

Assignment 2

CSCI 5308

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```
* exten
*
* @var boolean
*/
define('PSI_INTERNAL_XML', false);

if (version_compare("5.2", PHP_VERSION, ">")) {
    die("PHP 5.2 or greater is required!!!");
}

if (!extension_loaded("pcre")) {
    die("phpSysInfo requires the pcre extension to php in order to work properly.");
}

require_once APP_ROOT.'/includes/autoloader.inc.php';

// Load configuration
require_once APP_ROOT.'/config.php';

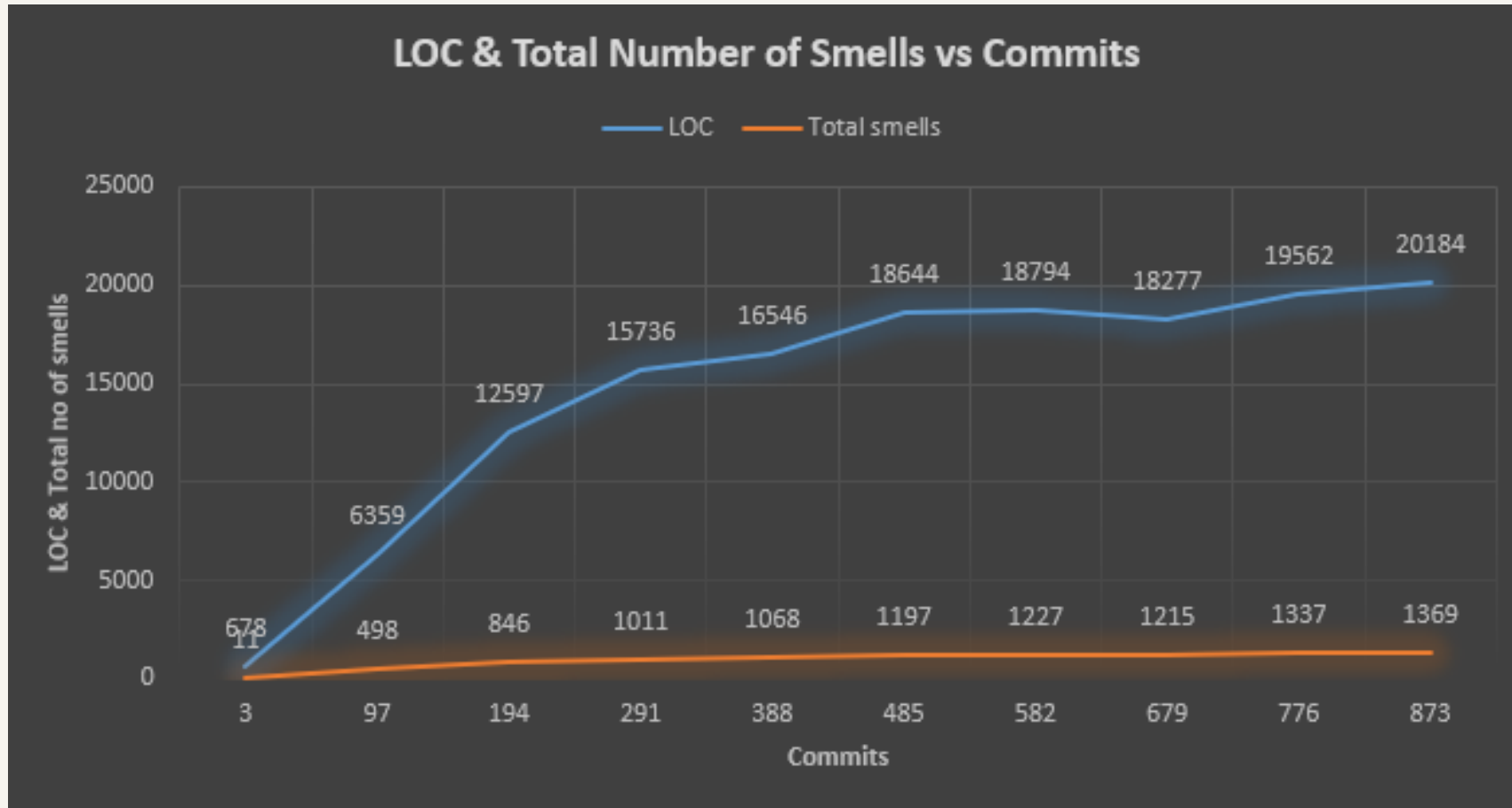
if (!defined('PSI_CONFIG_FILE') || !defined('PSI_DEBUG')) {
    $tpl = new Template("/templates/html/error_config.html");
    echo $tpl->fetch();
    die();
}

// Output javascript
$js = strtolower(
```

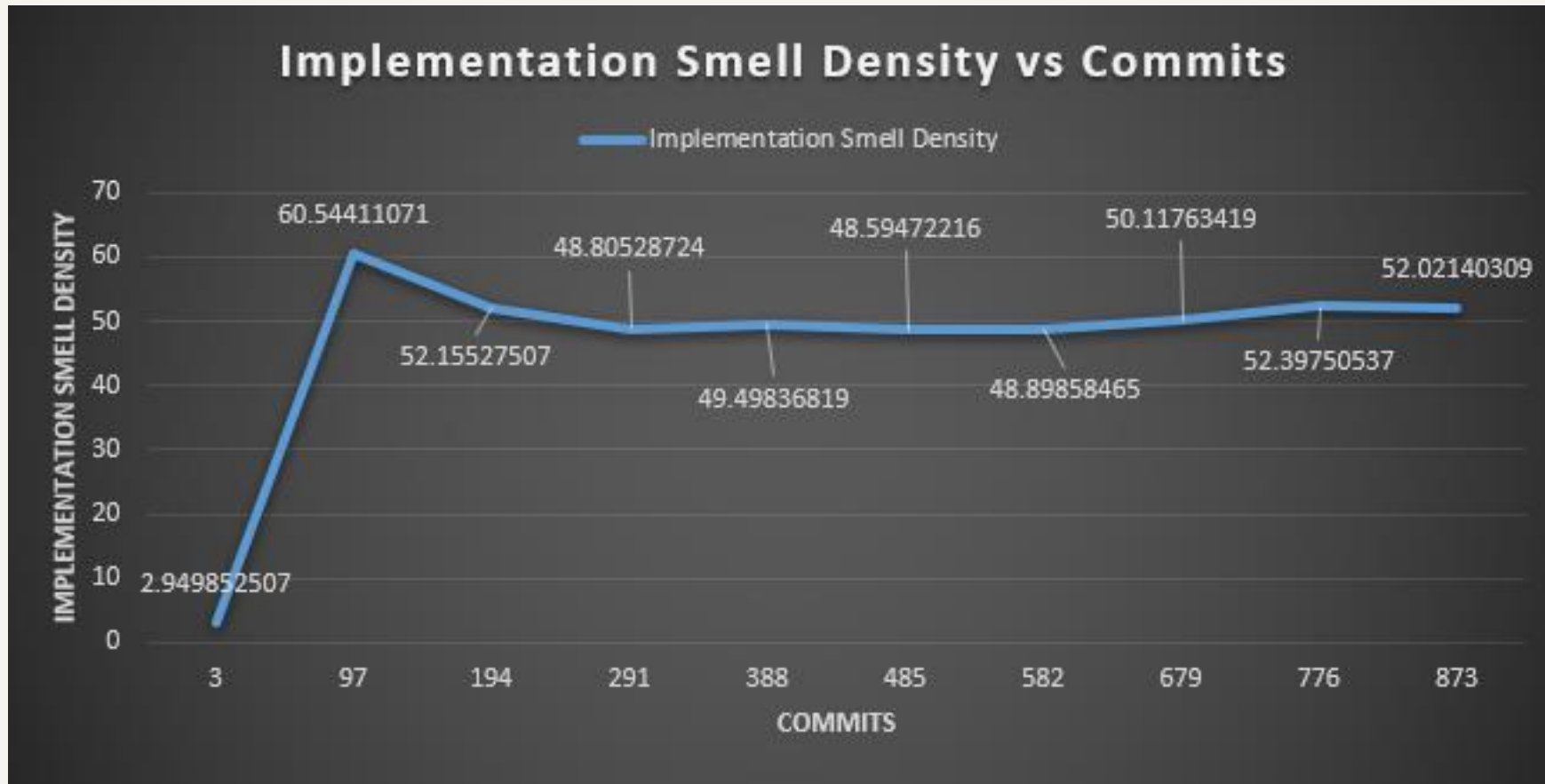
What is this presentation about?

