References

- [1] "Global energy trends bp statistical review 2015." http://euanmearns. com/global-energy-trends-bp-statistical-review-2015/. Accessed: 2016-05-13.
- [2] "Sri lanka sustainable energy authority, "sri lanka energy balance"." https://stat.ethz.ch/R-manual/R-devel/library/stats/ html/hclust.html. Accessed: 2016-08-11.
- [3] E. Demir, T. Bektaş, and G. Laporte, "A review of recent research on green road freight transportation," *European Journal of Operational Research*, vol. 237, no. 3, pp. 775–793, 2014.
- [4] J. Gonder, M. Earleywine, and W. Sparks, "Analyzing Vehicle Fuel Saving Opportunities through Intelligent Driver Feedback," in SAE International Journal of Passenger Cars-Electronic and Electrical Systems, no. April, pp. 24–26, 2012.
- [5] CGI, "Modeling the Relation Between Driving Behavior and Fuel Consumption," tech. rep., 2014.
- [6] H. J. Walnum and M. Simonsen, "Does driving behavior matter? an analysis of fuel consumption data from heavy-duty trucks," *Transportation research part D: transport and environment*, vol. 36, pp. 107–120, 2015.
- [7] "Just how much does driver behavior actually affect fuel efficiency?." https:// www.fleetcarma.com/driver-behavior-fuel-cost/. Accessed: 2017-03-07.
- [8] O. Linda and M. Manic, "Improving vehicle fleet fuel economy via learning fuelefficient driving behaviors," *International Conference on Human System Interaction*, HSI, pp. 137–143, 2012.
- [9] E. Gilman, A. Keskinarkaus, S. Tamminen, S. Pirttikangas, J. R??ning, and J. Riekki, "Personalised assistance for fuel-efficient driving," *Transportation Research Part C: Emerging Technologies*, vol. 58, pp. 681–705, 2014.
- [10] "Fuel economy in automobiles." https://en.wikipedia.org/wiki/ Fuel_economy_in_automobiles. Accessed: 2017-03-06.
- [11] K. Ahn, H. Rakha, A. Trani, and M. Van Aerde, "Estimating Vehicle Fuel Consumption and Emissions based on Instantaneous Speed and Acceleration Levels," *Journal of Transportation Engineering*, vol. 128, no. 2, pp. 182–190, 2002.

- [12] A. Viswanathan, "Data driven analysis of usage and driving parameters that affect fuel consumption of heavy vehicles," 2013.
- [13] L. Wang, A. Duran, J. Gonder, and K. Kelly, "Modeling Heavy / Medium-Duty Fuel Consumption Based on Drive Cycle Properties," Tech. Rep. 2812, 2015.
- [14] L. Rokach, "Ensemble-based classifiers," in *Artificial Intelligence Review*, pp. 1– 39, 2010.
- [15] a. Liaw and M. Wiener, "Classification and Regression by randomForest," *R news*, vol. 2, no. December, pp. 18–22, 2002.
- [16] L. Breiman, "Random forests," Machine learning, vol. 45, no. 1, pp. 5–32, 2001.
- [17] M. Herrera, L. Torgo, J. Izquierdo, and R. Pérez-García, "Predictive models for forecasting hourly urban water demand," *Journal of Hydrology*, vol. 387, no. 1-2, pp. 141–150, 2010.
- [18] J. Chen, M. Li, and W. Wang, "Statistical uncertainty estimation using random forests and its application to drought forecast," *Mathematical Problems in Engineering*, vol. 2012, pp. 1–13, 2012.
- [19] J. H. Friedman, "Greedy function approximation: a gradient boosting machine," *Annals of statistics*, pp. 1189–1232, 2001.
- [20] P. Bühlmann and B. Yu, "Boosting with the l 2 loss: regression and classification," *Journal of the American Statistical Association*, vol. 98, no. 462, pp. 324–339, 2003.
- [21] I. Goodfellow, Y. Bengio, A. Courville, and Y. Bengio, *Deep learning*, vol. 1. MIT press Cambridge, 2016.
- [22] J. V. Tu, "Advantages and disadvantages of using artificial neural networks versus logistic regression for predicting medical outcomes," *Journal of Clinical Epidemiology*, vol. 49, no. 11, pp. 1225–1231, 1996.
- [23] "Historical or past weather api."." https://
 developer.worldweatheronline.com/api/docs/
 historical-weather-api.aspx. Accessed: 2017-03-06.
- [24] I. M. Berry, *The effects of driving style and vehicle performance on the real-world fuel consumption of US light-duty vehicles*. PhD thesis, Massachusetts Institute of Technology, 2010.
- [25] J. S. Stichter, "Investigation of Vehicle and driver aggressivity and realtion to fuel

economy testing," tech. rep., 2012.

- [26] B. Hofner, A. Mayr, N. Robinzonov, and M. Schmid, "Model-based boosting in R," tech. rep., 2012.
- [27] J. E. Nash and J. V. Sutcliffe, "River flow forecasting through conceptual models part i—a discussion of principles," *Journal of hydrology*, vol. 10, no. 3, pp. 282– 290, 1970.
- [28] P. Berkhin, "Survey Of Clustering Data Mining Techniques," Accrue Software, San Jose, CA, pp. 1–56, 2002.
- [29] "R documentation, "r: Hierarchical clustering." https://en.wikipedia. org/wiki/Fuel_economy_in_automobiles. Accessed: 2017-03-06.
- [30] O. Linda and M. Manic, "Improving vehicle fleet fuel economy via learning fuelefficient driving behaviors," in *International Conference on Human System Interaction, HSI*, pp. 137–143, 2012.
- [31] A. Aljaafreh, N. Alshabatat, and M. S. Najim Al-Din, "Driving style recognition using fuzzy logic," 2012 IEEE International Conference on Vehicular Electronics and Safety, ICVES 2012, pp. 460–463, 2012.
- [32] D. Dorr, D. Grabengiesser, and F. Gauterin, "Online driving style recognition using fuzzy logic," *Intelligent Transportation Systems (ITSC)*, 2014 IEEE 17th International Conference on, pp. 1021–1026, 2014.
- [33] H. R. Berenji and P. Khedkar, "Learning and tuning fuzzy logic controllers through reinforcements," *IEEE Transactions on neural networks*, vol. 3, no. 5, pp. 724–740, 1992.