



### **Hak cipta dan penggunaan kembali:**

Lisensi ini mengizinkan setiap orang untuk menggubah, memperbaiki, dan membuat ciptaan turunan bukan untuk kepentingan komersial, selama anda mencantumkan nama penulis dan melisensikan ciptaan turunan dengan syarat yang serupa dengan ciptaan asli.

### **Copyright and reuse:**

This license lets you remix, tweak, and build upon work non-commercially, as long as you credit the origin creator and license it on your new creations under the identical terms.

# DAFTAR PUSTAKA

- Al-allaf, O. N. A., Tamimi, A. A., & AbdAlKader, S. A. (2012). Artificial Neural Networks for Iris Recognition System: Comparisons between Different Models, Architectures and Algorithms 1.
- Andrews, R., Diederich, J., & Tickle, A. B. (1995). Survey and critique of techniques for extracting rules from trained artificial neural networks. *Knowledge-based systems*, 8(6), 373–389.
- Anusuya, M., & Katti, S. (2011). Comparison of different speech feature extraction techniques with and without wavelet transform to Kannada speech recognition. *International Journal of Computer Applications*, 26(4), 19–24.
- Ayadi, M. E., Kamel, M. S., & Karray, F. (2011). Survey on speech emotion recognition: Features, classification schemes, and databases. *Pattern Recognition*, 44(3), 572–587.
- Baayen, R. H., Davidson, D. J., & Bates, D. M. (2008). Mixed-effects modeling with crossed random effects for subjects and items. *Journal of memory and language*, 59(4), 390–412.
- Barford, L. A., Fazzio, R. S., & Smith, D. R. (1992). *An introduction to wavelets*. Citeseer.
- Bartolini, E. E. (2011). *Eliciting emotion with film: Development of a stimulus set* (Unpublished doctoral dissertation). Citeseer.
- Bates, D. (2005). Fitting linear mixed models in R. *R news*, 5(1), 27–30.

- Bates, D. (2010). lme4: Mixed-effects modeling with R. URL <http://lme4.r-forge.r-project.org/book>.
- Bates, D., Mächler, M., Bolker, B., & Walker, S. (2015). Fitting Linear Mixed-Effects Models Using lme4. *Journal of Statistical Software*, 67(1), 1–48. doi: 10.18637/jss.v067.i01
- B'far, R. (2004). *Mobile computing principles: designing and developing mobile applications with UML and XML*. Cambridge University Press.
- Boersma, P., & Weenink, D. (2009). *Praat: doing phonetics by computer (Version 6.0.14)[Computer program]*. Retrieved March 4, 2016.
- Chatfield, C., & Collins, A. J. (1980). Principal component analysis. In *Introduction to multivariate analysis* (pp. 57–81). Springer.
- Corder, G. W., & Foreman, D. I. (2014). *Nonparametric statistics: a step-by-step approach*. John Wiley & Sons.
- Cowie, R., Douglas-Cowie, E., Tsapatsoulis, N., Votsis, G., Kollias, S., Fellenz, W., & Taylor, J. G. (2001). Emotion recognition in human-computer interaction. *Signal Processing Magazine, IEEE*, 18(1), 32–80.
- Dai, K., Fell, H. J., & MacAuslan, J. (2008). Recognizing emotion in speech using neural networks. *Telehealth and Assistive Technologies*, 31, 38.
- Das, B. K., Das, A., & Bhattacharjee, U. (2014). Detection of Voiced, Unvoiced and Silence Regions of Assamese Speech by Using Acoustic Features. *International Journal of Computer Trends and Technology*, 14(2), 43–45.
- Daubechies, I. (1992). *Ten lectures on wavelets* (Vol. 61). SIAM.

- Ekman, P. (1992). An argument for basic emotions. *Cognition & emotion*, 6(3-4), 169–200.
- Fgee, E.-B., Phillips, W., & Robertson, W. (1999). Comparing audio compression using wavelets with other audio compression schemes. In *Electrical and Computer Engineering, 1999 IEEE Canadian Conference on* (Vol. 2, pp. 698–701).
- Hamidi, M., & Mansoorizade, M. (2012). Emotion Recognition From Persian Speech With Neural Network. *International Journal of Artificial Intelligence & Applications*, 3(5), 107.
- Hass, J. (2003). *An Acoustics Primer, Chapter 6*. <http://www.indiana.edu/~emusic/acoustics/amplitude.htm>. (Accessed: 2016-04-12)
- Hsu, C.-W., Chang, C.-C., & Lin, C.-J. (2003). A practical guide to support vector classification.
- Izard, C. E. (2009). Emotion theory and research: Highlights, unanswered questions, and emerging issues. *Annual review of psychology*, 60, 1.
- Jain, N., & Srivastava, V. (2013). Data Mining techniques: A survey paper. *IJRET: International Journal of Research in Engineering and Technology*, 2(11), 2319–1163.
- Joachims, T. (1998). *Text categorization with support vector machines: Learning with many relevant features*. Springer.
- Joshi, D. D., & Zalte, M. (2013). Recognition of Emotion from Marathi Speech Using MFCC and DWT Algorithms.

