Assignment 2

CSCI 5308

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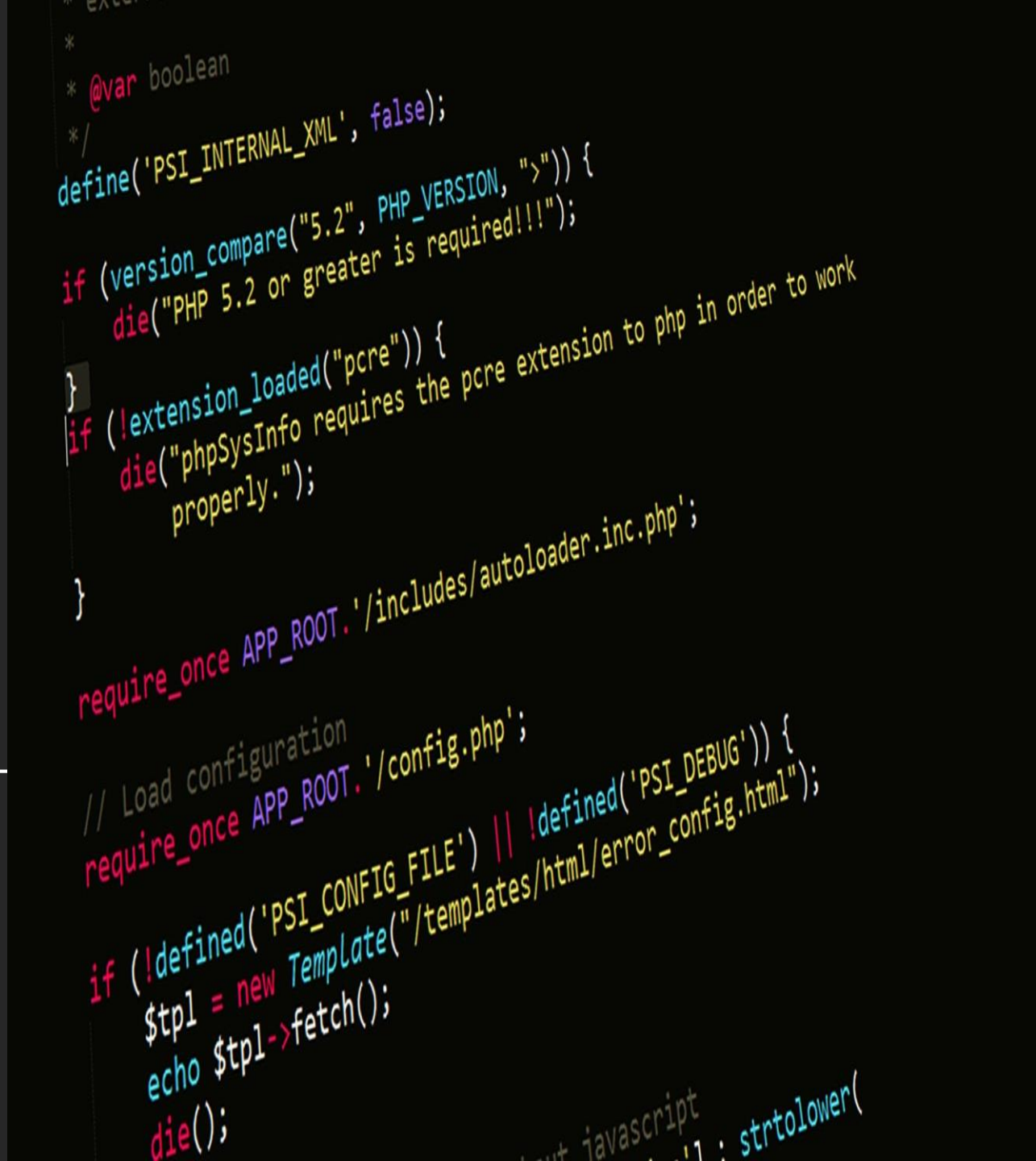
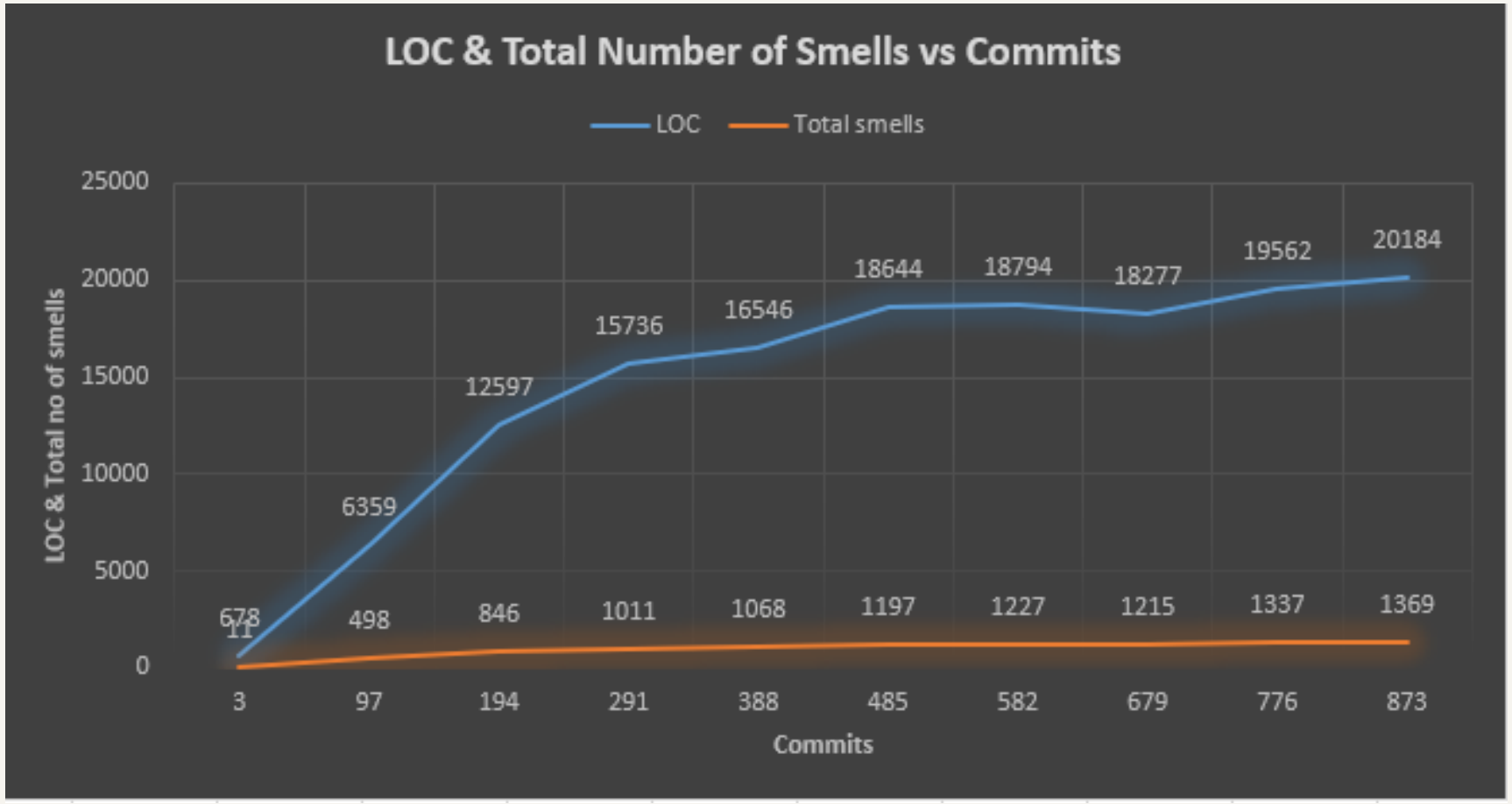


