Which Definition Should We Select? Power of Definitions

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Abstract

It is very important in every aspect to identify the ideal definition of a word or concept. Within a context that use multiplicity of definitions with their justifications arise a question in selecting the best definition among them. That develops a puzzle of why and how such an environment buildup within academia. These circumstances motivate us for this particular study. The study aims to distinguish how far justifiable the use of synonyms to define a word or concept. As the key objective; to measure the power of existing definitions about the concepts Sustainable, Development and Park six other objectives were developed which are interconnected closely such as: to list out the pure synonyms related to the word definition, to categorise synonyms related to the word definition on their levels associate with the base word, to introduce a tool for measuring the power of synonyms, to calculate the power of synonyms related to the word definition, to calculate the equilibrium point between levels power of synonyms and to verify the levels of available definitions regard to concepts such as Sustainable, Development, and Park. This is a conceptual study where synonyms and definitions were used as data. Two types of data sets such as data related to synonyms leading to the word 'definition' and data related to definitions leading to the concepts sustainable, development and park were collected to execute the study. A systematic data collection was conducted using the English version of the Microsoft Word 2016 package to collect the first type of dataset. There were 459 synonyms related to the word definition collected and reduced 211 repetitions while remaining 248 synonyms for the final considerations. The purposive data collection technique was used to collect the second type of data set. Based on online dictionaries, reputed organisations and journal articles 31 definitions (11 definitions for sustainable, ten definitions for development and ten definitions for the park) were considered in this study. Collected data were presented through lists, tables, and histograms. Two hundred forty-eight pure synonyms for 'definition' were listed. These synonyms were categorised into level A (01 base word), B (08 words), C (44 words) and D (196 words). A measurement tool was developed by equaling power of each level to the power of previous level/ number of synonyms in the considering level, to measure the power of each level of synonyms,. And the assigned power for the base level was 100 or 100%. Hence level A to level D was found with an increasing power line where y = 0.8251x3.7479 and $R^2 = 0.9846$. And level A – D were found with a decreasing power line where y = 336.29x-7.532 and $R^2 = 0.8567$. Analysis of the second type of data set (31 definitions related to sustainable, development and park) showed 12.5% or lesser power. Hence it was concluded that the existing definitions about sustainable, development and park are weak definitions. At the same time, there is a gap that can be found in both base definitions in the mechanism to develop base definitions. However, this study was limited to a concept study, one base word (definition) and 31 definitions, the systematic sampling technique, synonyms and three levels of synonyms. Also, it was limited to purposive sampling technique when collecting definitions for sustainable, development and park and the study only used simple mathematics like percentage values in calculating power of synonyms and definitions. Therefore more empirical studies can be applied to verify the results of this study by using different words instead of definition to verify the results of this study. And researchers can use different sampling techniques to verify the results of this study, a different mechanism to understand and measure the power of a definition/ base word or concept.

Keywords: Definition, Synonyms, Sustainable, Development, Park

Introduction

The word definition seems to be understood in different ways within academia. For examples, Bickenbach et al. (1996) explain definition as a statement of the meaning of a term (a word, phrase, or other sets of symbols), a description of the features and limits of something (Cambridge dictionary), an exact statement or description of the nature, scope, or meaning of something. The definition is (Oxford Dictionaries) used as a function word to indicate, a point of reckoning, origin or derivation, the cause, motive, or reason, the component material, parts, or elements or the contents, the whole that includes the part denoted by the preceding word, a whole or quantity from which a part is removed or expended, belonging or a possessive relationship, (Merriam-webster dictionary) and also there are varieties of definitions such as real and nominal definitions, dictionary definitions, stipulative definitions, descriptive definitions, explicative definitions, ostensive definitions (Gupta, Anil 2008), structure type definitions (fema.gov), lexical definitions, demonstrative definitions, précising definitions (Hurley, Patrick J. (2006), intentional, extensional definition (Lyons, John 1977), ostensive definitions (Dooly, Melinda. 2006) and so on. Apart from that, there are differences among definitions of the same word given by different sources. As an example the word Development: the process in which someone or something grows or changes and becomes more advanced (Cambridge dictionary), the act, process, or result of developing (Merriam-webster dictionary), A specified state of growth or advancement. (Oxford Dictionaries). However, those definitions are very broad and unclear and leading to questions: what kind of grows or change? Besides that, different scholars define development in different ways. Chambers (1997) describes the development as "good change". However, this also leads to the question: what is a good change? And even what is good? Furthermore, Amartya Sen (1999) describes in another way that development has been viewed, is in terms of freedoms. He proposes that political freedoms, freedom of opportunity and freedom in accessing credit, are just a few of the freedoms that can lead to development. In this scenario, as well grow a question: what is freedom? And to what extent of freedom? That he suggested. Further, before discussing the millennium goals under the UN Development Agenda UN Report (1997) the concept development described as 'promote social progress and better standards of life in larger freedom' and to 'employ international machinery for the promotion of the economic and social advancement of all peoples'. Furthermore, UNGA defines the sustainable development as "development that meets the needs of the present without compromising the ability of future generations to meet their own needs" (Our Common Future, 1987, p. 43). However, these descriptions lead to an unclear end rather than a clear picture of the development.

