحلل تويتات الرئيس الامريكى ترامب من وجهة نظر استخدامه لصيغة الفعل المتعدي والمشروطية . ويحاول هذا البحث فهم كيفية استخدام ترامب اللغة (تويتات) لخدمة ايدولوجيته وفرض سيطرته , بالإضافة لمعرفة شخصيته . والسؤال المطروح هنا هو كيفية الاستخدام الصحيح لترامب لصيغ الفعل المتعدي والمشروطية والتي تؤدي غاياتها. استخدم ترامب تويتر للتعليق على السياسيين في العالم ونقل الاخبار اليومية . ومن اهم استنتاجات البحث هو ان تويتات ترامب ذات اللغة البسيطة , عامية , غير اخلاقية عموما قد ادت الغرض منها وهذا واضح من خلال عدد المتابعين له في تويتر , فقد فرض ترامب سلطته وقوته وايدولوجيته من خلال تويتاته .

الكلمات المفتاحية : ترامب , تويتر , النحو الوظيفي النظامي , الفعل المتعدي , المشروطية .

1 . Introduction

Critical Discourse Analysis (CDA) is an analytical discourse discipline that is mainly concerned with studying how social power and dominance are abused , maintained , and reproduced within texts and different types of discourse . Thus critical discourse analysts seek to investigate , understand and resist social equality (Van Dijk, 1985) . CDA is the discipline where the social factor has an important role in explaining the speaker's meanings and intentions when using the language in any context . This means that there are many social and personal elements that participate in producing , interpreting or analyzing any discourse , and thus the scope of CDA . These elements are represented by beliefs , attitudes , culture , ideologies , education , etc. of the speaker, thus the domain of CDA . The main object of CDA is the relationship between language , ideology and power (ibid) .

Michael Halliday , an Australian linguist has developed the influential grammar model known as the Systemic Functional Grammar (1985) . It is one of the main foundations of Critical Discourse Analysis . CDA has developed rapidly in the end of the 20th. C. , especially in the field of political discourse which is of great interest for many scholars who have made vast contributions in this field . In this paper , the author is going to apply Halliday's Systemic Functional Grammar , in terms of only two metafunctions from the original three functions : the Ideational metafunction represented by Transitivity processes , and the Interpersonal metafunction represented by Modality use , to find out the formal features of Trump's Tweets . Its principle aim is to explore the relationships among language , ideology and power and the way how these are manipulated by Trump's Tweets to persuade his followers or tweeters to accept and support his ideology and policy .

2 . Methodology

The data of this paper i.e. Trump's tweets is taken from Trump Twitter Archive @realDonaldTrump . I have chosen Trump Tweets for ten days for the data for analysis ranging from 1st. October to 10th Oct. due to limitation of the study. October is chosen because it is loaded with very suitable material for analysis

about the impeachment inquiry against Trump . The first step in analyzing the tweets of Trump during the specified period is to read them all to delete repeated or irrelevant ones . Then a second reading is enhanced to each tweet carefully and assess it objectively looking for transitivity represented by its six processes and their participants . Then Modality represented by the use of modal verbs is identified from these tweets .

2.1 Data Collection Technique

In this paper , Halliday's ideational metafunction represented mainly by transitivity processes and the interpersonal metafunction represented mainly by modality are identified and analyzed . The transitivity processes , participants are pointed out carefully and objectively from Trump's Tweets . The second step is to make a quantitative analysis for these processes to arrange them within Halliday's tables of the occurrence of these processes to figure out each process rate of occurrence within the period of analysis and which one occurs more than the others . A qualitative analysis then is conducted to point out the exact reason behind the use of a highly occurrence process . The same techniques is followed to identify Modality in these tweets represented by the use of modal verbs only .

2.2 Model of Analysis

The researcher of this paper applies Halliday's theory of Systemic Functional Grammar (1985) as a model of analysis . More precisely , the theory is considered in terms of its Ideational metafunction which is represented by Transitivity processes and the Interpersonal metafunction represented by Modality . The analysis is made by following a qualitative and quantitative procedures in analyzing the data .