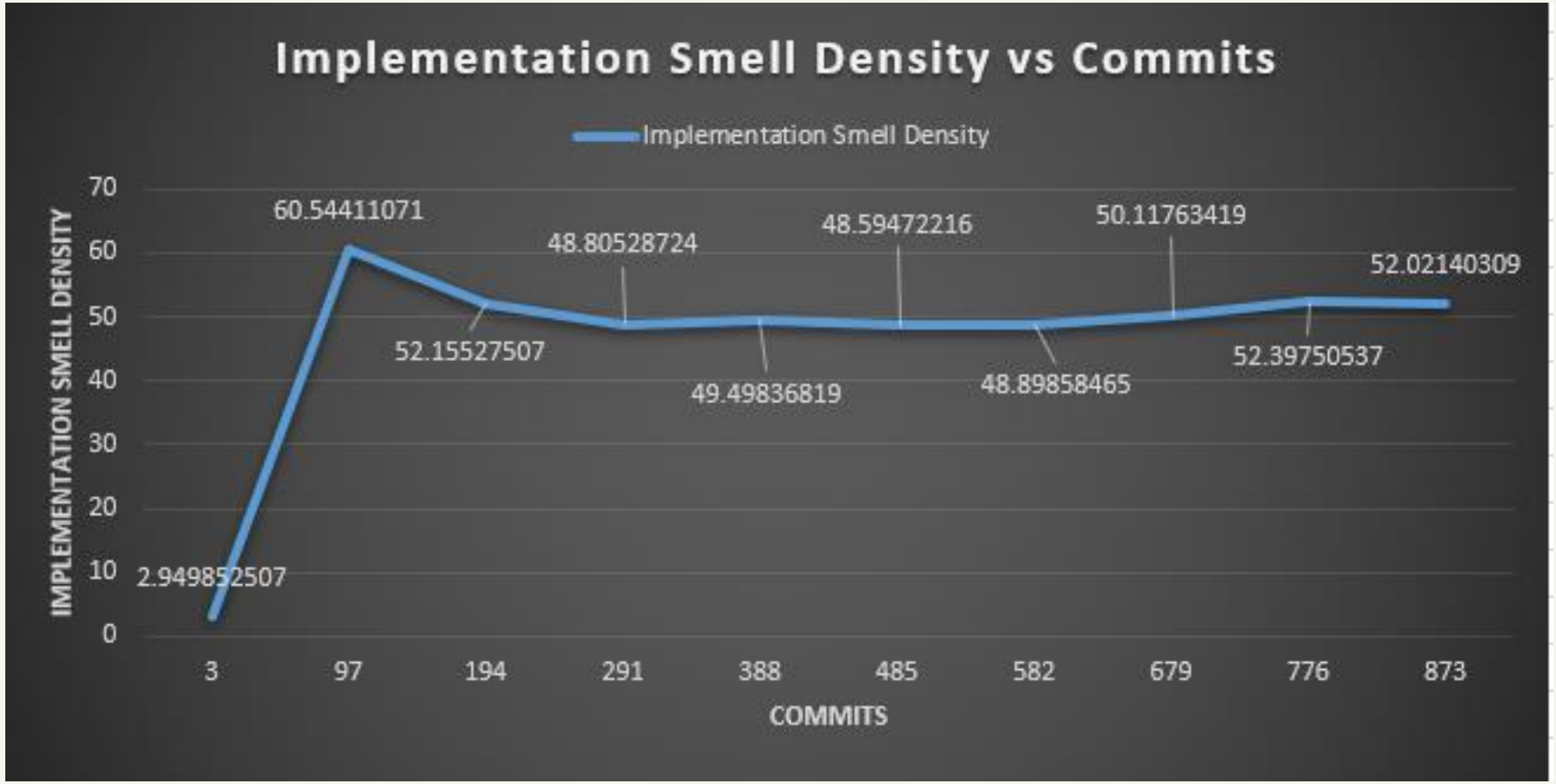
What is this presentation about?

