

Correction to: Development and Comparison of Algorithms to Derive Vehicle Location from Speed Profile Data

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Correction to: Urban Rail Transit

<https://doi.org/10.1007/s40864-018-0077-5>

The Online First versions of this paper contained the following errors.

1. The first sentence of the Abstract should be “The rapid increases in the quantity of data being gathered from technological systems such as railways can be used to improve their design and operation” instead of “The rapid increases in the quantity of data being gathered regarding technological systems such as railways can promote improvements in their design and operation”.
2. The first sentence of the second paragraph in the Introduction section should be “...as the time required for manual analysis of such datasets becomes impractical” instead of “...as the time required for manual analysis of such datasets will soon become impractical”.
3. The second sentence of the fourth paragraph in the Background section should be “Allotta et al. [6] developed an algorithm to correct the measurement errors introduced by wheel slip

when using wheel rotational speed to estimate train position between automatic train protection balises” instead of

“Allotta et al. [6] developed an algorithm to correct the wheel slip when using wheel rotational speed to estimate train position between automatic train protection balises”.

4. The third sentence of the last paragraph in section 3.2 should be “...and so it may become necessary to augment or replace this strategy with other methods such as reference to the line speed limits or the signalling system” instead of “...and so it may become necessary to augment or replace this strategy with other methods such as reference to the line speed limits or the signalling process”.
5. The third sentence of the second paragraph in section 3.3 should be “Once the algorithm had extracted such journeys from the dataset...” instead of “Once the algorithm had determined such journeys from the dataset...”.
6. The third bullet point in section 4.2.2 should be “During the autumn leaf-fall season...” instead of “During the autumn season with falling leaves...”.
7. The third and fourth sentences of the second paragraph in section 4.3.1 should be “However, this is a rather naïve representation. The solution space would be very large...” instead of “However, this is a rather simplistic representation. The solution range would be very large...”
8. The third sentence of the third paragraph in section 4.3.1 should be

The original article can be found online at <https://doi.org/10.1007/s40864-018-0077-5>.

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- “This gives a much smaller solution space...“instead of
 “This gives a much smaller range of solution...”
9. The fifth sentence of the last paragraph in section 4.3.2 should be
 “...many orders of magnitude faster than the heuristic algorithm” instead of
 “...many orders of magnitude were faster”.
 10. The first sentence of the penultimate paragraph in section 4.4.1 should be
 “...the algorithm was designed to only explore each branch until there were no viable options remaining for the next segment in the sequence” instead of
 “...the algorithm was designed to only explore each branch until none of the identities at that level follow nor proceed from the previous one”.
 11. The last sentence of the last paragraph in section 5.2 should be
 “...running times of the sequence-based algorithm can easily change from seconds to hours, or even days” instead of
 “...operation times of the sequence-based algorithm can easily change from seconds to hours, or even days”.
 12. The last sentence of the last paragraph in the Conclusions should be
 “Finally, the work described in this paper has provided a rich dataset of energy consumption and train running data...” instead of
 “Finally, the work described in this paper has provided an extensive dataset of energy consumption and train running data...”.
 13. The original online version of this paper contained the following error, although it was updated in the current online version, so the correction here only applies for the original online version
 The third sentence of the penultimate paragraph in section 4.2.1 should be
 “...the identity of the first of the two segments was set to the identity of the missing segment and the identity of the second was set to ‘(in-segment stop)’” instead of
 “...the identity of the first two segments was set to the identity of the missing segment and the identity of the second was set to ‘(in-segment stop)’”.

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