Such statements and different types leading to the meaning of the word *definition* allow academia to act in a vast space freely and henceforth develop weak definitions which are not thoroughly related to the original word. However, to become a useful tool, the concept must be clearly defined. Erling, Holden et al. (2014). This circumstance showing the necessity to understand the definition of word since it is important as in each and every aspect and have recognised by scholars along with the history in the global context. Clearly defined objective definitions for correction of contracture and for recurrence are needed for more meaningful comparisons of results Paul M.N.Werker et al. (2012) especially important when comparing results across countries Dale-Olsen et al. (2000). Since a definition often washes over a reader, leaving the reader influenced, and act as a compass, providing a lost reader with several potential directions from which to proceed. (Erik Dean et al. 2016). The problem that arises here is not the absence of definitions but having different definitions for one construct. The same word interpreted differently by people differing in gender, class, and sociocultural factors. (Catrine Tudor-Locke et al. 2003). The need for definitional consistency is becoming increasingly evident for every research and clarifying the meaning of terms is not merely a semantic exercise, but is an essential part of the scholarly studies. (Christine Z. 1990).

They, therefore, understand the definition of definition help to narrow the gap between the real definition of a word and the interpretations and description type definitions of the same. Consequently, this particular study aims to distinguish how far justifiable the use of synonyms in order to define a word. In view of that the objectives of this study were; a) To clarify the list of pure synonyms and categorise the same that are leading to the word definition. b) To calculate the power of synonyms in each categorical levels. c) To measure the power of definitions with regard to concepts; sustainable, development and park.

Materials and Methods

We used words as data of this study (Figure 1), and 'Definition' was used as the base word.

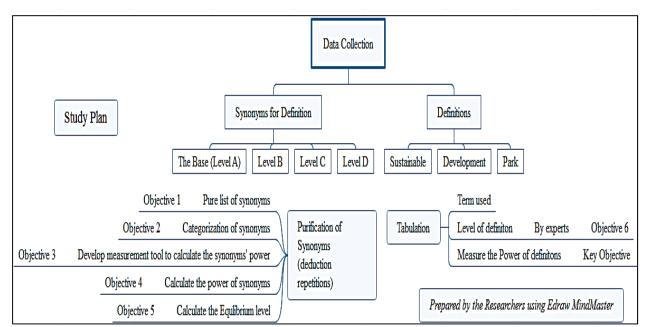


Figure 1: Study Plan

Source: Developed by the Researchers, 2019

Synonyms for the base word were systematically gathered (Figure 02) in three levels (three times) using the British English version of Microsoft Word 2016 package. The Base word 'Definition' was labelled as level A and synonyms (first-level synonyms) that were suggested by Microsoft Word 2016 package for the base word were labelled as level B. Consequently synonyms (second level synonyms) that were suggested by Microsoft Word 2016 package for each word of the firs-level were labelled as level C. Synonyms (third level synonyms) that were suggested by Microsoft Word 2016 package for each word of the second-level were labelled as level D. Repetitions within each level of all listed four levels (including levels AB, AC, AD, BC, BD and CD) were identified and separately removed. This was done to filter the pure list of synonyms. To present these data, tabulations, graphs and figures were used. The power of synonyms in each level was calculated through Microsoft Excel 2016 package. When calculating the power of each level, we used a systematic calculation method by assigning the following weights to each level after filtering the total number of pure synonyms in each level (Table 01).