- Jurgen, E. D. L. (1996). Correction of effects of memory valence and emotionality on content and style of judgements. *Cognition & Emotion*, 10(5), 505–528.
- Kamaruddin, N., Wahab, A., & Quek, C. (2012). Cultural dependency analysis for understanding speech emotion. *Expert Systems with Applications*, 39(5), 5115–5133.
- Kleinginna, P. R., & Kleinginna, A. M. (1981). A categorized list of emotion definitions, with suggestions for a consensual definition. *Motivation and emotion*, 5(4), 345–379.
- Koelstra, S., Mühl, C., Soleymani, M., Lee, J.-S., Yazdani, A., Ebrahimi, T., ... Patras, I. (2012). Deap: A database for emotion analysis; using physiological signals. *Affective Computing, IEEE Transactions on*, 3(1), 18–31.
- Kohavi, R. (1995). A study of cross-validation and bootstrap for accuracy estimation and model selection. In *Ijcai* (Vol. 14, pp. 1137–1145).
- Leavey, C., James, M., Summerscales, J., & Sutton, R. (2003). An introduction to wavelet transforms: a tutorial approach. *Insight-Non-Destructive Testing and Condition Monitoring*, 45(5), 344–353.
- Lieberman, P. (2007). The evolution of human speech. *Current Anthropology*, 48(1), 39–66.
- Ma, R. (2014). Parametric Speech Emotion Recognition Using Neural Network.
- Medhat, W., Hassan, A., & Korashy, H. (2014). Sentiment analysis algorithms and applications: A survey. *Ain Shams Engineering Journal*, 5(4), 1093–1113.
- Oh, B., Chng, K., & Hong, K. (2015). Audio-Visual Emotion Recognition Based

- on Feature Correlation Analysis. *International Information Institute (Tokyo). Information, 18(7), 3049.*
- Østgård, E. T. (2011). Statistical Modeling and Analysis of Repeated Measures, using the Linear Mixed Effects Model.
- Pan, Y., Shen, P., & Shen, L. (2012). Speech emotion recognition using support vector machine. *International Journal of Smart Home, 6(2), 101–108.*
- Parrott, W. G., & Hertel, P. (1999). Research methods in cognition and emotion. *Handbook of cognition and emotion, 61–81.*
- Plutchik, R. (1980). *Emotion: A psychoevolutionary synthesis.* Harpercollins College Division.
- P Values.* (n.d.). [http://www.statsdirect.com/help/default.htm#basics/p\\_values.htm](http://www.statsdirect.com/help/default.htm#basics/p_values.htm). (Acessed on May 12, 2016)
- Qiao, X., Li, H., Xiang, J., & Deng, H. (2011). The study of images emotion based on fMRI. *Web Information Systems and Mining, 66–72.*
- Rabiner, L., & Schafer, R. (1978). *Digital Processing of Speech Signals.* Prentice Hall.
- Rani, B. M. S., Rani, A. J., Ravi, T., & Sree, M. D. (2014). Basic Fundamental Recognition of Voiced Unvoiced and Silence Region of A Speech. *International Journal of Engineering and Advanced Technology, 4(2), 83–86.*
- Ray, R. D. (2007). Emotion elicitation using films. *Handbook of emotion elicitation and assessment, 9–28.*
- Reynaert, M., Oostdijk, N., Clercq, O. D., Heuvel, H., & Jong, F. (2010). Balancing

SoNaR: IPR versus processing issues in a 500-million-word written Dutch Reference Corpus.

Richardson, M. (2009). Principal component analysis.

Ruiz, M. E., & Srinivasan, P. (1998). Automatic text categorization using neural networks. In *Proceedings of the 8th ASIS SIG/CR Workshop on Classification Research* (pp. 59–72).

Salem, M. A., Ghamry, N., & Meffert, B. (2009). Daubechies Versus Biorthogonal Wavelets for Moving Object Detection in Traffic Monitoring Systems.

Santoso, S. (2010). *Statistik Nonparametrik : Konsep dan Aplikasi dengan SPSS*. Jakarta : Elex Media Komputindo.

Scherer, K. R., Banse, R., & Wallbott, H. G. (2001). Emotion inferences from vocal expression correlate across languages and cultures. *Journal of Cross-cultural psychology*, 32(1), 76–92.

Sheskin, D. J. (2003). *Handbook of parametric and nonparametric statistical procedures*. crc Press.

Smith, S. W. (1997). The scientist and engineer's guide to digital signal processing.

Starkweather, J. (2010). Linear Mixed Effects Modelling using R. *Unpublished Manuscript*.

Styler, W. (2013). Using Praat for linguistic research. *University of Colorado at Boulder Phonetics Lab*.

Sunny, S., Peter, S. D., & Jacob, K. P. (2011). Application of discrete wavelet transforms and artificial neural networks in recognizing spoken digits. In

*Proceeding of International Colloquiums on Computer Electronics Electrical Mechanical and Civil* (pp. 71–73).

Tan, L., & Jiang, J. (2007). *Fundamentals of Analog and Digital Signal Processing*. AuthorHouse.

Tzanetakis, G., Essl, G., & Cook, P. (2001). Audio analysis using the discrete wavelet transform. In *Proc. Conf. in Acoustics and Music Theory Applications*.

Wilde, P. D. (2013). *Neural network models: theory and projects*. Springer Science & Business Media.

Yadav, V. K., Jain, A., & Bhargav, L. (2015). Analysis and Comparison of Audio Compression Using Discrete Wavelet Transform. *Analysis*, 4(1).

Zhang, G. P. (2000). Neural networks for classification: a survey. *Systems, Man, and Cybernetics, Part C: Applications and Reviews, IEEE Transactions on*, 30(4), 451–462.

UMMN