CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY

Name(s)
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Project Number
S1208

Project Title
The Intentional Loss

Abstract

Objectives/Goals
The goal was to determine whether or not the intentional walk in baseball is a good idea or not, using two separate C++ programs. One program with the intentional walk, and one without. After that, the objective was determining how many more runs were gained/lost from doing this.

Methods/Materials
The Method used was a C++ program. Our materials, being general, consisted of a computer, C++ software, bored materials, text books, and the internet.

Results
Running each program 50 times, and finding the averages, we found that with the intentional walk the SF Giants gain over 3x's more runs. The program with the intentional walk's percentage of runs being 77%, and the program without the intentional walk's percentage of runs being 23%

Conclusions/Discussion
After running our project, we decided that using the intentional walk is a bad idea. The team up to bat gains a lot more runs if you use the intentional walk. It is a better idea to pitch to the batter and hope for a strike out.

Summary Statement
We used two C++ programs to determine whether or not the intentional walk in baseball is a good idea.

Help Received
Student helped with bored suggestions; Teacher suggested topic; Student helped with working out bugs in programs.