Developer Dashboards: The Need for Qualitative Analytics

The article shed lights on the importance of the qualitative analytics. To be more specific, the interview with Mozilla developers presented in the articles shows a need for good qualitative dashboards designed to improve developers' situational awareness to help manage workload while performing day-to-day development tasks. Accordingly, the essay provides several insights. Firstly, there are many technology organizations have embraced an analytics-driven decision-making process to help them be at competitive advantage. In addition, these analytics aim to allow developer to answer questions critical to their projects by providing fact-based views about projects. Analytics results often put emphasis on quantitative analysis, presenting data as graphical dashboards with reports and charts. Secondly, although current dashboards are often geared toward project managers, they aren't well suited to help individual developers. Thus, the author interviews with Mozilla developers and points out that developers face obstacles maintaining a global understanding of the tasks on which they're working and that they desire improved support for situational awareness, a form of qualitative analytics that's difficult to achieve with current quantitative tools. Lastly, this essay illustrates that these developer-oriented qualitative analytics do not aim to supplant quantities approaches. Besides, it is both kinds analytics, dashboards, that exist together to provide specialized view into the extraordinary wealth of information. Moreover, by taking more task-specific

views about development into account, these analytics can enhance the developers' abilities to keep pace with the development evolution.

The whole reading passage could give us some reflection about qualitative analytics. While the both quantitative and qualitative analytic approaches can provide real-time insight toward the project, most analytics approaches are quantitative analysis that are usually geared toward manager instead of developers. As a result, the current analytics poorly support developers' day to day development task. However, if we put much emphasis on qualitative analytic, the developer can benefit from it by improving the situational awareness. Below are the details.

The developer are usually interests in what they are working on, and the qualitative analytics emphasize the attribute and the relationship of a set of artifacts. To elaborate, the qualitative approach offer insights into particular items that developers working on. Thus, developers can pay attention to the evolution of development issue, and they can prioritize their own task much better. Apparently, the qualitative analytics can benefit developers much better and increase their situational awareness of the project that they are working on.

In conclude, both qualitative and quantitative exist to offer specialized views into the information about how the software project develops and maintains. In addition, developer-oriented qualitative method don't aim to supplant quantitative approach. Consequently, I significantly believe that by considering more task-specific views that are aimed for developer, these analytics can improve software development.