 Table 1:
 Assigned Weights to Calculate the Power of Words

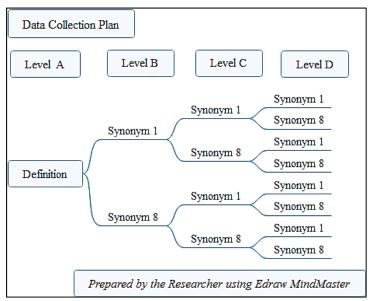
Level	Number of Pure Synonyms	Weight
A	1	100
В	8	100/8
C	44	(100/8) /44
D	196	{[(100/8) /44]/196}

Source: Developed by the Researchers, 2019

By the time we gathered data for three concepts such as *sustainable*, *development* and *park* to test the level of definitions and power of the same according to a calculated new order by the researchers. The concept 'sustainable' were used for two reasons: As it is the most popular buzz word nowadays in the global context and as it is necessary to identify the gap of understanding what the concept sustainable is. The concept 'development' was used for two reasons: It is also one of the most popular buzz words in the global context, and every country uses it as their main target. Hence, at present days this concept is used as sustainable development, and it is frequently used by researchers in a variety of ways. Besides that, the term park is also used in this study to check the power if its definitions to provide reasoning to interested researchers in this academic discipline. Five different dictionary definitions, two definitions developed by reputed organisations and three definitions created by experts were associated by protecting the unbiasedness of collecting data through different sources.

When categorising each definition, the pure words/synonyms list developed by this study were used. Since all the definitions do not use words in the synonyms, list the main idea had to consider. Therefore five number of academic experts, including professors, were used to categorise the definitions. At first, they were given a pure list of synonyms for their preparations and then asked to categorise each definition individually and then after finishing the categorisation done, made a discussion with them for further clarification after categorisation is done, assigned the power for each definition that calculated in this particular study.

Figure 1: Data Collection Plan



Source: Developed by the Researchers, 2019

Results

The word 'definition' used as the base word (Level A) with the given meaning of 'Merriem Webster Dictionary' (2019) in this study. In the first level (Level B), the second level (level C) and in the third level (level D) 08, 60 and 391 synonyms were considered respectively. However, carefully examining all levels, we made an attempt to realise the repetitions. It was obvious that there are no repetitions in level A since it considered as the base word (definition). The second level (level B) also did not have repetitions. There were 17 repetitions within level C for 07 synonyms (See Figure 03) received in Level B.

Report 2 Portrayal 2 Importance 2 Explanation 2 Depiction Acounts 3 Description 2 3 4 5 Times Series1

Figure 2: Repetitions within C – More than one occasion

Source: Developed by the Researchers based on Study Data, 2019

According to Figure 03, the *description* is the most appeared synonym which occurred on four occasions. The synonym *Accounts* appeared 03 times, and synonyms *Depiction*, *Explanation*, *Importance*, *Portrayal* and *Report* appeared 02 times each.

Representation Reason Organization Synonym Depiction Delineating Interpritation Account Explanation Description 0 2 4 6 8 10 12

Figure 3: Repetitions within D – More than four occasions

Source: Developed by the Researchers based on Study Data, 2019

Figure 04 explains repetitions within level D. Each word appeared more than 04 times. The synonym *Description* showed the biggest appearance (n=11). The synonym *Explanation* appeared on 09 occasions. *Account* and *Interpretation* appeared in the level D synonyms list 07 times. Besides that the synonyms *Delineating*, *Depiction*, *Organization*, *Reason* and *Representation* symbolised in the level D synonyms list five times each. However, repetitions between 2 to 4 times were ignored in this stage, they were considered in the calculation of total repetitions.

Times

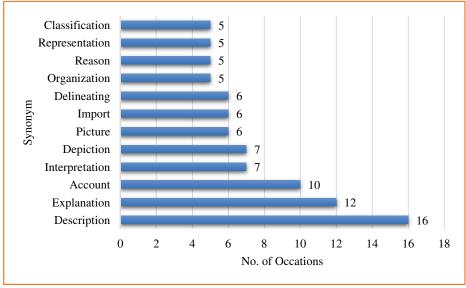


Figure 4: Total Repetitions Synonyms among A, B, C and D

Source: Developed by the Researchers based on Study Data, 2019

Figure 05 describes total repetitions occurred more than four times. The word *description* exhibits the highest number of repetition, which is 16. There were 12 repetitions in the word *explanation* and ten repetitions for *Account*. The word *Interpretation* and *Depiction* occurred on 07 occasions. Besides that *Picture, Import* and *Delineation* appeared on 06 occasions each. The words *Organization, Reason,*

Representation and Classification appeared in 05 occasions each in the total tally. The results of the number of pure synonyms after removing all repetitions are described by figure 06 below.

