**REFERENCES**

[1] W. H. Organization, “Depression and other common mental disorders:

Global health estimates. geneva: World health organization;

2017. licence: Cc by-nc-sa 3.0 igo.” http://www.who.int/en/news-room/

fact-sheets/detail/depression, 2017.

[2] M. Friedrich, “Depression is the Leading Cause of Disability Around the

World Depression Leading Cause of Disability Globally Global Health,”

JAMA, vol. 317, no. 15, pp. 1517–1517, 2017.

[3] M. Nadeem, “Identifying depression on twitter,” CoRR, vol. abs/

1607.07384, 2016.

[4] S. Paul, S. K. Jandhyala, and T. Basu, “Early detection of signs of anorexia

and depression over social media using effective machine learning frameworks,”

in CLEF, 2018.

[5] A. Benton, M. Mitchell, and D. Hovy, “Multi-task learning for mental

health using social media text,” CoRR, vol. abs/1712.03538, 2017.

[6] G. Coppersmith, M. Dredze, C. Harman, and K. Hollingshead, “From adhd

to sad: Analyzing the language of mental health on twitter through selfreported

diagnoses,” in Proceedings of the 2ndWorkshop on Computational

Linguistics and Clinical Psychology: From Linguistic Signal to Clinical

Reality, 2015, pp. 1–10.

[7] D. Maupomé and M.-J. Meurs, “Using topic extraction on social media

content for the early detection of depression,” in Working Notes of CLEF

2018 - Conference and Labs of the Evaluation Forum, Avignon, France,

September 10-14, 2018., 2018.

[8] P. Resnik, W. Armstrong, L. Claudino, T. Nguyen, V.-A. Nguyen, and

J. Boyd-Graber, “Beyond lda: Exploring supervised topic modeling for

depression-related language in twitter,” in Proceedings of the 2nd Workshop

on Computational Linguistics and Clinical Psychology: From Linguistic

Signal to Clinical Reality, 2015, pp. 99–107.

[9] D. Preotiuc-Pietro, J. C. Eichstaedt, G. J. Park, M. Sap, L. Smith, V. Tobolsky,

H. A. Schwartz, and L. H. Ungar, “The role of personality, age,

and gender in tweeting about mental illness,” in CLPsych@HLT-NAACL,

2015.

[10] T. Nguyen, D. Phung, B. Dao, S. Venkatesh, and M. Berk, “Affective and

content analysis of online depression communities,” IEEE Transactions on

Affective Computing, vol. 5, no. 3, pp. 217–226, 2014.

[11] H. A. Schwartz, J. Eichstaedt, M. L. Kern, G. Park, M. Sap, D. Stillwell,

M. Kosinski, and L. Ungar, “Towards assessing changes in degree of

depression through facebook,” in Proceedings of the Workshop on Computational

Linguistics and Clinical Psychology: From Linguistic Signal to

Clinical Reality, 2014, pp. 118–125.

[12] S. Tsugawa, Y. Kikuchi, F. Kishino, K. Nakajima, Y. Itoh, and H. Ohsaki,

“Recognizing depression from twitter activity,” in Proceedings of the 33rd

annual ACM conference on human factors in computing systems. ACM,

2015, pp. 3187–3196.

[13] J. Wolohan, M. Hiraga, A. Mukherjee, Z. A. Sayyed, and M. Millard,

“Detecting linguistic traces of depression in topic-restricted text: Attending

to self-stigmatized depression with nlp,” in Proceedings of the

First International Workshop on Language Cognition and Computational

Models, 2018, pp. 11–21.

[14] Y. Tyshchenko, “Depression and anxiety detection from blog posts data.”

University of Tartu Institute of Computer Science Computer Science

Curriculum, 2018.

[15] S. C. Guntuku, D. B. Yaden, M. L. Kern, L. H. Ungar, and J. C. Eichstaedt,

“Detecting depression and mental illness on social media: an integrative

review,” Current Opinion in Behavioral Sciences, vol. 18, pp. 43–49, 2017.

[16] R. A. Calvo, D. N. Milne, M. S. Hussain, and H. Christensen, “Natural language

processing in mental health applications using non-clinical texts,”

Natural Language Engineering, vol. 23, no. 5, pp. 649–685, 2017.

[17] Á. Hernández-Castañeda and H. Calvo, “Deceptive text detection using

continuous semantic space models,” Intelligent Data Analysis, vol. 21,

no. 3, pp. 679–695, 2017.

[18] S. Freud, “The psychopathology of everyday life. se, 6,” London: Hogarth,

1901.

[19] A. T. Beck, Depression: Clinical, experimental, and theoretical aspects.

University of Pennsylvania Press, 1967.

[20] T. Pyszczynski and J. Greenberg, “Self-regulatory perseveration and the

depressive self-focusing style: a self-awareness theory of reactive depression.”

Psychological bulletin, vol. 102, no. 1, p. 122, 1987.

[21] E. Durkheim and A. Suicide, A study in sociology. Routledge & K. Paul

London, 1952.

[22] A. G. Reece, A. J. Reagan, K. L. Lix, P. S. Dodds, C. M. Danforth, and E. J.

Langer, “Forecasting the onset and course of mental illness with twitter

data,” Scientific reports, vol. 7, no. 1, p. 13006, 2017.

[23] S. Tsugawa, Y. Kikuchi, F. Kishino, K. Nakajima, Y. Itoh, and H. Ohsaki,

“Recognizing depression from twitter activity,” in CHI, 2015.

[24] J. C. Eichstaedt, R. J. Smith, R. M. Merchant, L. H. Ungar, P. Crutchley,

D. Preo¸tiuc-Pietro, D. A. Asch, and H. A. Schwartz, “Facebook language

predicts depression in medical records,” Proceedings of the National

Academy of Sciences, vol. 115, no. 44, pp. 11 203–11 208, 2018.

[25] S. W. Stirman and J. W. Pennebaker, “Word use in the poetry of suicidal

and nonsuicidal poets,” Psychosomatic medicine, vol. 63, no. 4, pp. 517–

522, 2001.

[26] S. Rude, E.-M. Gortner, and J. Pennebaker, “Language use of depressed

and depression-vulnerable college students,” Cognition & Emotion,

vol. 18, no. 8, pp. 1121–1133, 2004.