Technical Notes On ImageJ/Fiji/ActogramJ/JikesRVM Based Actigraphy Informatics Platform – A Simple Suggestion to Perform Actigraphy Analysis Using JikesRVM as the Java Virtual Machine (JVM).

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Abstract:

According to published literature:

“Actigraphy is a non-invasive method of monitoring human rest/activity cycles. A small actigraph unit, also called an actimetry sensor is worn for a week or more to measure gross motor activity. The unit is usually, in a wrist-watch-like package, worn on the wrist. The movements the actigraph unit undergoes are continually recorded and some units also measure light exposure. The data can be later read to a computer and analysed offline; in some brands of sensors the data are transmitted and analysed in real time.”[1-9]. We are interested in focusing on the above mentioned research topic as per the title of this communication. Interested in suggesting an informatics and computational framework in the context of Actigraphy using ImageJ/Actigraphy Plugin by using JikesRVM as the Java Virtual Machine.

Keywords: ImageJ/ActogramJ/JikesRVM/Actigraphy/Java Virtual Machine
Informatics Framework & Implementation:

For detailed information please refer to the Refs[1-9] and the Figure I presented above.

Since this is a short communication we do not intend to discuss all the details on an in-depth basis, this communication is just to inform readers about the latest trends & to encourage the readers to probe the interesting aspects of actography further using Java based technologies in the context of IoT.

Inspired by:


Source: http://journals.sagepub.com/doi/abs/10.1177/0748730411414264

Source: http://www.neurogenetics.biozentrum.uni-wuerzburg.de/startseite/
Acknowledgement/s:

No competing financial interest/s is/are declared in preparing this manuscript. This manuscript is meant to inspire others to develop more advanced circadian software and its applications in this demanding area of sleep studies using novel methodologies. The Authors strictly abide by all copyright agreements in using open source software or other such technologies used in this paper.Special thanks to all who made this happen. We thank FAPESP R&D funding via Versor Innovations/Tech 4 People Project, Santo Andre, SP, Brazil for generously supporting our research work.

References:


[4] https://imagej.net/Writing_plugins