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.

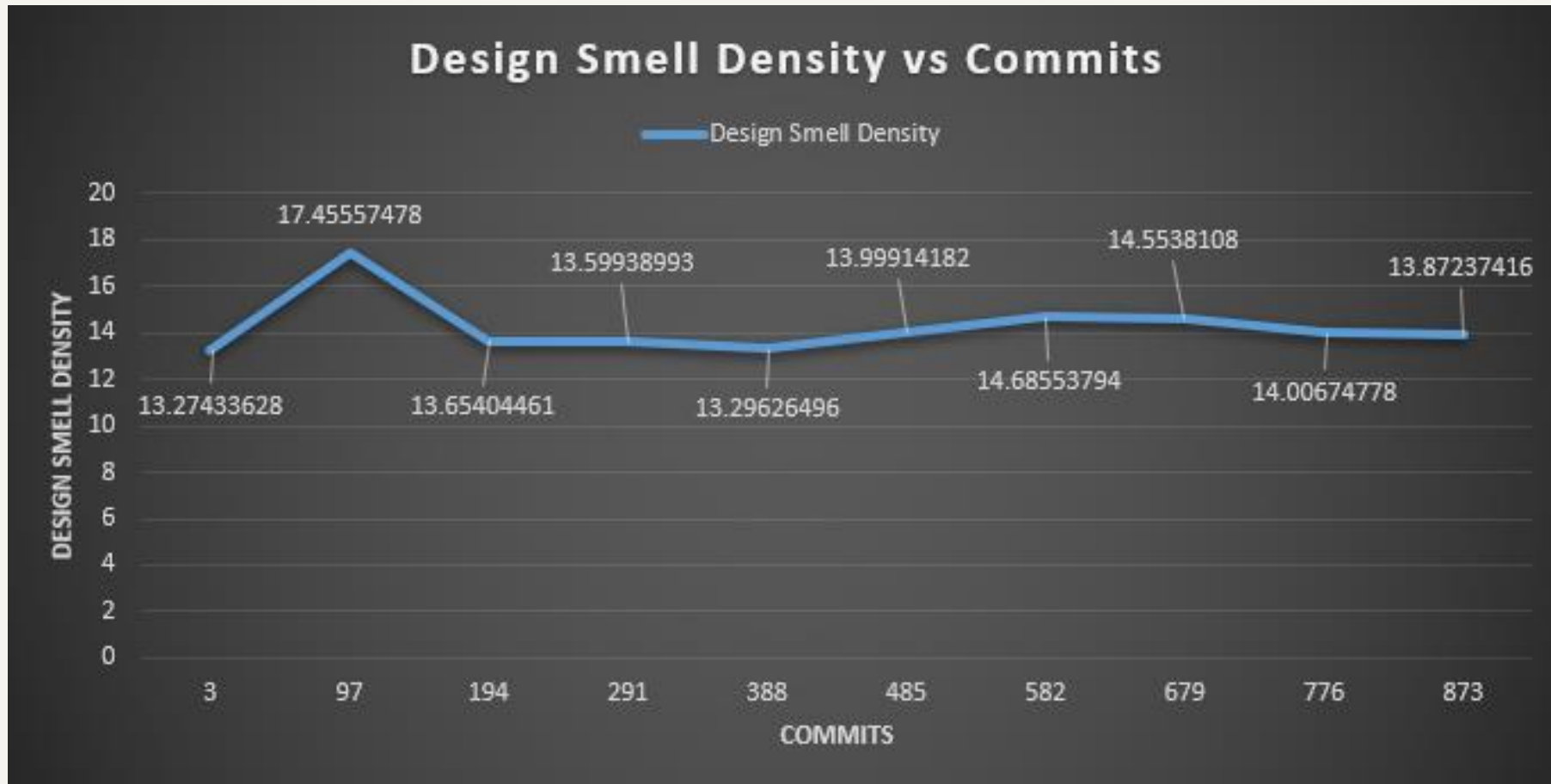