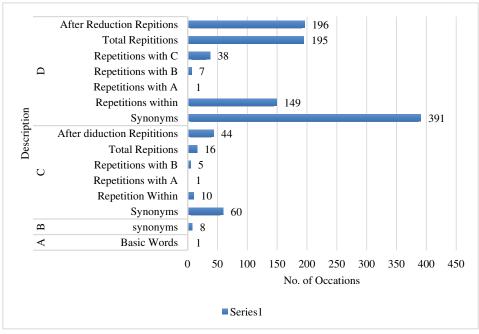


Figure 5: Pure Synonyms after Removing All Repetitions

Source: Developed by the Researchers based on Study Data, 2019

Figure 06 shows the number of pure synonyms that were derived out of this study after removing all the repetitive synonyms that were suggested by the Microsoft Word package. Neither synonyms were occurred in the Base (Level A) and nor in the first level synonyms (Level B). As a result, there was only one word, and 02 synonyms appeared in level A and level B, respectively. And second level synonyms (Level C in the study) found 60 repetitions. In level C, within C, within A in C, and B in C we found 10, 01 and 05 repetitions respectively. After removing these 16 repetitions, we could obtain 44 pure synonyms in level C for further consideration in this study. We obtained 391 synonyms for the third level (Level D in this study) and found 149 within repetitions. In this level, within A in D, B in D and C in D there were 1, 7 and 38 repetitions respectively. After removing all 195 repetitions, we attained 196 pure synonyms for level D to further improve the study.

The summary of initial stage synonyms and final stage's synonyms (after filtering repetitive words) is indicated through the following table 02:

Table 2: Total Words at the initial stage and after removing repetitions

Description	Base (Level A)	Level B	Level C	Level D
Total No of words (Initial stage)	01	08	60	391
After Removing repetitions	01	08	44	196

Source: Developed by the Researchers based on Study Data, 2019

The following list is the all-pure synonyms that were considered in the study related to the word *definition*:

- 1. Base Word: Definition (01 Word)
- 2. Characterisation, Classification, Delineation, Demarcation, Description, Designation, Explanation, Meaning (08 synonyms)

3. Account, Alias, Allocation, Arrangement, Cataloguing, Categorization, Clarification, Denotation, Depiction, Connotation, Delimitation, Details, Differentiation, Discrimination, Distinction, Enlightenment, Gist, Grouping, Implication, Import, Isolation, Justification, Label, Marking out, Name, Narrative, Nickname, Ordering, Outlining, Picture, Portrayal, Reason, Report, Organization, Representation, Segregation, Sense, Separation, Significance, Sketch, Sorting, Taxonomy, Term, Title (44) Acumen, Agreement, Aim, Alignment, Allegation, Alliance, Amplification, Apartheid, Appellation, Apportionment, Arranging, Article, Assemblage, Assembling, Association, Award, Body, Brand, Business, Called, Category, Cause, Championship, Charting, Checking, Chronicle, Clearing up, Codenamed, Cognomen, Collation, Collection, Combination, Common Sense, Comparison, Confederacy, Consequence, Consortium, Cup, Defense, Demonstration, Departure, Diminutive, Discernment, Discrepancy, Disparity, Dissimilarity, Distribution, Diversity, Division, Draft, Draught, Drawing, Dubbed, Duration, Education, Effect, Elucidation, Epithet, Essence, Exactness, Exclusion, Excuse, Exemplification, Explaining, Export, Expose, Facts, Farewell, Federation, Fine points, Forename, Gathering, Ghettoization, Goal, Good bye, Handle, Heading, History, Idea, Identified, Illumination, Illustration, Image, Impact, Inaccessibility, Inference, Information, Ingress, Insight, Insinuation, Institute, Instruction, Intellect, Intelligence, Intention, Interpretation, Introduction, Judgement, Kernel, Known as, Leave-taking, Limitation, Logging, Logic, Loneliness, Make, Marker, Merit, Minutiae, Moniker, Motivation, Niceties, Nomenclature, Nous, Nucleus, Object, Otherness, Painting, Particulars, Parting, Parts, Party, Peculiarity, Perception, Period, Pet name, Photo, Plan, Plot, Point, Portion, Portrait, Position, Prearrangement, Preparation, Print, Procedure, Prominence, Provision, Purpose, Quarantine, Rank, Rationalization, Reference, Refinement, Remoteness, Rendering, Repercussion, Reputation, Restriction, Rough, Sagacity, Seclusion, Sequestration, Setting, part, Setting down, Sharing, Sharing out, Sign, Sobriquet, Society, Span, Specifics, Standing, Statement, Status, Sticker, Sticky label, Sticky tag, Stint, Story, Storyline, Stretch, Style, Substance, Subtext, Suggestion, Symbol, Tag, Taking down, Tale, Taste, Tenure, Testimony, Ticket, Time, Trophy, Undertone, Union, Validation, Variation, Version, Weight, Wisdom, Word, Worth (196).

