## REFERENCES

[1] Grouws, D. (1992). Handbook of Research on Mathematics Teaching and Learning. New York: Maxwell Macmillan International.
[2] Robert Sweetland (1992). "Types of Addition and Subtraction Problems Examples with whole numbers", Available: http://www.homeofbob.com/ math/numVluOp/ wholeNum/ addSub/ adSubTypsChrt.html
[3] Mark Hopkins, Cristian Petrescu-Prahova, Roie Levin, Ronan Le Bras, Alvaro Herrasti, and Vidur Joshi, "Beyond Sentential Semantic Parsing: Tackling the Math SAT with a Cascade of Tree Transducers", Conference on Empirical Methods in Natural Language Processing, September 2017, pp 806-815
[4] Mitra, Arindam and Baral, Chitta. "Learning to use formulas to solve simple arithmetic problems", $54^{\text {th }}$ Annual Meeting of the Association for Computational Linguistics, August 2016, pp 2144-2153
[5] Margaret Rouse (2005), "Ontology", Available: http://whatis.techtarget.com/definition/ontology.
[6] Kyle Morton and Yanzhen Qu, "A Novel Framework for Math Word Problem Solving by International Journal of Information and Education Technology" Vol. 3 No. 1 February 2013, pp 88-93.
[7] Shuming, ShiYuehui Wang, Chin, Yew Lin, Xiaojiang Liu and Yong Rui, "Automatically Solving Number Word Problems by Semantic Parsing and Reasoning", Conference on Empirical Methods on Natural Language Processing, Sep 2015 pp 1132-1142.
[8] MD Leblanc, "Text Integration and Mathematical Connections A Computer Model of Arithmetic Word Problem Solving", Cognitive Science 20 vol no. 3, July 1996, pp 357-407
[9] Takuya Matsuzaki, "The Most Uncreative Examinee: A First Step toward Wide Coverage Natural Language Math Problem Solving", AAAI, July 2014, pp 1098-1104
[10] Lipu Zhou Shuaixiang Dai and Liwei Chen, "Learn to Solve Algebra Word Problems Using Quadratic Programming" EMNLP The Association for Computational Linguistics, Sep 2105, pp 817-822
[11] Mohammad Javad Hosseini1, Hannaneh Hajishirzi1, Oren Etzioni2, and Nate Kushman, "Learning to Solve Arithmetic Word Problems with Verb Categorization", Conference on Empirical Methods on Natural Language Processing, October 2014, pp 523-533.
[12] Yi-Chung Lin, Chao-Chun Liang, Kuang-Yi Hsu,bChien-Tsung Huang, Shen-Yun Miao, Wei-Yun Ma, Lun-Wei Ku, Churn-Jung Liau, and Keh-Yih Su , "Designing a Tag-Based Statistical Math Word Problem Solver with Reasoning and Explanation" Vol. 20 No. 2, December 2015.
[13] Matsuzaki, Takuya, Ito, Takumi, Iwane, Hidenao, Anai, Hirokazu and Arai, Noriko H."Semantic Parsing of Pre-university Math Problems", ACL (1), August 2017, pp 2131-2141.
[14] B. Amnueypornsakul, and S. Bhat, "Machine-Guided Solution to Mathematical Word Problems", The PACLIC 28 Organizing Committee and

PACLIC Steering Committee / ACL / Department of Linguistics, Faculty of Arts, Chulalongkorn University, 2014, pp 111-119
[15] Yan Wang, Xiaojiang Liu, Shuming Shi, "Deep Neural Solver for Math Word Problems", Conference on Empirical Methods in Natural Language Processing, September 2017, pp 856-865
[16] Ling, Wang, Yogatama, Dani, Dyer, Chris and BlunsomPhil, "Program Induction by Rationale Generation: Learning to Solve and Explain Algebraic Word Problems", ACL (1), 2017, pp 158-167
[17] Roy S. I. Vieira T. J. H. and Roth D. I, "Reasoning about Quantities in Natural Language", Transactions of the Association for Computational Linguistics, June 2015, pp 1-13
[18] Dellarosa, "A computer simulation of children's arithmetic word-problem solving", Behavior Research Methods, Instruments, \& Computers 18(2), March 1989, pp 147-154
[19] Mukherjee U. Garain, "A review of methods for automatic understanding of natural language mathematical problems" Artif Intell Rev, 2008, pp 93-122
[20] Nate Kushman, Yoav Artzi, Luke Zettlemoyer, and Regina Barzilay, "Learning to Automatically Solve Algebra Word Problems", $52^{\text {nd }}$ Annual Meeting of the Association for Computational Linguistics, December 2014, pp 271-281.