LOC & Total No of Smells vs Commits



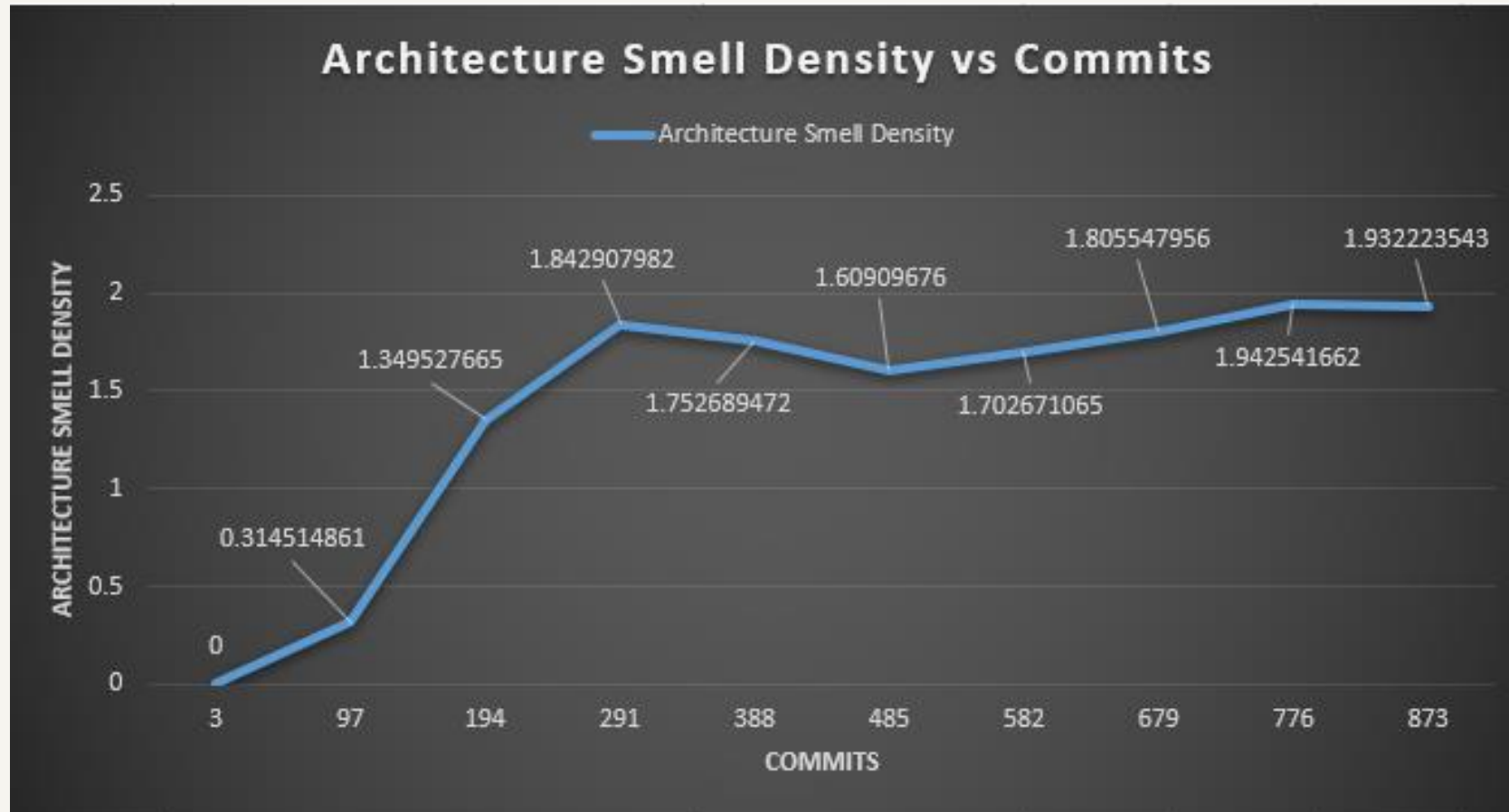