3. Theoretical Background of Systemic Functional Grammar

Systemic functional grammar is a form of grammatical analysis developed by Michael Halliday (1985) in which systemic refers to the view of language as "a network of systems or interrelated sets of options for making meaning" . Functional means Halliday's opinion that language has inherently evolved to be functional . He refers to the "functional components" of language which "determines the form taken by grammatical structure" (Halliday,1970 : 167).

Halliday refers to his functions of language as "Metafunctions" which can be generalized as : Ideational , Interpersonal and Textual metafunctions .

(a) **Ideational metafunction** :it represents the human experience of the real world and the internal world of his consciousness : his perceptions , reactions and understanding (Halliday ,1970:332) . It consists mainly of "Transitivity" and "Voice" in grammar , where the "clause" is the meaningful grammatical unit expresses what is happening, what is being done ,etc.(Wang ,2010) Transitivity has three components :

- 1- The Process itself which is realized by a verb phrase .
 - 2- Participants in the process realized by nominals functioning as subjects or objects .
 - 3- Circumstances associated with the process realized by adverbs or prepositional phrases . (Ismail,2019 :1)
- The transitivity system contains six processes as follows :

1) Material processes : are those verbs in which something is done . The material process is made with an action verb as (write , work, give) , an Actor (i.e. subject) and a Goal (i.e. the object) as in (The boy kicks the ball)

2) Mental processes : the verbs which denote mental phenomena as "perception, cognition , reaction" as (believe , understand , feel ,etc.) . Mental processes generally demand two participants as "Sensor and Phenomenon" . e.g. John likes Sara .

3) Relational processes : the function of these verbs is to identify or characterize (Halliday & Mattiessen ,2014) as verbs to "be" , "copular verbs" like (seem, appear , become ,etc.) and verbs of possession as (have, own , possess). Relational verbs are classified into two types : Attributive and Identifying . The relational attributive describes some attributes to a certain entity or what it has e.g. (My brother is tall and handsome) . while the relational identifying involves identifying something through something else e.g. (My brother is your friend)

4) Verbal processes are those verbs of exchanging information such as (say ,talk ,tell , explain, etc.) The main participants are : Sayer , Receiver and Verbiage .

5) Behavioral processes : these verbs refer to human physiologically and psychologically behavior as (smiling , coughing , dreaming , breathing ,etc.) .Usually there is only one human participant in this process called Behavior . The other participant is the Behaviour or Range (Halliday & Mattiessen , 2014:301) . e.g. (The girl smiled an embarrassed smile)

6) Existential processes which represent that something happens or exists . The existential process is found only with the verb "be" and subject "there" .e.g.(There is a garage near the hospital)

(b) *The Interpersonal metafunction :*

When the speaker uses language as the means of his own involvement into the speech event through his comments , attitudes , judgments and opinions . Also, when he is communicating with other listeners by using expressions of informing , questioning , greeting , persuading , etc. This function can be manifested by Modality and Mood choices (Halliday, 1970:333). Mood shows the role a speaker selects for any speech situation and the role he assigns for the addressee . If the speaker chooses the imperative mood , he will be assuming the role of one giving commands and the listeners or addressees as obeying these commands (Hu Zhuanglin, 1988)

Modality means the intermediate ranges between the extreme positive and the extreme negative i.e. between the choices of "Yes" and "No" . Modality is a linguistic system which shows the speaker's judgment toward the topic . It can also express the social role relationship , power relations and scale of formality . Modality in English can be manifested by the use of modal verbs , modal adverbs , adjectives and pronouns (Halliday & Mattiessen ,2014 : 177) . The present paper is restricted to show modality through Modal verbs only .

(c) *The Textual metafunction*

Halliday describes this function as : "Language makes links between itself and the situation ; and discourse becomes possible because the speaker or writer can produce a text and the listener can recognize one" (Halliday, 1970:334). He also adds that the textual function makes the language used in any context of situation relevant , having texture that recognizes a living passage from a mere entry in any dictionary .This function is responsible for all the linguistic or non- linguistic structures used to make a text well woven . Hu Zhuanglin (1988:315) agrees with Halliday that the textual function refers to the basis that language has certain mechanisms to make any stretch of spoken or written sentences into a coherent and unified text and create a living passage from a random list of sentences . Although two sentences may have the same ideational and interpersonal functions , but they may differ in their textual coherence . Due to the limitation of this paper , the researcher will not deal only with the Interpersonal function of Halliday .