Besides that, the number of words considered in this study is graphically described in Figure 07:

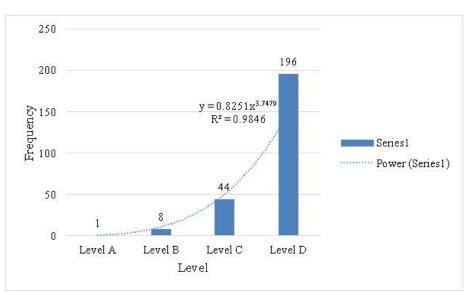


Figure 07: No of Words considered

Source: Developed by the Researchers based on Study Data, 2019

According to Figure 07 (shows the number of synonyms that were considered in this particular study) pure synonyms in level B, C and D show a drastic increase and the power timeline further shows the trend of the changes from level A to level D. This trend of the line calculated automatically by using Microsoft Excel 2016 package. The trend indicated that y = 0.8251x3.7479. This indicates comparatively hither the power of the independent variable and $R^2 = 0.9846$ (98%), which mean percentage of the total variation in the dependent variable that is accounted for by the independent variable. Furthermore, the level of synonyms and power indicated by the table no 03 below.

Table 3: Calculating Power in Each Level

Level	No. of Synonyms	Power
Level A	1	100
Level B	8	12.5
Level C	44	0.284091
Level D	196	0.001449

Source: Developed by the Researchers based on Study Data, 2019

In a particular study, we assigned 100% of the power for the base level (level A). This means that the definition given by a particular word itself is given the highest value or power. The level B or the first level synonyms were assigned with a power of 12.5% [We divided the power of level A by the number of pure synonyms (n = 8) that were obtained for level B]. Dividing the power of level B by the number of pure synonyms (n = 44) that were obtained for level C, we could calculate the power of level C (power of level C = 0.28%). And the power of level D was 0.0015% [power of level C/ number of pure synonyms (n = 196) of level D]. As a result, we could form a common formula to measure the power of synonyms generated in each level, such as:

 $A = 100/A_n$

 $B = A/B_n$

 $C = B/C_n$

 $D = C/D_n$ where A = Base word, $B = Level\ 2$, $C = Level\ 3$, $D = Level\ 4$ and n = number of pure synonyms.

Hence, this formula caused to improve another visual result, as shown in figure 08.

400 350 300 $y = 336.29x^{-7.532}$ 250 $R^2 = 0.8567$ 200 150 100 100 50 12.5 0.284091 0.001449 Level A Level B Level C Level D Level

Figure 6: Level of Synonyms and Power

Source: Developed by the Researchers based on Study Data, 2019

According to figure 08, there is a drastic power reduction numerically indicated by the formula: y = 336.29x-7.532. Both these values [the constant value = 336.29 and the x negative power = x-7.532] are important to understand the degree of the negative power of the slope. Moreover, this result is acceptable as the $R^2 = 0.8567$ or the goodness of the line shows an acceptable level.