Implementation Smell Density vs Commits



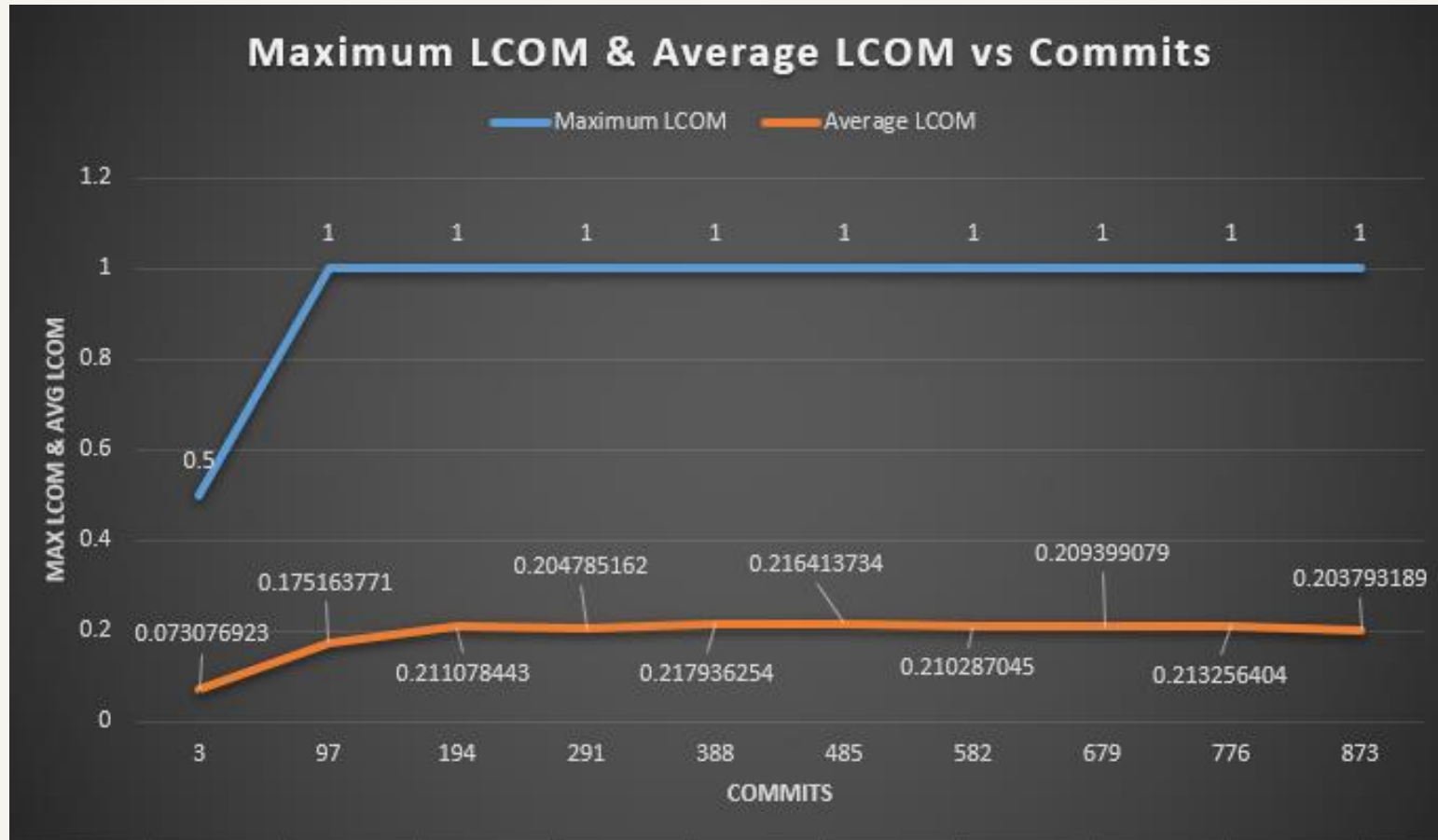
Design Smell Density vs Commits