4 . *Introduction to Trump's Tweets*

The use of Donald Trump of social media has attracted the world's attention . He usually uses Twitter and other platforms to comment on other politicians , celebrities and many others . From early in his presidency, his tweets are considered official statements by the president of the United States .

Trump likes Twitter where he feels safe, independent and can do whatever he likes . He is known generally for his too much tweets , insults , controversial statements to a degree that none has done before . Even many of his advisors warned him that these tweets may make him lose his supporters (Wikipedia, 2019:2). Trump's tweets and public discourse has gained him many critics as Brian L. Ott who stated : "Twitter breeds dark , degrading and dehumanizing discourse; it breeds vitriol and violence , in short , it breeds Donald Trump".(2017:59)

Brian makes an analysis of Trump's tweets for a period of seven months study where he concluded that the lexicon of Trump's tweets is simple and repetitious , which is based on monosyllabic words as "good , bad , and sad" . Also the tweets of Trump are predominantly : "negative in connotation which are outright insults" . This is somehow the reason behind his high rate at which he is retweeted . He uses so much exclamation marks and capitals where he is trying to make his followers emotionally involved with him . Trump's tweets which are simple , impulsive and uncivil do spread his ideology of racism , sexism and homophobia like a disease . His tweets make his followers see others as non- human and reflect hatred and discrimination (ibid : 62).

4 . 1 *Detail study on the Tweets of Trump*

Table (1) shows the statistics of Trump's tweets in the ten days period of the sample: The total number of tweets is 185 tweets (i.e.tweets about the impeachment inquiry against Trump) omitting the repeated and irrelevant ones . Trump uses very long sentences ; although simple in content , the main sentences range about 276 , each with at least two or three subordinate clauses . The total number of process types (i.e. verbs) used by Trump is 610 . **Table (1) statistics of Trump Tweets**

Statistical item	Statistics
Tweets per 10 days	185
Main clauses	276
Subordinate clauses	334

4.1.A. Transitivity Analysis

The ideational function means construing the human experiences by which we make sense of the real world around us . It is mainly represented by Transitivity which shapes our experiences into six process types which Halliday divides into : material, behavioral , mental , verbal , relational and existential processes . **Table (2) overview of process types (Halliday & Matthiessen , 2014 :89)**

Process types	Category meaning	Participants Directly involved	Participants Obliquely involved
Material	"doing" , "happening"	Actor , Goal	Recipient , Client, Initiator, Attribute
Behavioral	"Behaving"	Behaver	Behaviour
Mental	"sensing"	Sensor , phenomenon	
Verbal	"saying"	Sayer , target/ recipient	Receiver , verbiage
Relational	"identifying" "attributing"	Attribute , carrier , identifier	Attributor , beneficiary
Existential	"existing"	Existent	

Table (3) Transitivity in the sample Tweets

	Material process	Behavioral process	Mental process	Verbal process	Relational process	Existential process	Total no. of processes
No.	160	107	64	72	169	38	610
%	26.22	17.54	10.49	11.80	27.68	6.22	

From Table (3) , it is obvious that relational processes are used more than other processes in Trump's tweets with a percentage of 27.68% . Material processes rank the next in the percentage of use with 26.22% followed by behavioral processes with 17.54% . So , the researcher is going to analyze the use of these processes and their percentage in the tweets of Trump according to their hierarchal order :

1- Relational Process :

It is a process of being . It is classified into two types or modes : attributive relation and identifying relation . Attributive means the characteristics or attributes an entity possess or can be categorized with . While identifying relation means that an entity is equal to another . These processes are mostly used to identify and describe people and other entities .