This presentation depicts all the smells information of the open source project (greenDAO) I selected for Assignment 2, and it shows all the stats in the form of plots.

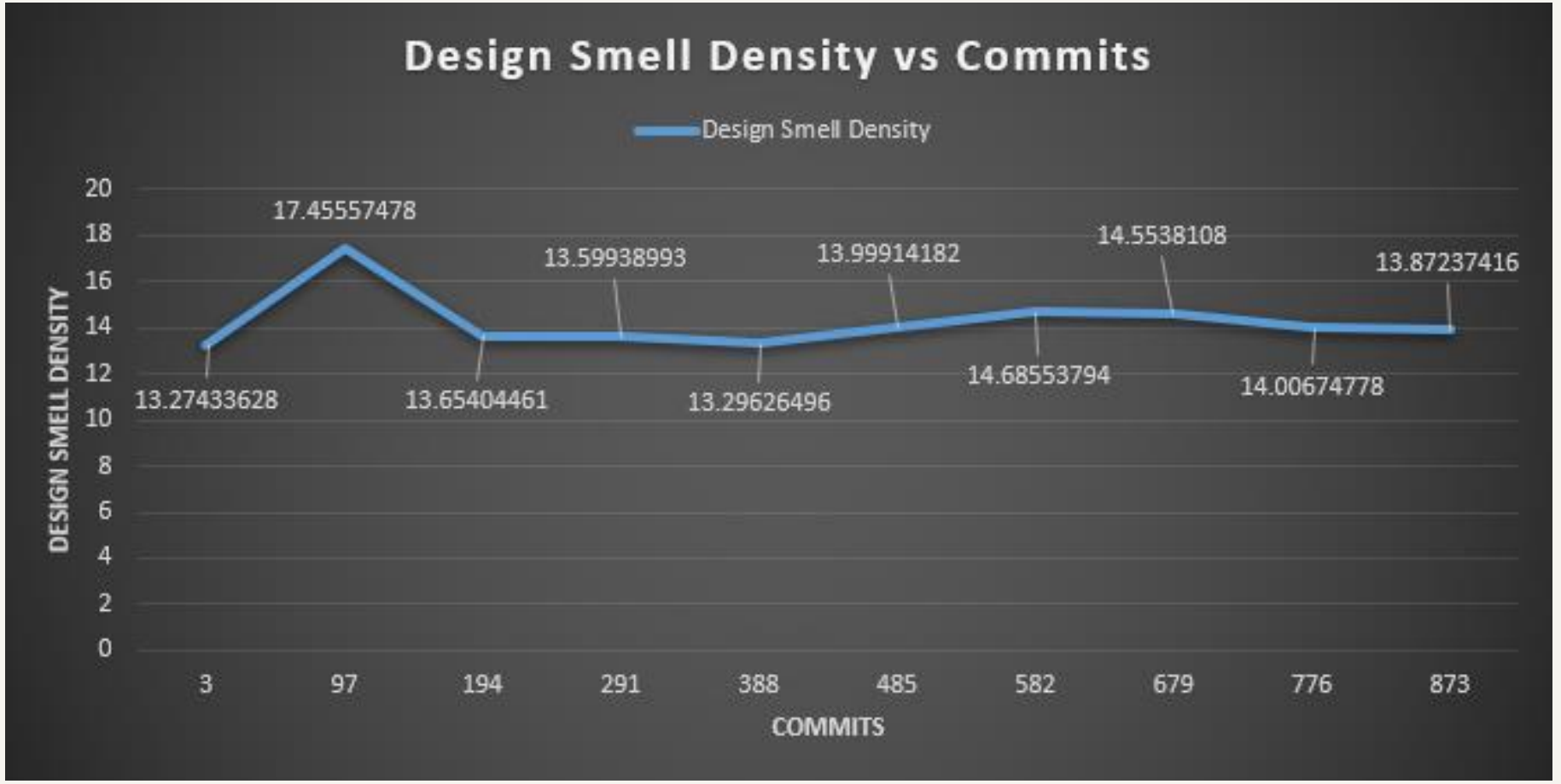
LOC & Total No of Smells vs Commits



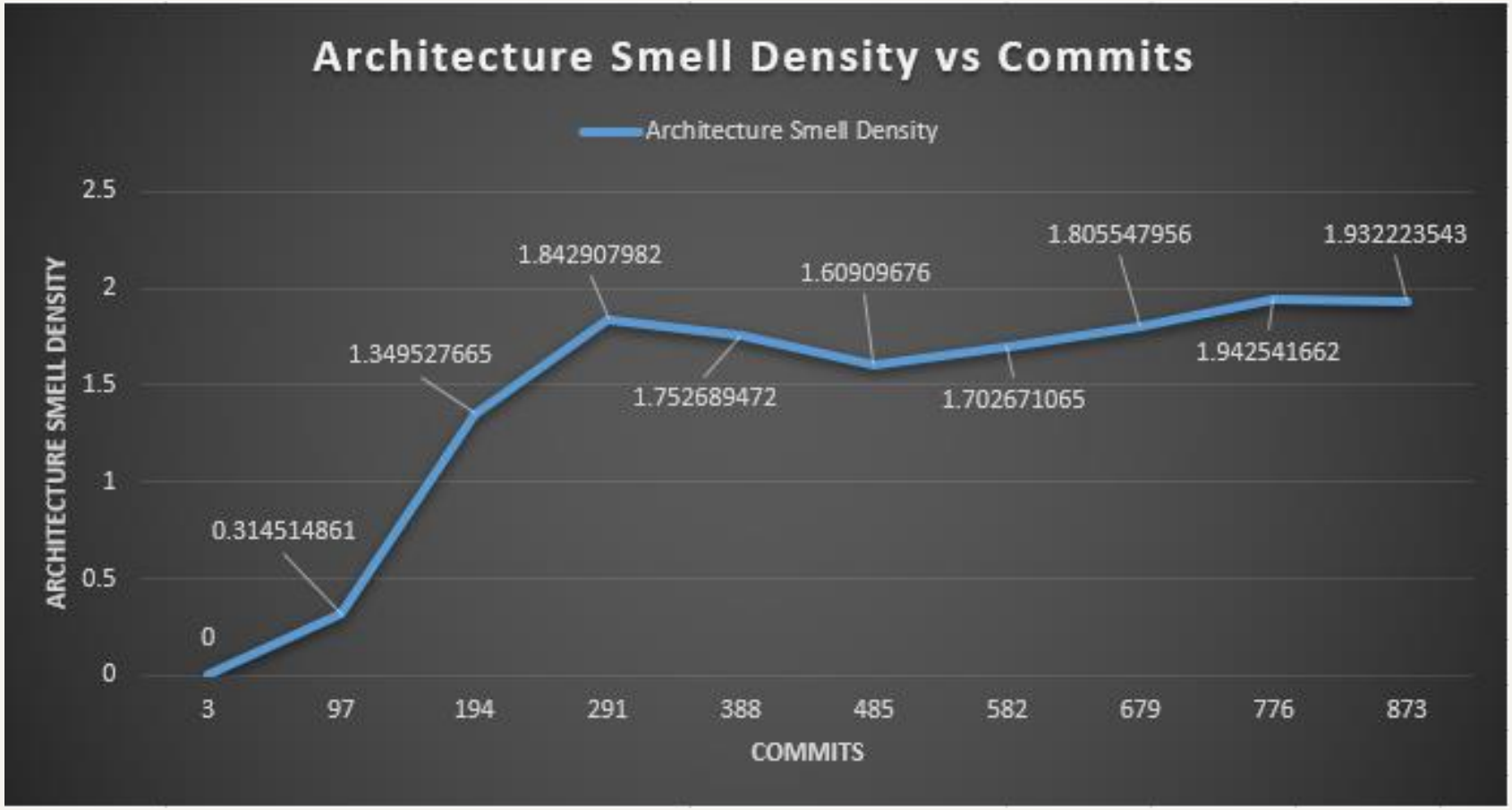
