How is Accounting Perceived in Cognitive Level? A Study Based On Metaphor

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**Abstract**

The study is prepared to clarify the accountingperception of the students taken basic accounting courses in Community College or Business School in Yalova University by using metaphors. To this end, metaphor questionnaires including a single open-ended question are applied to 195 students. The results are subjected to content analysis and owing to the fact that 75 of the questionnaires could not create metaphors; the study is evaluated on 120 questionnaires. According to the results of questionnaires 37 metaphors are constituted. The most common metaphors created by the students participated in the study are identified as mathematics, calculator, puzzle, scales and jigsaw puzzle. Reasons expressed for the metaphors reveal that accounting perception is related to 10 themes. The most comprehensive ones are the themes which meaning as “accounting is consisted of mathematical operations” and “going through the stages is essential toreach the result in accounting”.

**Key Words:** Accounting, Metaphor, Cognitive Level.

**Introduction**

Metaphor is derivated from the word “metapherein” which is in Greek, occurred by the combining of the verbs “meta” and “pherein” meaning “to carry” and “to load” respectively (Arslan, 2008: 259).It is forming relationship with a word having another meaning by using similarities to explain a concept, word, term or event better (Aydın, 2004). Metaphor is replacing a commonly used concept in place of anuncommonly used one to explain the second concept by means of the first one therefore metaphor is making a substitution(Uçma, 2010: 126).They generally include information transfer from a well-known field to a new and unknown one (Tsoukas, 1991).Metaphors are supposed as tools used to explain how the life, environment, events and objects are perceived by the people via different similitudes (Cerit, 2008: 694).

If a concept, word, term or event is symbolized with another concept, word, term or event; that means metaphor is used. There may exist little similarity between two different objects but identifying one of them well facilitates us to understand the other better. As a sample; people saying “The heart works like a pump.”to explain the working of the heart, are using pump metaphor which is well known comparing to heart.

The base of studies prepared related to metaphor in social sciences is consisted of“Contemporary Metaphor Theory” explained by Lakoff and Johnson (1980) in their publication named as “Metaphors: We with Live by”. While studies about metaphor were only in literature science before 80s;as a concept metaphorbegan to exist in the center of interdisciplinary applicationsin cognition and communication studiesafter Lakoff and Johnson’s study (Uçma, 2010: 124-126).The studies related to metaphor in accounting field have been existed recently as in the most of the other social sciences (Amernic and Craig, 2009; McGoun and others., 2007; Meyer, 1984; Walters-York, 1996;Walters-York, 2004).

Metaphors are suggested to play an active role in the creation and transmission process of the meaning in accounting texts alsothey are suggested to be discussions group that make up the mentioned texts (Walters-York, 1996: 48-49). According to Walters-York (1996); metaphors improve fluency and strengthen the accounting texts also make the statements which can not be explained in any other way easier, to express in aesthetic, cognitive, and pragmatic levels. In this regard; many accounting terms as doubtful debts, accumulated depreciations, fixed/variable costs, liquid assets, fixed assets, equity, responsibility center, profit sharing and goodwill are samples for metaphor usage (Uysal, 2001: 57).

Metaphors are means of perception (Arnett, 1999) and they expressa cognitive-way understanding (Lakoff ve Johnson, 1980). Therefore; metaphors are benefited for perception survey about a statement, concept, event or anything else. There exist many studies to understand the perceptions of individiuals which are intended to determine many things like events, concepts, professions such as teachers, police, cinema, administration etc.by metaphors. But there has not been any similar study about accounting perception in Yalova province of Turkey thus it is targeted to identify the accounting perceptions of individuals by metaphors in the study.

**The Objective of the Study**

The objective of the study is to reveal how accounting is perceived in cognitive level by the students taken basic accounting courses in Community College or Business School via metaphors.

**The Methodology of the Study**

The study targeting to reveal the accountingperception of the students taken basic accounting courses in Community College or Business School in Yalova University by using metaphorsis applied to 195 students. In this respect; questionnaires including open ended questions which have been used in similar studies (Cerit, 2006; Kabadayı, 2008; Ocak & Gündüz, 2006; Ünal, Yıldırım & Çelik, 2010; Sarı, 2010) are benefited to allow the source group to express their perceptions about accounting by metaphors. It is requested from the students to complete the sentence expressed as “Accounting resembles to ............... because ............” in the questionnaire. In addition to the questions related to demography such as gender, education and age;metaphors as any existence tangible or intangible, living or unliving or anything else is acquired from the source group via the sentence to complete mentioned above while obtaining data.Consequently;data necessity is gathered from the students participated in the study.