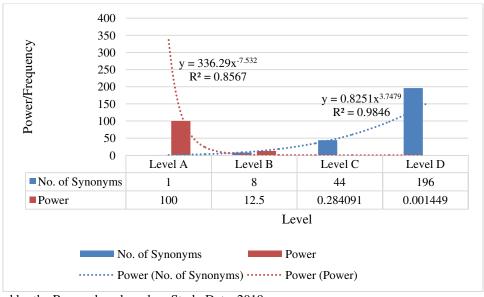


Figure 7: The Trend of Synonyms and Power

Source: Developed by the Researchers based on Study Data, 2019

Figure 09 shows a decreasing trend of synonyms power along with the levels of synonyms and the increasing trend of synonyms along with the levels of synonyms at the same time. The figure further shows that the equilibrium point of two lines which is closed to level B.

When measuring the level and power of definitions of sustainability, we received the following results that are shown form table 4 to 06.

Table 4: N	Measuring the l	Level and l	Power of S	Sustainability	Definitions
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S/N	Source	Definition	A term used/Idea	Level of definition	Power of definition
01	cambridge.org/	able to continue over a period of time	Description	В	12.5
02	Collins dictionary. com/	the ability to be maintained at a steady level without exhausting natural resources or causing severe ecological damage	Description	В	12.5
03	lexico.com/en/	Able to be maintained at a certain rate or level.	Description	В	12.5
04	merriam-webster.com/	maintained at length without interruption or weakening	Description	В	12.5
05	dictionary.com/browse	able to be confirmed or upheld:	Description	В	12.5
06	Brundtland Commission Report,(WCED) 1987	Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.	statement	D	0.001449
07	European Union, ec.europa.eu	Meeting the needs of the present whilst ensuring future generations can meet their own needs.	statement	D	0.001449
08	World Tourism Organization (2002).	"Sustainable tourism development meets the needs of present tourists and host regions while protecting and enhancing opportunities for the future. It is envisaged	statement	D	0.001449

S/N	Source	Definition	A term used/Idea	Level of definition	Power of definition
		as leading to management of all resources in			
		such a way that economic, social and			
		aesthetic needs can be fulfilled while			
		maintaining cultural integrity, essential			
		ecological processes, and biological			
		diversity and life support systems."			
09	Svatava Janoušková, et	A form of development and human lifestyle	statement	D	0.001449
	al. (2019)	that does not endanger our future and does			
		not limit the opportunities of future			
		generations			
10	Dernbach, J. C. (1998).	Intergenerational equity recognises the long-	statement	D	0.001449
	Stoddart, H. (2011).	term scale of sustainability in order to			
		address the needs of future generations			
11	Bocken, N., S.W. Short,	Bocken et al. (2014) states that business	statement	D	0.001449
	and S. Evans. 2014	model innovations for sustainability are			
		defined as: innovations that create			
		significant positive and/or significantly			
		reduced negative impacts for the			
		environment and/or society, through			
		changes in the way the organisation and its			
		value-network create, deliver value and			
		capture value (i.e. create economic value)			
		or change their value propositions			

Source: Developed by the Researchers based on Study Data, 2019

 Table 5:
 Measuring the Level and Power of Development Definitions

S/N	Source	Definition	The term used/Idea	Level of definition	Power of definition
01	dictionary.cambridge.org	The process in which someone or something grows or changes and becomes more advanced:	Clarificatio n	С	0.284091
02	merriam-webster.com	The act, process, or result of developing	Clarificatio n	С	0.284091
03	yourdictionary.com	The process of growth or new information or an event.	Clarificatio n	С	0.284091
04	collinsdictionary.com	The gradual growth or formation of something.	Clarificatio n	С	0.284091
05	Businessdictionary.com	The systematic use of scientific and technical knowledge to meet specific objectives or requirements.	Description	С	0.284091
06	UN Documentation: Development	Multidimensional undertaking to achieve a higher quality of life for all people.	Description	В	12.5
07	Owen Barder (2012)	Improvements in people's well-being: it also describes the capacity of the system to provide the circumstances for that continued well-being.	Statement	D	0.001449
08	Brian-Vincent IKEJIAKU (2009)	An increase in economic growth; properly harnessed by leaders toward both economic and political enhancement of the citizens.	Statement	D	0.001449
09	Edwards, M. (1993)	Development is much about the enrichment of the lives of all the people in society	Statement	D	0.001449
10	soas.ac.uk	Bringing about social change that allows people to achieve their human potential.	Statement	D	0.001449