Table (4) Relational processes from the tweets of Trump

Attributive	Identifying
"Schiff is a lying disaster ."	"It was just a congenial phone call ."
Biden to Trump : "I am creepy"	"This is a Democrat scam."
"SCHIFF IS A FRAUD !"	"This is yet again an example of Democrats"
"The Do Nothing Democrats are stuck in mud"	"Schiff is basically the Jussie Smollet of Congress."
"The press has gone crazy."	"The Whistleblower is a registered Democrat & CIA analyst."
All of this Impeachment is nonsense"	"President Trump is an innocent man."
"He is a sick puppy" / He is a pompous "ass"	
"Adam Schiff should only be lucky to have the brains"	

Trump uses the attributive relational process more than the identifying process and more than the other types of processes in an attempt to describe his opponents with negative features and identities . It

signifies Trump's vulgar use of bad expressions as modifiers of his enemies . Trump wants to portray all but himself for being liar , pompous , crazy , fraud , etc. , as it is obvious from the examples in Table (4).

2 . Material Process

The material process is a process of "doing" or "action" which is usually expressed by a verb expressing some action , either abstract or concrete . This action of doing is occasionally made by an entity "Actor" to another entity "Goal" .

Donald Trump use of material process ranks the second with (26.22%) percentage of the whole tweets . Actually it is a good choice of Trump for this type of process , since it is a process of "doing" , it indicates the amount of action that is performed against Trump by his opponents as Pelosi and Schiff . It also signifies how much a victim Trump is ; due to the number of wicked conspiracies his enemies has set up for him . As it is illustrated in the examples for this process in Trump tweets in Table (4)

Table (5) Transitivity analysis of the Tweets (Material process)

Actor	Process	Goal	Recipient , attribute
Adam Schiff	Made up, making up, reading , fabricated	Version of the call , a statement My words	You To Congress
The press	Is trying to sell	The fact	Americans
Hunter Biden	Met with	a Chinese banker	
All of this impeachment nonsense	Is driving the Stock Market	Down	
We	Are fighting	The Fake News Media	The Democrat Party
	Drain	The swamp	Democrats
Ukraine envoy	blows	massive hole	Democrat accusations

But Trump's use of this process has changed all of a sudden when he talks about the political and military situation with Turkey , Kurds , Syria and Isis . As the President of the United States , Trump manipulates the material process with strong connotation verbs of action as (destroy , obliterate) with the first person pronoun " I " and speaking powerfully on behalf of America to be its President where he will be always . As in the following tweet :

Oct.7 , 2019 10:38:09 AM : "As I have stated strongly before , and just to reiterate , if Turkey does anything that I , in my great and unmatched wisdom , consider to be off limits , I will totally destroy and obliterate the Economy of Turkey (I have done before!) . They must , with Europe and others , watch over."

3 . Behavioral process

The next process which has a range of occurrence (17.54%) of the total tweets is the behavioral process . It comes after the material process in order . Actually behavioral processes occur between material and mental processes . But here the participant is only one who is the behavior and the activity indicated by a relational process includes both physical and mental aspects in an inseparable manner . Trump's use of this process can be of two versions : one version reflects the condemned and controversial behavior that he has been through from his political opponents as it will be clear in the following samples of tweets in Table (5)

Table (6) Trump's Tweets of Bad – Behavioral process

Behavior	Process
Adam Schiff	"Should resign for the crime of fraudulently fabricating a statement of the President of the United States."
Democrats	"are trying to undo the Election ...
Ukraine controversy	"continues this morning
Jesse BWatters :	"Just because Joe Biden is running against President @realdonaldtrump doesn't mean he is above the law."

Mitt Romney	"begged President Trump to endorse him in 2012 & now he is always attacking Trump."
Adam Schiff's	"connection to the whistleblower is coming to light."
The press	"is trying to sell the fact that I wanted a Moat stuffed with alligators and snakes ..."

While the second version of behavioral process reflects the good behavior that he shows as President of America . His language within this process is powerful to prove that he is a man of behavior, of power , of commitment to make America Great Again , and to get the American soldiers home at last . As my opinion I consider Trump's credibility is the most high at this point since he always opposes sending American soldiers to other's wars . This is off course in contrast to his previous illusive and manipulated language through the impeachment inquiry . Table (6) shows tweets of this process .

