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FEEDVIEW - An Analytic Multi-Platform Application

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Abstract: *A feedback oriented multi-platform application designed to create a survey for road transport. A simple way to provide a feedback/report for the concern department. Road development department no longer need to do physical surveys with the data collected from multiple user's they can directly take required actions. Car owner no longerneed to contact in person or online or by walk-in, he/she can just share the details with just one click. FEEDVIEW is a multi-platform application which can work on any platform like Android, IOS, Windows and Linux. It basically uses the sensors built in the phone to take the readings and give the precise location of potholes and the bumps which a user encounter in their journey from a source to destination. This app is basically built-in flutter which is a recent emerging language in which when we code in a single language and this code becomes compatible with all the languages. Distinguishing between different typesof physical activities using sensor data has been a recent research topic that has received considerable attention.*

Keywords: - Multi-platform, Application, Data, Survey,Sensor Data, Flutter, Android, Windows, IOS

REFERENCES

[1] Elton F. de S. Soares, Carlos Alberto V. Campos, Carlos A. de M. S. Quintella Smartphone-Based Real-Time Travel Mode Detection for Intelligent Transportation Systems.
[2] Amari Vaughn, Paul Biocco, Yang Liu, Mohd Anwar North Carolina A&T State University Activity Detection and Analysis Using Smartphone Sensors.
[3] Arash Jahangiri and Hesham A. Rakha, Member, IEEE Applying Machine Learning Techniques to Transportation Mode Recognition Using Mobile Phone Sensor Data.
[4] I. Putra, J. Brusey, E. Gaura, and R. Vesilo, "An EventTriggered Machine Learning Approach for Accelerometer-Based Fall Detection," Sensors, vol.18 no. 2, 2017, p. 20, doi:10.3390/s18010020
[5] B. Ripley, tree: Classification and regression trees.
[6] P. A. Gonzalez et al., "Automating mode detection for travel behavior analysis by using global positioning systems-enabled mobile phones and neural networks," IET Intell. Transp. Syst.. 4, no. 1, pp. 37–49, Mar. 2010.
[7] B. Nham, K. Siangliulue, and S. Yeung, Predicting mode of transport from iPhone accelerometer data, Stanford Univ., Stanford, CA, USA, Tech. Rep.,
[8] H. Mäenpää, A. Lobov, and J. L. M. Lastra, "Travel mode estimation for multi-modal journey planner," Transp. Res. Part C: Emerg. Technol., vol. 82, pp. 273–289, 2017.
[9] S. Dabiri and K. Heaslip, "Inferring transportation modes from GPS trajectories using a convolutional neural network," Transp. Res. Part C: Emerg. Technol., vol. 86, pp. 360–371, 2018.
[10] B. D. Martin, V. Addona, J. Wolfson, G. Adomavicius, and Y. Fan, "Methods for real-time prediction of the mode of travel using smartphone-based GPS and accelerometer data," Sensors, vol. 17, no. 9, 2017,
[11] B. Wang, L. Gao, and Z. Juan, "Travel mode detection using gps data and socioeconomic attributes based on a random forest classifier," IEEE Trans. Intell. Transp. Syst., vol. 19, no. 5, pp. 1547–1558, May 2018.
[12] Elton F. de S. Soares, Carlos Alberto V. Campos, Carlos A. de M. S. Quintella Smartphone-Based Real-Time Travel Mode Detection for Intelligent Transportation Systems

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[14] Arash Jahangiri and Hesham A. Rakha, Member, IEEE Applying Machine Learning Techniques to Transportation Mode Recognition Using Mobile Phone Sensor Data.
[15] I. Putra, J. Brusey, E. Gaura, and R. Vesilo, "An EventTriggered Machine Learning Approach for AccelerometerBased Fall Detection," Sensors, vol.18 no. 2, 2017, p. 20, doi:10.3390/s18010020
[16] B. Ripley, tree: Classification and regression trees.
[17] P. A. Gonzalez et al., "Automating mode detection for travel behavior analysis by using global positioning systems-enabled mobile phones and neural networks," IET Intell. Transp. Syst.. 4, no. 1, pp. 37–49, Mar. 2010.
[18] B. Nham, K. Siangliulue, and S. Yeung, Predicting mode of transport from iPhone accelerometer data, Stanford Univ., Stanford, CA, USA, Tech. Rep.,
[19] H. Mäenpää, A. Lobov, and J. L. M. Lastra, "Travel mode estimation for multi-modal journey planner," Transp. Res. Part C: Emerg. Technol., vol. 82, pp. 273–289, 2017.
[20] S. Dabiri and K. Heaslip, "Inferring transportation modes from GPS trajectories using a convolutional neural network," Transp. Res. Part C: Emerg. Technol., vol. 86, pp. 360–371, 2018.
[21] B. D. Martin, V. Addona, J. Wolfson, G. Adomavicius, and Y. Fan, "Methods for real-time prediction of the mode of travel using smartphonebased GPS and accelerometer data," Sensors, vol. 17, no. 9, 2017,
[22] B. Wang, L. Gao, and Z. Juan, "Travel mode detection using gps data and socioeconomic attributes based on a random forest classifier," IEEE Trans. Intell. Transp. Syst., vol. 19, no. 5, pp. 1547–1558, May 2018.