## Summary

WalkNet: A deep learning approach to improving

sidewalk quality and accessibility

The paper walked through the issue of how sidewalk quality and accessibility impact disable individuals but also everyone.

The group used deep learning models such as CNN to tackle the issue of identifying sidewalks that were of poor quality or accessibility.

## Main Impression

Well written and easy to read. The paper clearly states the problem the authors are trying to solve or provide a viable solution that cities could implement.

The authors also explain why this is an important issue and the impact poor sidewalk quality and accessibility has on the mobility challenged individuals.

Terms are explained clearly and in a manner that makes it easy for the reader to understand.

Thank you for the kind words.

## To Be Commended

The extension research that was done is outstanding and well presented in the paper. The authors were also able to tie this information in with their research to provide a robust analysis.

The algorithm design is detailed well in the paper. The authors provide it in a logical sequence.

Thank you again.

## To Be Improved

Areas of the paper become very technical. While I understood others that are outside the data science arena may not.

Adding more graphical views of the results

I agree that may be nice. I’m not sure what to add though.

## Journal Related

Data Science related and utilized and explored methods such as

1. Tensorflow
2. TFR
3. Classification Methods

## Comments to the Editor

No concerns. Sources reviewed were creditable.

## Recommendations:

Accept and submit paper with suggested revisions