Table (7) Trump's Tweets of Good – Behavioral process

Behavior	Process
Trump	"Fundraising Haul Shows Impeachment Backfiring on Dems
I	"can't make one totally appropriate telephone call to the President of Ukraine ?"
WE	"WILL FIGHT TO WIN"
The Kurds	"fought with us."
United States	"has spent EIGHT TRILLION DOLLARS fighting and policing in the Middle East."
WE	"aligned under Obama not with the "Kurds", but with the PKK ."
We	"are helping the Kurds financially / Weapons!"

4. Verbal process

This process includes verbs of "saying" . The participants are : Sayer (the speaker), Receiver (listener or addressed) and Verbiage (the message) . Sometimes there is another type of verbal process where the Sayer is acting verbally on another direct participant which will be called (Target) . Trump's use of this process ranks (11.80%) which is not insignificant one .Trump uses this process mostly in his tweets to transform what others : say , claim , testify , urges , state falsely against him with regard to the impeachment inquiry . An exception to this is sure for Trump talking about himself and his demeanors . Table (7) includes some examples for the verbal process in the tweets of Trump .

Table (8) Tweets of Trump of the Verbal – process

Sayer	Process	Ver / Target	Verbiage
Lindsey Graham	urges	Prime Ministers of Australia, Italy and the United Kingdom	to continue working .
Sleepy Joe	said he never spoke	To the Ukrainian company	
The crooked one	must explain		all of her high crimes and misdemeanors
Biden	lying		about Ukraine
NBC News	reports		That Hunter Biden met with a Chinese banker while joining then VP Joe Biden's official trip 2013 to China .
They (Europeans)	said		You keep them USA

(Trump)	said		No
Pelosi	Blatantly Lies		About Schiff's Reading of Ukraine Transcript .

5 . Mental process :

This process is a process of feeling , thinking , sensing . The Actor is not the subject of action but the feeling .There are two participant : the Senser and the Phenomenon . Although the mental process are within the first three processes in Halliday's transitivity , but here Trump's Mental process tweets ranks the fifth and ranges (10.49%) of the whole tweets under study . It reflects his appeal to the senses of the participants to be involved emotionally with him in his position in the impeachment issue . As in following tweets :

Oct. 1,2019 06:41:33 PM : "As I (Senser) learn (Mental Process) more and more each day , I (Senser) am coming (Mental Process) to the conclusion that what is taking place is not an impeachment"

Oct. 2,2019 09:26:10 AM : "All the Do Nothing Democrats are focused on Impeaching the President for having a very good conversation with the Ukrainian President. I (Senser) knew (Mental Process) that many people (Senser) were listening (Mental Process) even have a transcript(Phenomenon)"

Oct. 2,2019 10:19:09 AM : "But that is exactly what the Democrats want to do . They (Senser) are willing (Mental Process) to hurt the Country ,with only the 2020 Election in mind !"

Oct. 4. 2019 09:12:23 AM : "I (Senser) think (Mental Process) it's outrageous that a Whistleblower is a CIA Agent."

Oct. 6. 2019 06:35:53 PM Gerry Baker of @WSJaLarge : "Do you (Senser) think (Mental Process) what you (Senser) have seen (Mental Process) rises to the level of impeachment ?(phenomenon)" . Ken Starr, Clinton Special Prosecutor ." I (Senser) don't (Mental Process)."

Oct. 7. 2019 10:20:48 AM : "... our great Military functions as a policing operation to the benefit of people (Senser) who don't even like (Mental Process) the USA (Phenomenon). The two most unhappy countries at this move are Russia & China , because they (Senser) love seeing (Mental Process) us bogged (Phenomenon)."

6 . Existential process :

This process indicates that something exists or happens generally with verbs of "be" or exist . Existential processes ranks the last in the tweets of Trump with a range (6.22%) . In this process Trump dominantly and repeatedly uses the tweet : "The Greatest Witch Hunt in the History of our Country !" . Trump , in doing so , is trying to consider the issue of Impeachment with irony and sarcasm . He mocks the politicians by using this clause which manifests the existence of this political war between the Democrats and the Republicans which is similar to the old process of hunting witches in the American history . The following example tweets will make this clearer :

Oct. 1,2019 08:19:24 AM : "...It is just another Democrat Hoax !"