Source: Developed by the Researchers based on Study Data, 2019

Table 6: Measure the Level and Power of Park Definitions

S/N	Source	Definition	The term used/Idea	Level of definition	Power of definition
01	merriam-webster.com	An enclosed piece of ground stocked with game and held by royal prescription or grant	Clarification	С	0.284091
02	dictionary.cambridge.org	A large area of land with grass and trees, usually surrounded by fences or walls, and specially arranged so that people can walk in it for pleasure or children can play in it:	Explanation	В	12.5
03	lexico.com	A large public garden or area of land used for recreation.	Clarification	С	0.284091
04	Collins dictionary.com	Public area of land with grass and trees, usually in a town, where people go in order to relax and enjoy themselves.	Clarification	С	0.284091
05	dictionary.com	An area of land, usually in a largely natural state, for the enjoyment of the public, having facilities for rest and recreation, often owned, set apart, and managed by a city, state, or nation.	Explanation	В	12.5
06	CRPA	A public park is any area or portions of areas dedicated or designated by any federal, state, or local agency primarily for public recreational use.	Clarification	С	0.284091
07	Surbhi S (2018)	National park is the protected area, which are established by the government, to conserve wildlife and also develop them	Statement	D	0.001449
08	duhaime.org	An area of land set aside for passive common use, where certain types of activities are restricted, to permit individuals to escape the intensity of urban life.	Clarification	С	0.284091
09	Wiki Didactic (2013)	A park (French parc) is an area located in the interior of a population that is intended for lawn, gardens and trees serving as a place of leisure and recreation for the citizens	Explanation	В	12.5
10	britannica.com	National park, an area set aside by a national government for the preservation of the natural environment.	Clarification	С	0.284091

Source: Developed by the Researchers based on Study Data, 2019

Interpretations

Various scholars have criticised the ambiguity of the existing definitions. Similarly, some of these criticisms have been included in the study. In addition to those criticisms, the researchers in this study had a problem with how many definitions exist for a single verse or a word, and how those definitions change over time. This problem arose when we were looking for a working definition of *Sustainable Park*. Accordingly, a question arose: what is the definition? That question was the motivation for developing this study. Accordingly, the study was carried out in two main streams: 1. studying the terms used for definition and 2. studying definitions on sustainability, development and park. We set 05 objectives under the first stream of our study and 02 objectives under the second stream of our study. Following the order of all these objectives such as: to list out the pure synonyms related to the word definition, to categorise synonyms related to the word definition on their levels associate with the base word, to introduce a tool for measuring the power of synonyms, to calculate the power of synonyms related to the word definition, to calculate the equilibrium point between levels power of

synonyms, to verify the levels of available definitions with regard to the concept of Sustainable, Development and Park and to measure the power of existing definitions pertaining the concepts Sustainable, Development and Park; the discussion of this paper is arranged.

Listing Out the Pure Synonyms Related to the Word Definition

In this study, the main consideration was given to the term called definition. We considered this term as the 'base' or Level A of the study. We named the first level of the words, which comes after the base as Level B. Level C and D were the second and third levels of the words, which comes after Level B and C respectively (Table 2). According to the findings of table 2, there were 8, 60 and 391 synonyms in level B, C and D, respectively. Even after removing the repetitions occurred in all these levels, there were 8, 4 and 196 pure synonyms in level B, C and D respectively.

Categorising Synonyms Related to the Word Definition According to Levels

The ratio between each level (level A, B, C and D), which were formed based on the term 'definition' was 1:8:44:196. Hence, (based on the results obtained by categorising synonyms related to the word definition according to levels) we were able to discuss how the power of synonyms in each level reduced drastically ($y = 0.8251x^{3.7479}$). This is an acceptable finding as the accuracy of the trend line that derived from $y = 0.8251x^{3.7479}$ was $R^2 = 0.9846$.

Introducing a Tool to Measure the Power of Synonyms

Based on the sample data, by assigning a 100% of power to the base word a standardised method to calculate the power of any level of a definition was introduced. Therefore, we suggest future researchers use the formula:

 $A = 100/A_n$

 $B = A/B_n$

 $C = B/C_n$

 $D = C/D_n$ where A = Base word, B = Level 2, C = Level 3, D = Level 4 and n = number of pure synonyms should there be a necessity to convince the power of their working definitions.