**Analysis of the Data**

The metaphors used by the participants are subjected to content analysis and because of the fact that 75 of the questionnaires could not create current ones; the rest (120 questionnaires) are evaluated. The names of metaphors created for accounting and their reasons are computerized to obtain primary data afterwards they are read and evaluated to obtain themes to gather similar metaphors. Therefore primary data are organized and patterns of the data are tried to be defined.

**Findings**

The data about demographic characteristics of the participants are shown in Table 1.

**Table 1:** Demographic Characteristics of the Participants

|  |  |  |
| --- | --- | --- |
| Characteristics | Frequency (f) | Percent (%) |
| Gender | Male | 52 | 43,33 |
| Female | 68 | 56,67 |
| Education | Undergraduate | 55 | 45,83 |
| Associate Degree Program | 65 | 54,17 |
| Age | 17-20 | 67 | 55,83 |
| 21-23 | 42 | 35,00 |
| 24-26 | 7 | 5,83 |
| 27-29 | 2 | 1,67 |
| 30-? | 2 | 1,67 |
|  | Total | 120 | 100,00 |

37 metaphors are created by 120 questionnaires evaluated. The most common ones are observed as; mathematics metaphor by 26 students, calculator (10), puzzle (9), scales (8), jigsaw puzzle (7), life (6) respectively. The acquired data about the metaphors created are shown in Table 2.

**Table 2:** Metaphors Created by Participants

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Metaphor** | **(f)** | **Metaphor** | **(f)** | **Metaphor** | **(f)** | **Metaphor** | **(f)** |
| Mathematics | 26 | Baby | 2 | Art | 2 | Woman | 1 |
| Calculator | 10 | Flywheel | 2 | Sudoku | 2 | Camera | 1 |
| Puzzle | 9 | Flowers | 2 | Research | 1 | Fabric | 1 |
| Scales | 8 | Balance | 2 | Honey | 1 | Season | 1 |
| Jigsaw Puzzle | 7 | Dominoes | 2 | Lace | 1 | Spider Web | 1 |
| Life | 6 | Memory Card | 2 | Equation | 1 | Money | 1 |
| Computer | 5 | Photo | 2 | Eyeglasses | 1 | Salad | 1 |
| Tree | 5 | Maze | 2 | Carpet | 1 | Chain | 1 |
| Building | 3 | Machine | 2 | Light | 1 | Octopus | 1 |
| Order | 3 |  |  |  |  |  |  |

37 metaphors created by participants are subjected to content analysis so theyare grouped in 10 themes due to the reasons expressed by the students. The seperation of the mentioned themes including the metaphors created by participants (n=120) is shown in Table 3.

**Table 3:** Themes Including the Metaphors About Accounting

|  |  |  |  |
| --- | --- | --- | --- |
| **Themes** | **Frequency (f)** | **Percent (%)** | **Metaphors** |
| Accounting is a recording activity. | 7 | 5,8 | Computer (5), Memory Card (2) |
| Accounting is consisted of mathematical transactions. | 26 | 21,7 | Mathematics (26) |
| There exist balance and order in accounting. | 13 | 10,8 | Balance (2), Order (3), Scales (8) |
| Accounting displays the status of the business. | 5 | 4,2 | Photo (2), Eyeglasses (1), Light (1), Camera (1) |
| Accounting is consisted of complex and related transactions. | 13 | 10,8 | Tree (5), Octopus (1), Flywheel (2), Dominoes (2), Spider Web (1), Salad (1), Chain (1) |
| Passing through the stages is required to achieve the result in accounting,. | 29 | 24,2 | Research (1), Building (3), Puzzle (9), Lace (1), Equation (1), Carpet (1), Maze (2), Art (2), Sudoku (2), Jigsaw Puzzle (7) |
| Accounting requires hard working. | 8 | 6,7 | Honey (1), Baby (2), Flowers (2), Woman (1), Machine (2) |
| Accounting is consisted of computation transactions continuously. | 16 | 13,3 | Life (6), Calculator (10) |
| Accounting is the repetition of the same transactions. | 2 | 1,7 | Fabric (1), Season (1) |
| Accounting means money. | 1 | 0,8 | Money (1) |

As it is seen from Table 3; the most common theme acquired from the metaphors created by the students is “passing through the stages is required to achieve the result in accounting” (f:29, % 24,2). The other themes are respectively ranked as; “accounting is consisted of mathematical transactions” (f:26, % 21,7), “accounting is consisted of computation transactions continuously” (f:16, % 13,3),“accounting is consisted of complex and related transactions” (f:13, % 10,8), “there exist balance and order in accounting” (f:13, % 10,8), “accounting requires hard working.” (f:8, % 6,7) and “accounting is a recording activity.” (f:7, % 5,8).