Oct. 1, 2019 07:20:04 PM : "The Greatest Witch Hunt in the history of our Country!"

Oct.1, 2019 06:41:33: PM : "...what is taking place is not an impeachment, it is a Coup"

Oct. 3, 2019 08:16:57 PM : "Another big loss for the Do Nothing Dems !"

Oct. 4, 2019 06:35:04 AM : "This isn't about a Campaign , this is about Corruption on a massive scale!"

Oct. 4, 2019 10:24:28 PM : "Witch Hunt : The Story of the Greatest Mass Delusion in American political History – get your copy now !"

4 . 1 . B . Modality of Trump's Tweets

Modality is a component of Mood. It is a system of linguistic structures related to speaker's judgments , attitudes and beliefs to whether a proposition expressed is true , obligatory , desirable , or actual. the modal structures or options are manifested by the use of modal auxiliaries and modal adjunct. A speaker or writer can express certainty , ability , willingness , obligation and necessity by using modal words and expressions . (Cambridge Dictionary , 2020)

In addition , the interpersonal function meaning of language can be realized by the use of modality (Halliday & Matthiessen, 2014) .When the speaker is using statements and questions to exchange information , this means that he is making a proposition . But when the speaker is using command and offers to exchange goods and services , then he is making a proposal . Modality can be a component of propositions and proposals . Modality refers to "the validity of what is being predicted, stated, questioned, or offered within the clause" (ibid: 177)

Modality meaning can be expressed by modal verbs and modal adjuncts . In this paper I restrict my work on modality to the use of modal verbs only. According to Halliday and Mattiessen (2014) Modality has two types : Modalization and Modulation. Thus if the utterance is a proposition , the modality expresses how valid the information given in the clause , which is usually expressed in Probability and Usuality forms . On the other hand , when the clause is a proposal , the modality expresses the degrees of Obligation and Inclination to accept or to deal with the command .

4.1.1 Types of Modality

Halliday and Mattiessen (2014) distinguish two types for Modality :

4.1.1.1 Modalization

When people communicate , they are exchanging information by the use of statements and questions and thus they are making propositions (ibid :249) . The proposition is defined as the thing which "can be argued about , affirmed or denied" which also has two types of intermediate possibilities (1) degrees of Probability which is related to "judgments of like hood" and (2) degrees of Usuality which is related to "judgments of oftenness" i.e. frequencies of what happens , happened and will happen . According to Halliday and Mattiessen (2014) these two scales of probability and Usuality represent Modalization presuming that all of these can be represented by three forms (a) by a finite modal operator in the verbal group (i.e. our topic in this paper) , (b) by a modal adjunct of probability and usuality , and (c) by both together .. Examples of modalization are illustrated in the following tables :

Table (9)

Modality clause	Indication
"They may come tomorrow" "Perhaps he will be fine" "They will come tomorrow" "He will certainly be fine" "She could have my book"	Probability

(Halliday and Mattiessen, 2014:147)

4.1.1.2 Modulation

Mattiessen (1995 : 504) defines modulation as a type of modality concerned with the expression of a proposal , either of obligation or readiness . A proposal is the form of the clause when it is used to exchange goods and services . In these proposals there are two intermediate degrees of possibility "depending on the speech function whether to offer or command" (Halliday and Mattiessen, 2014 :303) . When the clause expresses a command , the intermediate value is used to show Obligation as "You must be quiet" , while in offers , the intermediate value is used to express Inclination .These values or degrees of Obligation and Inclination are known as Modulation . Halliday and Mattiessen (2014) claim that obligation and inclination can be expressed by using modal verbs : (must , should) . The next tables show some examples of modulation from the work of Halliday and Mattiessen (2014)and Eggins (2004).

