**Brain Storm Result Group05**

Our Group still wants to focus on the quality of Linux stable kernel code. There are some data we want to extract for indicators we designed in final project.

**The Properties we want to acquire:**

The number of commits, the author, commit date, fix tags percent and numbers of commit lines.

We will extract the properties by using git command and regular expression.

**The Hypothesis**

We want to choose the fix tag percent as a method to express the quality of code directly. After discussion we think that the average commit time and the number of commits may be two main factors of the code’s quality. So, our hypothesis is the number of commit and the average commit time influencing the code’s quality the most obviously.

Absolutely, we will detect the data which may be regarded as outlier and then normalize it.

Additionally, we attempt to use multiple linear regression and take other advanced technologies into consider such as decision tree, CNN and Naive Bayes. We choose to use one(maybe two) of them and establish a model which can calculate the four indicators and produce a result.

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