Using Profiling Metrics to Categorise Peer Review Types in the Android Project

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Abstract: Profiling of open source software (OSS) peer reviewers have many potential benefits related to quality assurance of both software and project. In this paper, we investigate its benefits such as identifying hidden experts, identifying inactive or disinterested members to gauge the health of the OSS project and assisting aspiring members to monitor performance, identifying opportunities for career improvement. Preliminary results are promising, proving that our categories are practical and opening many avenues for future work. Recent improvements of data repositories mining tools and techniques make this research timely in able to provide quantitative insights for OSS peer review projects.