Table (10) Examples of Modulation (Obligation) & (Inclination)

Modulation clause	Indication
"You should know that" "You are supposed to know that" "You should be going" "You ought to be going" "John is supposed to know that" "Mary will help"	Obligation
"I want to lend you 'the Bostonians" "I'd like to lend you 'the Bostonians" "I am willing to lend you 'the Bostonians" "I am happy to lend you 'the Bostonians" "I am determined to lend you 'the Bostonians"	Inclination

Halliday and Mattiessen, 2014:178) , (Eggins, 2004: 180)(

It is important to mention that Halliday and Matthiessen (2014: 337) propose three degrees to modality choices which reflect the extent to which the speaker is uncertain when he making a proposition or a proposal . These degrees for Modalization manifested by probability are :

- (1) High : where one uses modals as must , can't or couldn't .
- (2) Median : the use of modals as will be , wont or should .
- (3) Low : the use of modals as may be , may , or can .

For Modulation there are also three degrees for Obligation and Inclination expressed by the use of modal verbs as shown in the following table from Halliday and Matthiessen (2014: 189)

Table (11) Degrees of Modulation

Realization	Degrees of Modulation		
	High	Median	Low
Obligation	Must ,have to ,ought to, Need , is to	Should , shall , will , Would	May ,might, can , Could
Inclination	Need to	Will, would , won't , wouldn't	Can

They claim (ibid: 526) that : "Modality is a rich source for speakers to intrude their own views into the discourse , their assessments of what is likely or typical , their judgments of the rights and wrongs of the situation and of where other people stand in this regard" . The present paper tries to investigate the use of modality within the Tweets of Trump in order to reveal his attitudes and judgments toward tweeters in the case of impeachment and all the tweets written about it in the scope of research within this paper .

According to the statistics made on Trump sample tweets : the total number of modal verbs used by Trump is (75) modals that could be categorized according to the preceding tables of modalization and modulation with their three levels or degrees . I have managed to label Trump's use of modal verbs in one table gathering the three types of modality : Obligation , Inclination and Probability . It is important to mention that Usuality is not included because it is manifested by the use of adjuncts which is not our topic here .

Table (12) Degrees of Modalization & Modulation in Trump's Tweets

Realization	Degrees of Modalization & Modulation		
	High	Median	Low
Obligation	Must, have to , ought to	Should , will	Could
Inclination	Need to	Will never be , wouldn't	Can , Willing
Probability	Could not , can not	Will , should , will be , won't	May be , can

The Analysis of this data according to the number of occurrence of each modal and its percentage is shown in the following table . The percentage is extracted according to the total number of processes used by Trump , i.e. (610) process .

Table (13) Modality Analysis of the Tweets of Trump

Realization	All No.	%	Degrees of Modalization & Modulation					
			High		Median		Low	
			No.	%	No.	%	No.	%
All types	75	12.29	9	1.47	20	3.28	3	0.49
Obligation	33	5.3	9	1.47	20	3.28	3	0.49
Inclination	12	2.11	1	0.16	9	1.47	2	0.32
Probability	30	4.88	14	2.295	10	1.6	6	0.98

It is important to mention that there are modals for each type more frequent in use than others . As for example in Obligation ; the modal "must" recurs five times with a percentage "0.81" within the high degree . For the median degree of Obligation ; the modal "should" occurs (11) times with "1.79%" and "will" has (9) occurrences with "1.47%" . For Inclination ; the most frequent modal is "would" in the median level

which occurs (7) times with "1.31%". The modal that is used mostly by Trump for high degree Probability is "cannot"; with (12) times use and "1.97%". "should" is most used; (5) times with "0.81%" for median Probability. These will be clear through the following example tweets where each use is made obvious from its context of use even if one modal as "should" is used in two types as it is shown in Table (12).

1. Tweets of Trump reflecting Median Obligation with the modal "should" :

Oct. 1, 2019 10:00:28 AM : "... This Should never be allowed!"

Oct. 3, 2019 07:09:33 AM : "Schiff is a lowlife who Should resign (at least!)"

Oct. 7, 2019 11:13:31 PM : "Adam Should be Impeached!"

2. Tweets of Trump for Median Inclination with the modal "would" :

Oct. 3, 2019 08:04:38 PM : "As President of the United States , I have an absolute right, to investigate , CORRUPTION , and that Would include asking , or suggesting other countries to help us "

Oct. 4, 2019 09:58:05 PM : "Thanks Jim . Would be great to just run our Country!"

