

# Response to the Review Comments

Dear Editors and Reviewers,

Thank you very much for your insightful feedback and constructive suggestions. We have thoroughly addressed your comments in this revision. In the following, we provide a point-to-point response to comments from each reviewer.

>> RESPONSE TO REVIEWER 1 <<

> There are couple of minor things that should be addressed. I think that  
> the authors describe high level tendency of app usage with respect to  
> speed. I'm not sure why the authors compared number of unique app and  
> unique app category such as Fig. 10 (a) and (d), (b) and (e), and (c)  
> and(f). Also I wonder there is statistically meaningful relationship in  
> the results? It is general that users have more time to use apps when  
> there are sitting or waiting while they are busy when they are driving or  
> moving. I think that the authors should improve the analysis on app usage  
> and its correlation to mobility in detail. The results from the app usage  
> and its relation to mobility should be discussed.

Changes of this comment are in the 3rd paragraph at Page 16. Note that Fig.10 is changed to Fig.11 and Fig.11 is changed to Fig.12.

We have added the motivations of Fig.11 and Fig.12 at the beginning of section 6.3.

**[\*\*\*\*\* Pending change. Not very sure what the reviewer asks. \*\*\*\*\*]**

> In addition, it is also interesting to see browsers which took 50 percent  
> of the collected data. However, there was no mentation about how browsers.

Changes of this comment are in Table 1 at Page 16.

We add two new columns in Table 1 (Page 16) show example apps for each category and a short remark to explain most common usage of that category if necessary.

>> RESPONSE TO REVIEWER 2 <<

> It would be good to have a similar plot to Fig.7 that  
> shows the absolute error as a CDF and not just the fraction "e".

Changes of this comment are in the 2nd paragraph, the 3rd paragraph and Fig.7 at page 13.

We add figure 7(a) shown the empirical CDF of the absolute error. We also add the definition of the absolute error and the discussion of the CDF of absolute error.

We add the following reference and briefly discuss it in the 1st paragraph of related work section:

[4] Matthias Böhmer, Brent Hecht, Johannes Schöning, Antonio Krüjger, and Gernot Bauer. 2011. Falling asleep with Angry Birds, Facebook and Kindle: a large scale study on mobile application usage. In Proceedings of the 13th international conference on Human computer interaction with mobile devices and services. ACM, 47-56