Abstract

Many software efforts estimation models and methods are invented to make efforts estimation accurate. Unfortunately no model or method is suitable for all kind of project and situations. It is frequently suggested that using experience data, estimation models and checklists can increase software effort estimation accuracy. However, there has been limited empirical research on the subject. It was found that in projects where experience data was utilized in the estimation process, they experienced a lesser magnitude of effort overruns. The use of a checklist also appeared to increase estimation accuracy. The utilization of an estimation model did not appear to have a substantial impact [08]. This paper is suggesting that use of estimation model can also produce good estimation results, but historical data is always necessary to assist the estimation. We can use historical data to improve the result of Use Case Point and COCOMO model. In our research we have gain 10% improvement in Use case Point model with use of historical data. This paper is also suggesting that a strong monitoring policy is always required to make your estimation as a success.

References
Efforts Estimation by Use Case Point using Experience Data

- Karner Gautav "Resource Estimation for objector project; Objective system SF AB 1993.

Index Terms

Computer Science

Software Engineering
Keywords
Software estimation  experience data  estimation models  checklists  COCOMO
Use Case Point