[21] R Koncel-Kedziorski, "MaWPS: A Math Word Problem Repository", HLTNAACL, June 201, pp 1152-1157
[22] "MaWPS: A Math Word Problem Repository(2016)", Available: http://lang.ee.washington.edu/MAWPS/datasets/SingleOp.json
[23] Furey and Edward. "Numbers to Words Converter", Available: https://www.calculatorsoup.com
[24] Dr. Jason Brownlee (2016). "Naive Bayes for Machine Learning", Available: https://machinelearningmastery.com/ naive-bayes-for- machine-learning/
[25] Lior Rokach, "Ensemble-based classifiers", Artif. Intell. Rev. 33 (1-2),Feb 2010, pp 1-39
[26] Y.-M. Yeh et al "Research on Reasoning and Modeling of Solving Mathematics Situation Word", Ninth IEEE International Symposium, December 2007, pp 35-41.
[27] M. Hearst, "Automatic Acquisition of Hyponyms from Large Text Corpora" In Fourteenth International Conference on Computational Linguistics, Nantes, France, 1992, pp 539-545
[28] Bussaba Amnueypornsakul and Suma Bhat, "Machine-Guided Solution to Mathematical Word Problems", Pacific Asia Conference on Language, Information and Computation, 2014, pp 111-119.
[29] Erik de corte, Lieven verschaffel, and Brian greer, "Connecting mathematics problem solving to the real world" International Conference on Mathematics Education into the 21st Century, November 2000, pp 66-73.
[30] Wanintorn Supap Kanlaya Naruedomkul and Nick Cercone, "International journal of Automatic Learning Guide for Mathematical Word Problem", Volume 17, Issue 11, 2011, pp 509-524
[31] Aparna Lalingkar, Chandrashekar Ramnathan and Srinivasan Ramani, "MONTO: A Machine-Readable Ontology for Teaching Word Problems in Mathematics" Volume 18, November 2015, pp 197-213.
[32] Chao-Chun Liang, Kuang-Yi Hsu, Chien-Tsung Huang, Chung-Min Li, Shen-Yu Miao,and Keh-Yih Su, "A Tag-based English Math Word Problem Solver With Understanding, Reasoning and Explanation", IJCAI, June 2016, pp 4254-4255
[33] Christian Liguda and Thies Pfeiffer, "A question answer system for math word problems" First International Workshop on Algorithmic Intelligence, January 2011, pp 1-11
[34] Noam Chomsky, "Three Models for the description of language", IRE Transactions on Information Theory 2, 1956, pp 113-124
[35] Jurafsky and Martin, "Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition", Prentice Hall PTR, 2000, pp 1-939
[36] Eren Golge (2012). "Neural networks over decision trees", Available: https://www.quora.com/What-are-some-advantages-of-using-neural-networks-over-decision-trees
[37] Dan Benyamin (2012). "A Gentle Introduction to Random Forests, Ensembles, and Performance Metrics in a Commercial System",Available: http://blog.citizennet.com/blog/2012 /11/10/ random-forests-ensembles-and-performance-metrics
[38] Noel Bambrick, AYLIEN. (2016). "Support Vector Machines: A Simple Explanation",Available: https://www.kdnuggets.com/2016/07/support-vector-machines-simple-explanation.html
[39] "Collective Nouns - A guide to collective nouns", Available: http://www.collectivenouns.biz/list-of-collective-nouns/collective-nounspeople/
[40] "word2number 1.1", Available: https://pypi.org/project/word2number/
[41] "Sympy", Available: https://github.com/sympy/sympy/releases