Oct. 5, 2019 08:58:33 AM : "... Schiff and Pelosi never thought I Would release the transcript of the call. Got them by surprise ."

3 . Trump's Tweets for High Probability with the modal "cannot" :

Oct. 1, 2019 05:33:47 AM : "You Cannot judge my Stock Market performance since the Inauguration , which was very good."

Oct. 4, 2019 04:54:17 PM : "... We Cannot let the Radical socialists take that away through Medicare for All!"

Oct. 4, 2019 09:25:19 PM : "... of Ukraine , and Cannot find any reason to charge the President with high crimes & misdemeanors. This is just a phony witch hunt, perpetuated by Democrats to get rid of Trump because they Cannot beat him in a fair election ."

As my analysis for Trump's use of Modality represented by modal verbs especially those of high rates in relation to the other less frequent ones ; the following is perceived:

As for Obligation : the modal "should" for Median obligation has the highest range of occurrence . This is due to the fact that Trump is using his authority and position as a President of the United States to impose his power on the less powerful entities . But , to show his liberality as elected president , he used the median level modal of obligation , rather than the higher one "must" .

For Inclination : Trump uses "would" more frequently than other modals as an attempt for him to be humorous on some occasions . On other occasions , Trump wants his followers to see him as the person who is inclined to accept objectively others criticizing him .

The highest rate of Possibility modal used by Trump is "cannot" which is in the median level . Trump uses the negative probability to denote that it is not probable for anyone but himself to have control on everything in America . No one can impose or judge him on bad demeanors whether before or after his presidency period . No one can accuse him for committing crimes or even mistakes ; neither the Radicals , Democrats , Senates nor anyone else .

The most modality type used by Trump is that of Obligation with "should" which denotes his powerful status as President . Although it is a median level , not the highest one , to give his tweeters the space to think that he is a democratic president and behaves thus . Trump did not use the modal "must" to give the idea that he is not obliging or using his power against anyone even his opponents .

Conclusions

1 - Trump uses Relational process mostly from the Transitivity processes to portray his opponents with negative attributes and identities . But actually , Trump in doing so , he just managed to make himself mocked and humiliated . This is so because of his vulgar language which doesn't suit his being a President of a dominant state like America . In this process , Trump fails to be respected .

2 - Trump's use of Material process which ranks the second after Relational process is a good choice as regards the actions performed against him from his enemies . But still, Trump goes so far in shaping himself as an innocent victim who is being set up for in the impeachment inquiry . Since All doubt his innocence .

3 - Trump's Good behavioral process carries some honesty when he is talking about the military situation with the Kurds , or his refusal for the American decision of war against Iraq and other Middle Eastern countries . With behavioral process , Trump manages to manipulate his Tweets to persuade the public , or the tweeters , to accept and support his policy in withdrawing the American soldiers from areas of military

struggle and sent them back home . In consequence , he may persuade the Americans to obey him in other policies .

4 - Trump cannot stop lying and boasting . This is well manifested by his use of Verbal process which are most false statements and exaggerations .

5 - By using Mental process tweets , Trump tries to manipulate his tweeters' feelings and emotions to support him and his ideology . But , he fails . His failure is obvious from his own tweets where he said that : "I knew that many people were listening, even have a transcript." (Oct. 2, 2019 :09:26:10) .

6 – The most funny and sarcastic tweets are when Trump uses the Existential process in his tweet : (The Greatest Witch Hunt!) . But Presidents are not supposed to be that funny !

7 – For Modality , Trump is exposing his power as President on his followers whom he regard as inferior to him . Although he is always speaking in informal , colloquial style. Trump again manipulate his language to show his power as President of the United States through the use of modulation type of Modality represented by Obligation . "Should" has been used most as the median obligation modal . It signifies that All Should obey Trump in whatever he does or wants .

8 – By the Inclination type modal "Would", Trump makes himself as humble as possible to incline and accept what other politicians do against him .

9 – For median Probability , Trump mostly uses the modal "Cannot" again to impose his power and declare that No one Can control or run America as he Can .

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