Implementation Smell Density vs Commits



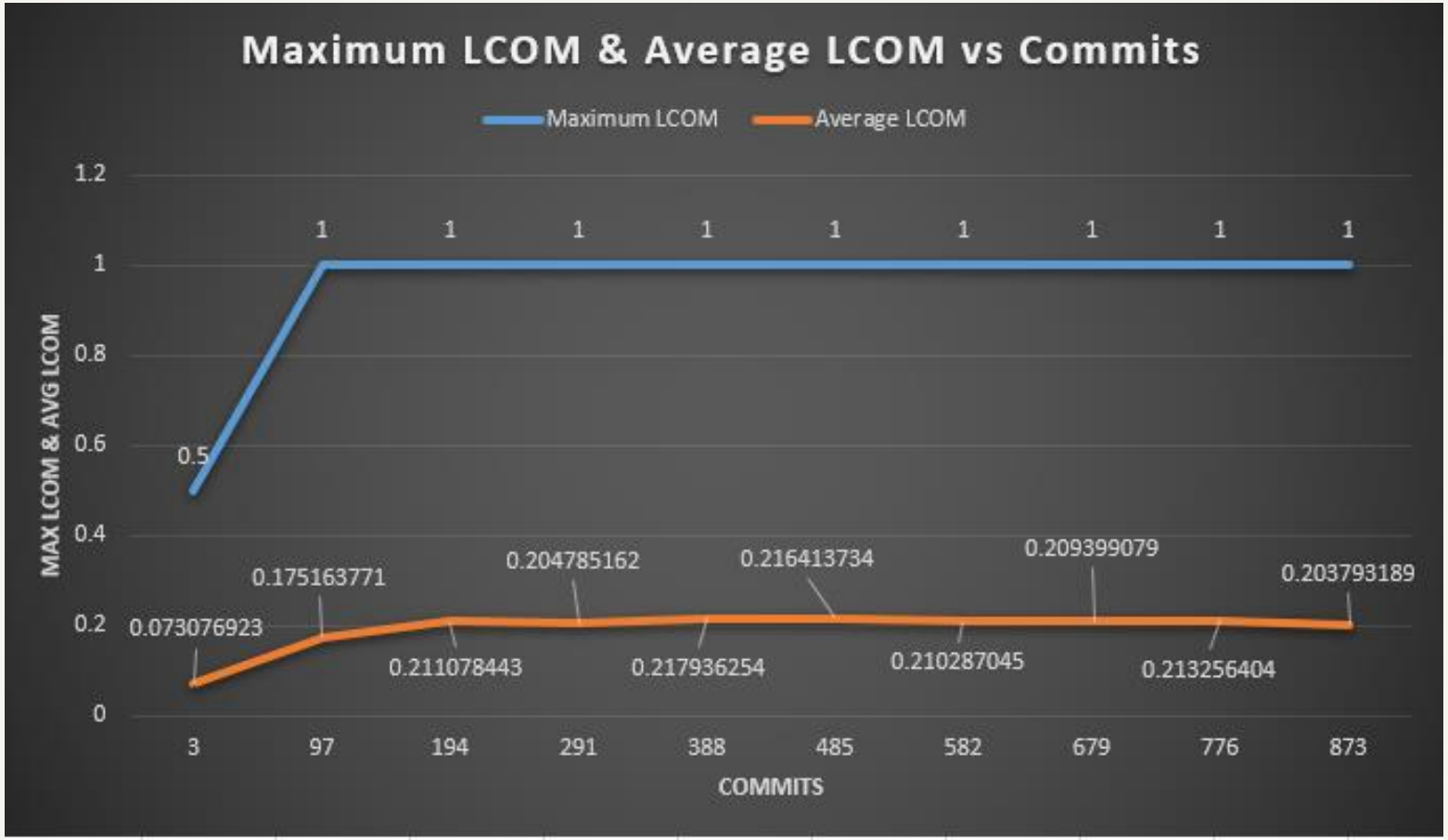
Design Smell Density vs Commits



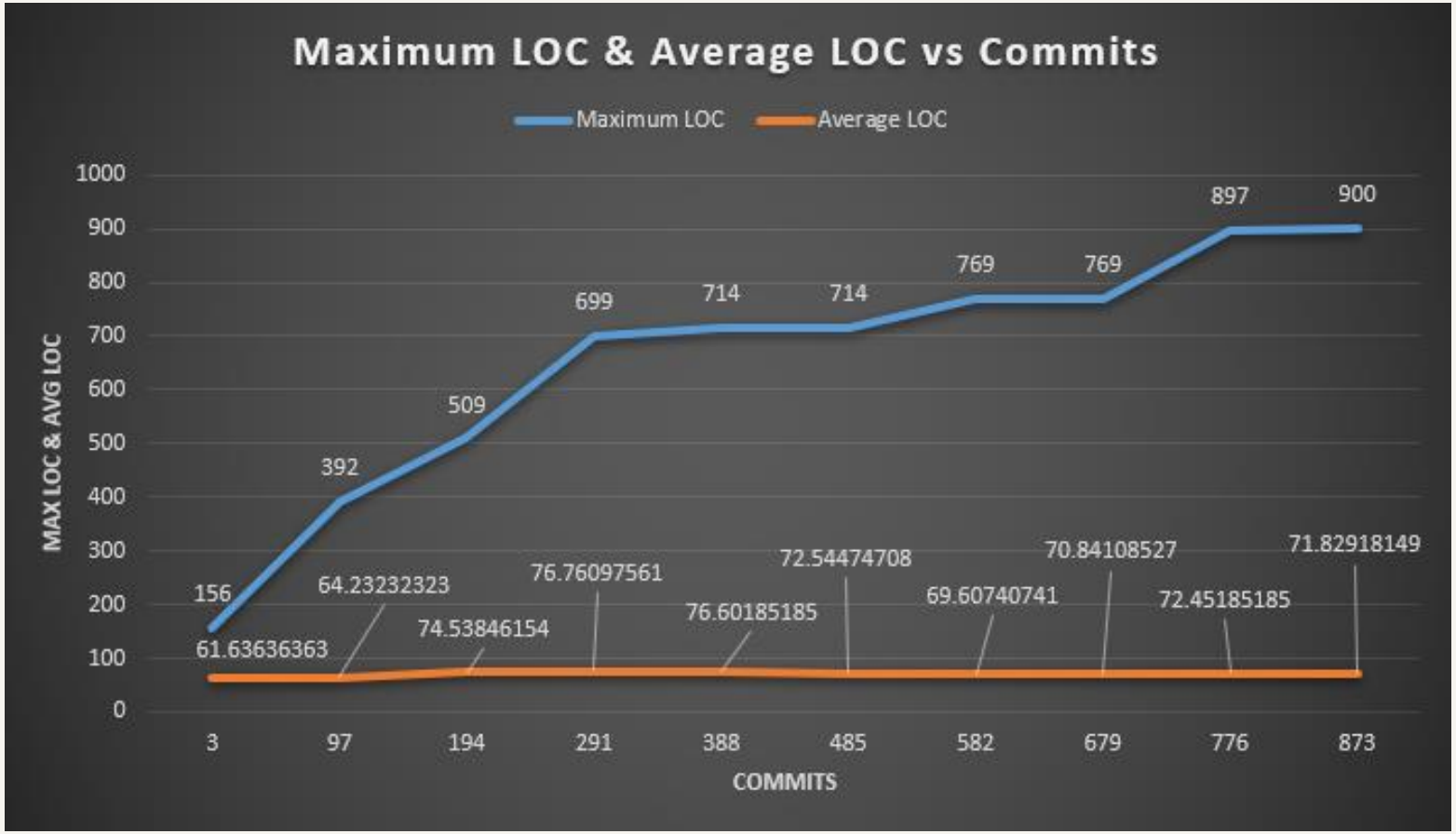
Architecture Smell Density vs Commits



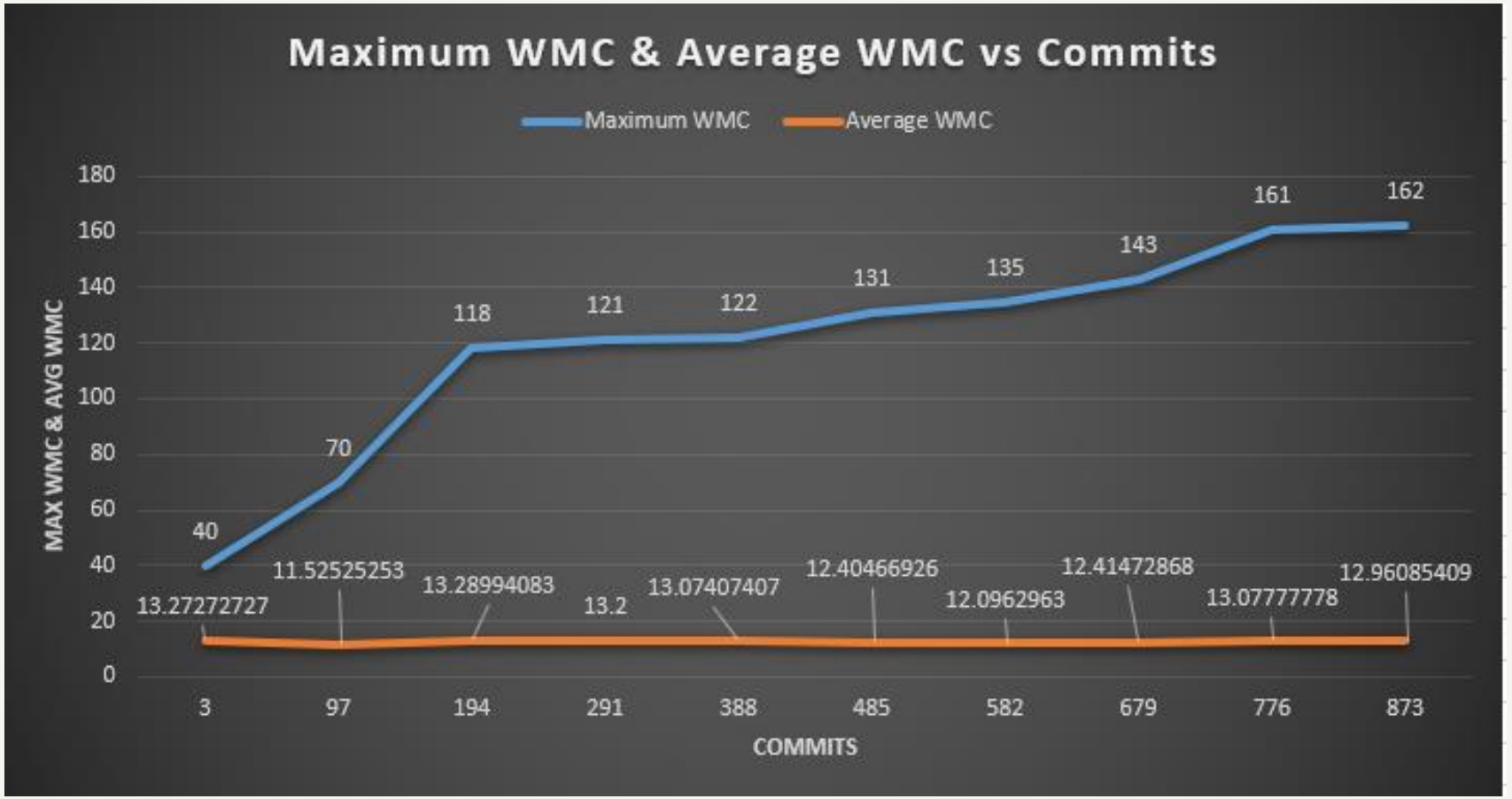
Maximum LCOM & Average LCOM vs Commits



Maximum LOC & Average LOC vs Commits



Maximum WMC & Average WMC vs Commits



Interesting Observations

- As we can observe, the maximum Lines of Code (LOC) kept increasing as the commits kept on increasing but the average LOC remained almost constant but not exactly constant.

- The average LCOM and maximum LCOM rose up suddenly between commit 1 and commit 2 but then after commit 2, both of these fields remained at the same level throughout the commits.

- While the Design Smell Density and Implementation Smell Density had a similar pattern to Average LCOM and Maximum LCOM, Architecture Smell Density had different plans. It rose up on a high note until commit 4 from the starting point, but later on didn’t show much consistency in it’s rise.

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Thank you!