**Conclusion**

The study is prepared to reveal the accountingperception of the students taken basic accounting courses in Community College or Business School in Yalova University by using metaphors.Thus; metaphor questionnaires are applied to 195 students but 75 of them are not evaluated. The gathered data indicated that 37 metaphors are created and the most common one is “mathematics” metaphore created by 26 participants. The others are ranked as calculator (10), puzzle (9), scales (8), jigsaw puzzle (7), life (6), computer (5), tree (5) and etc.

Due to the reasons expressed by participants; 37 metaphors are seperated in 10 themes for content analysis and the mentioned themes are identified respectively. The most common onesare ranked as“passing through the stages is required to achieve the result in accounting” and “accounting is consisted of mathematical transactions” by students besides the last themes are expressed as “accounting is the repetition of the same transactions” and “accounting means money”.

**References**

Amernic, J. & R. Craig (2009), “Understanding Accounting Through Conceptual Metaphor: Accounting is an instrument?”, Critical Perspectives on Accounting, Vol.20, pp. 875-883.

Arnett, R. C. (1999), “Metaphorical Guidance: Administration as building and renovation”, Journal of Educational Administration, 37(1), pp. 80-89.

Arslan, F. (2008), “Metaforik Tercihler Bakımından Akif’i Okuyabilmek”, 1. Uluslararası Mehmet Akif Sempozyumu, Mehmet Akif Ersoy Üniversitesi, Burdur, ss. 259-264.

Aydın, İ. H. (2004), “Bir Felsefi Metafor: Yolda Olmak”, 1. Ulusal Sosyal Bilimler Sempozyumu, Kırıkkale Üniversitesi, 9-10 Aralık 2004.

Cerit, Y. (2006), “Öğrenci, Öğretmen ve Yöneticilerin Okul Kavramıyla İlgili Metaforlara İlişkin Görüşleri”, Kuram ve Uygulamada Eğitim Bilimleri Dergisi, 6(3), ss. 669-699.

Cerit, Y. (2008), “Öğretmen Kavramı İle İlgili Metaforlara İlişkin Öğrenci, Öğretmen ve Yöneticilerin Görüşleri”, Türk Eğitim Bilimleri Dergisi, 6(4), ss. 693-712.

Kabadayı, A. (2008), “Analysing the metaphorical images of Turkish preschool teachers”, Teaching Education, 19(1), pp. 73-87.

Lakoff, G. & M. Johnson (1980), “Metaphors We Live by”, Chicago: The University of Chicago Pres.

McGoun, E.G., Mark S. Bettner & Michael P. Coyne (2007), “Pedagogic Metaphors and the Nature of Accounting Signification”, Critical Perspectives on Accounting, Vol.18. pp. 213-230.

Meyer, A. D. (1984), “Mingling Decision Making Metaphors”, Academy of Management Review, Vol.9(1), pp. 6-17.

Ocak, G. & M. Gündüz (2006), “Eğitim Fakültesini Yeni Kazanan Öğretmen Adaylarının Öğretmenlik Mesleğine Giriş Dersini Almadan Önce ve Aldıktan Sonra Öğretmenlik Mesleği Hakkındaki Metaforlarının Karşılaştırılması”, Afyon Kocatepe Üniversitesi SBE Dergisi, VIII(2), ss. 293-309.

Sarı, M. (2010), “İlköğretim Öğrencilerinde Polis Kavramının Metaforlar Aracılığıyla İncelenmesi”, Polis Bilimleri Dergisi, Cilt 12(2), ss. 43-80.

Tsoukas, H. (1991), “The missing link: Atransformational view of metaphors in organizational science”, The Academy of Management Review, 16(3), pp. 566-585.

Uçma, T. (2010), “Kavramsal Metafor Olarak Muhasebeyi Anlamak”, Muhasebe Bilim Dünyası Dergisi, 12(2) ss. 123-141.

Uysal, Ö. Ö. (2001), “Muhasebe Metinlerinde Metafor”, Ege Akademik Bakış Dergisi, 1(2), ss. 53-60.

Ünal, A., A. Yıldırım & M. Çelik (2010), “İlköğretim Okulu Müdür ve Öğretmenlerinin Velilere İlişkin Algılarının Analizi”, Selçuk Üniversitesi SBE Dergisi, Sayı 23, ss. 261-272.

Walters-York, L. Melisa (1996), “Metaphor in accounting discourse”, Accounting, Auditing & Accountability Journal, Vol.9(5), pp. 45-70.

Walters-York, L. Melisa (2004), “Alternative Accounting Thought and the Prison-House of Metaphor”, Accounting, Organization and Society, Vol.29 (2), pp. 157-187.