

COVER LETTER

October 16th, 2019.

Prof. Dr. Bing Wu
Advisory Board
Journal of Visualized Experiments (JoVE)

Dear Editor,

We are pleased to submit our revised manuscript entitled “Design and Analysis for Fall Detection System Simplification” for possible inclusion in Journal of Visualized Experiments (JoVE).

In this revised version, we enhanced the manuscript considering the editorial comments. Thank you for the valuable feedback.

Below, you will find the point-to-point revision of the comments.

Editorial:

Editorial comments	Answers to the editorial
1. Step 1.2.1-1.2.5: Do these steps also involve coding algorithms? As you can imagine, filming someone coding would not be visually interesting and helpful to readers. Please either provide some details for each step to show the readers unhighlight these steps.	<p>These steps do not involve coding algorithms. They are planning steps, so we provided more details in the protocol. As a suggestion for the script, these steps can be filming while a person (e.g. scientist) is writing these plans in a whiteboard, setting the goal of the study, the target population, the types of falls and types of activities to be done during the experiment. This is a crucial phase in our protocol, so we would really like to see it on the video.</p> <p>Furthermore, we decided to highlight the steps that are more willing to be filming; trying to skip any coding algorithms or routines in the computer. The only exception is step 2.5.6 in which we detailed as much as we can about the coding settings. This is another big phase in our protocol and it is important to have a coherent story in the video.</p>
2. For all computational steps, please specify all actions so that a script can be generated for filming the protocol. In your current protocol, a lot of steps are generally described. For example, in step 2.5.7: Compare the machine learning methods by testing the selected models with the testing data set. However, you did not explain	<p>We included more details in all the steps highlighted for filming. As mentioned above, we decided to highlight the steps more important in the protocol, such that 2.5.7 is not highlighted anymore.</p>

how to test the model. To generate a script, all actions involved in testing the sample need to be included. Please ensure that all details are included in your protocol.	
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All the changes were highlighted in yellow at the Word file.

We are looking forward to hearing from you soon.

Best regards,

Lourdes Martínez-Villaseñor

Hiram Ponce