Calculating the Power of Synonyms Related to the Word Definition

Using the suggested formula aforementioned, we were able to calculate the power of synonyms provided to the term 'definition' by different levels. Power of level A was 100 when the power of level B = 12.5, power of level C = 0.284091 and power of level D = 0.001449. Based on this finding and the trend line suggested by us (y = 336.29x^{-7.532}) can convince the readers that the power of a synonym or a definition given to any specific word is being decreased when the level (level A... level) that an obtained synonym or definition belongs to being distant from the base word. In other words, whenever a given definition or a synonym for a base word has deviated away from the centre (base), the power of the definition declines. This concept that we are presenting to the academic society also aligns with several universal principles. i.e. "In a capitalist economy, the means of production are owned privately, and are, thus, free from government control" (Walter 2009); "while wealth has always provided power, this has increased in modern times when wealth has become a basic source of influence" (Bernard Cooke, n.a and G. William Domhoff, n.a). In addition, socialism arises from the centralisation of power over the government. Gravity or pulling power of the sun is strengthening when the planets and orbits are closer to the sun. Where there is the highest power, there is the highest opportunity to control, influence, rule, and command and show mercy to others.

Calculating the Equilibrium Point between Levels' Power of Synonyms

We were able to calculate the equilibrium point between the powers of synonyms by considering the data of the sample of this study (Figure 07). Hence we were able to find that there is a huge increase in the value when a level is moving forward to another level as $y = 0.8251x^{3.7479}$. In other words, sample data also shows that as the distance from the centre decreases, the level of each level rapidly decreases (Table 03) where $y = 336.29x^{-7.532}$ (figure 08). According to the calculation of equilibrium point levels' power of synonyms (figure 09), this equilibrium point occurs at level B. However, when we analysed this result thoroughly, we realised that equilibrium point occurs before anywhere at level B synonyms. This emphasises that it is not a provable definition if the power of that definition exceeds 12.5%.

Verifying the Levels of Available Definitions Regard to Concepts Sustainable, Development and Park

Using the expert knowledge, we found that out of 11 definitions on sustainability 05 belonged to level B and 06 belonged to level D. There were 05 definitions from level C, 04 from level D and 01 from level B for the term development. Out of 10 selected definitions, there were 06 definitions from level C, 01 from level D and 03 from level B for the term parks out of 10 selected definitions. These results also confirmed that there was no definition, that used to express the real power of the base term.

Measuring the Power of Existing Definitions Pertaining to the Concepts of Sustainable, Development and Park

The powers assigned to the definition of sustainability were around 12.5% and 0.0015%. Many definitions of development and park also had power around 0.28% (table 04, 05 and 06). According to these values, it is clear that all the definitions that were given to the aforementioned concepts cannot be recognised as base word definitions. Those definitions are relatively weak interpretations which explain the real concept of a certain word. Thus, we suggest that almost all the definitions can be introduced as either descriptions or interpretations. It seems that the outside community consider these descriptions or interpretations as the best definitions by agreeing with those descriptions or interpretations. Hence, we suggest that we, as academics would use weaker/ poorer definitions unless we would not be able to identify the true and robust meaning of a specific word or a term. In other words, as long as the true robust definition of the concepts is not known, it is uncertain whether the concept's original purpose or meaning can be achieved by using other standard definitions.

Accordingly, the main objectives of the study were fulfilled. However, this study was carried out with conceptual analysis. There are criticisms of the definitions that exist in various fields. Experts point out that the existing definitions are weak. However, there is no scientific investigation conducted to find out the reason for existing weak definitions. Thus, this study was carried out by us to fill that gap using a scientific method. Rather mentioning that the existing definitions are work, we provided a tool for the academics to measure the power of definitions as one of the contributions of this study. It can be viewed as a contribution to this study. It is also a tool for measuring weakness, rather than saying that the existing observations are weak. However, this study has just opened a new dimension. Further studies are needed to confirm or correct this idea. It is also necessary to study how the sources of definitions are developed. In addition, it is timely relevant to identify specific, realistic solutions, especially for concepts such as sustainability and development, because the entire global environment handles everything around the same concepts, such as sustainable development.

Conclusion

The definitions for sustainability, development and park are poor. There are no basic definitions for those concepts and what the basic definitions are. This study confirms the gaps in a methodology that creates a basic definition. Consequently, this study suggests that the power of a definition decline when the given meaning to a specific definition is distant from the base word.

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