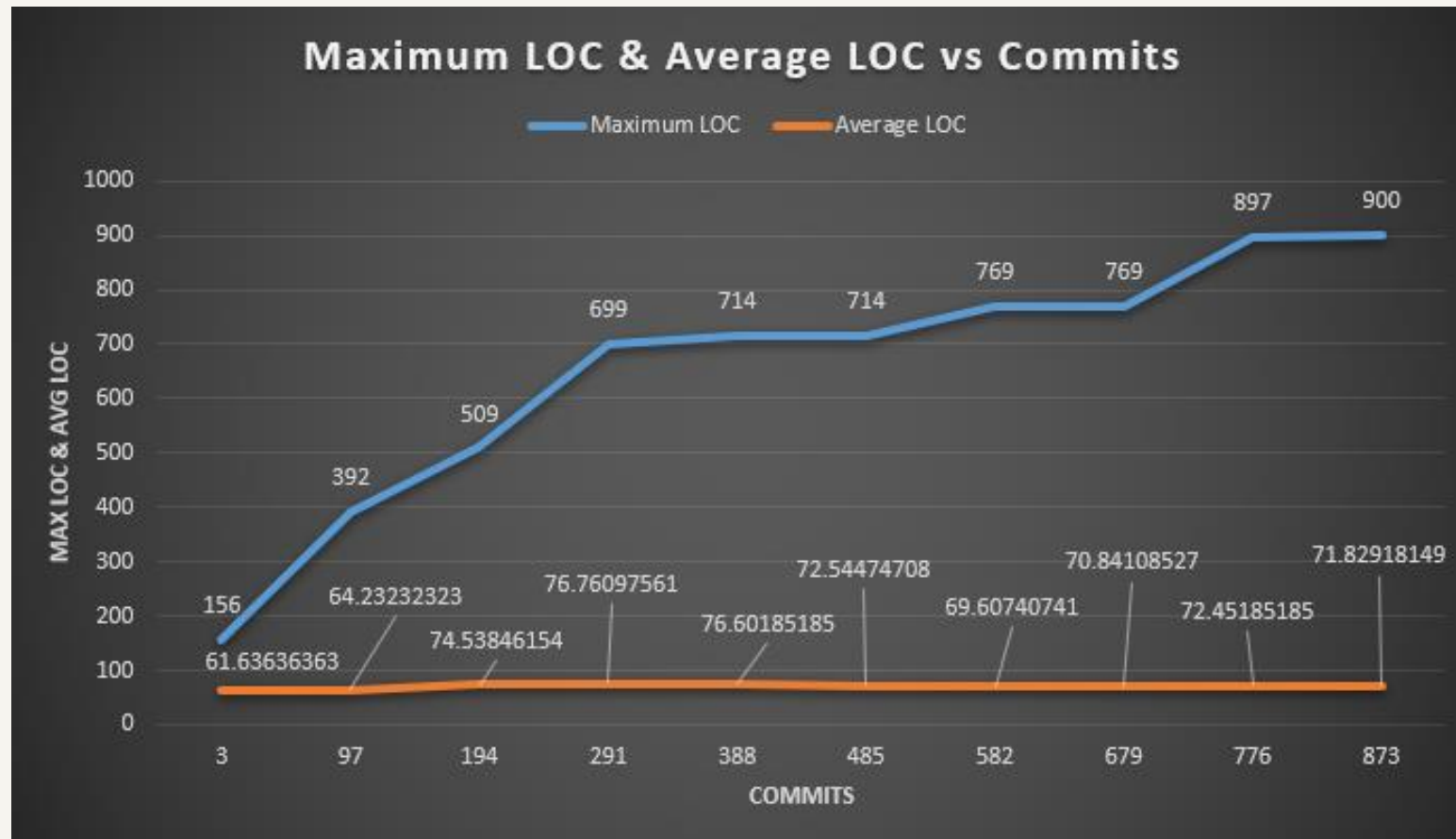
Architecture Smell Density vs Commits



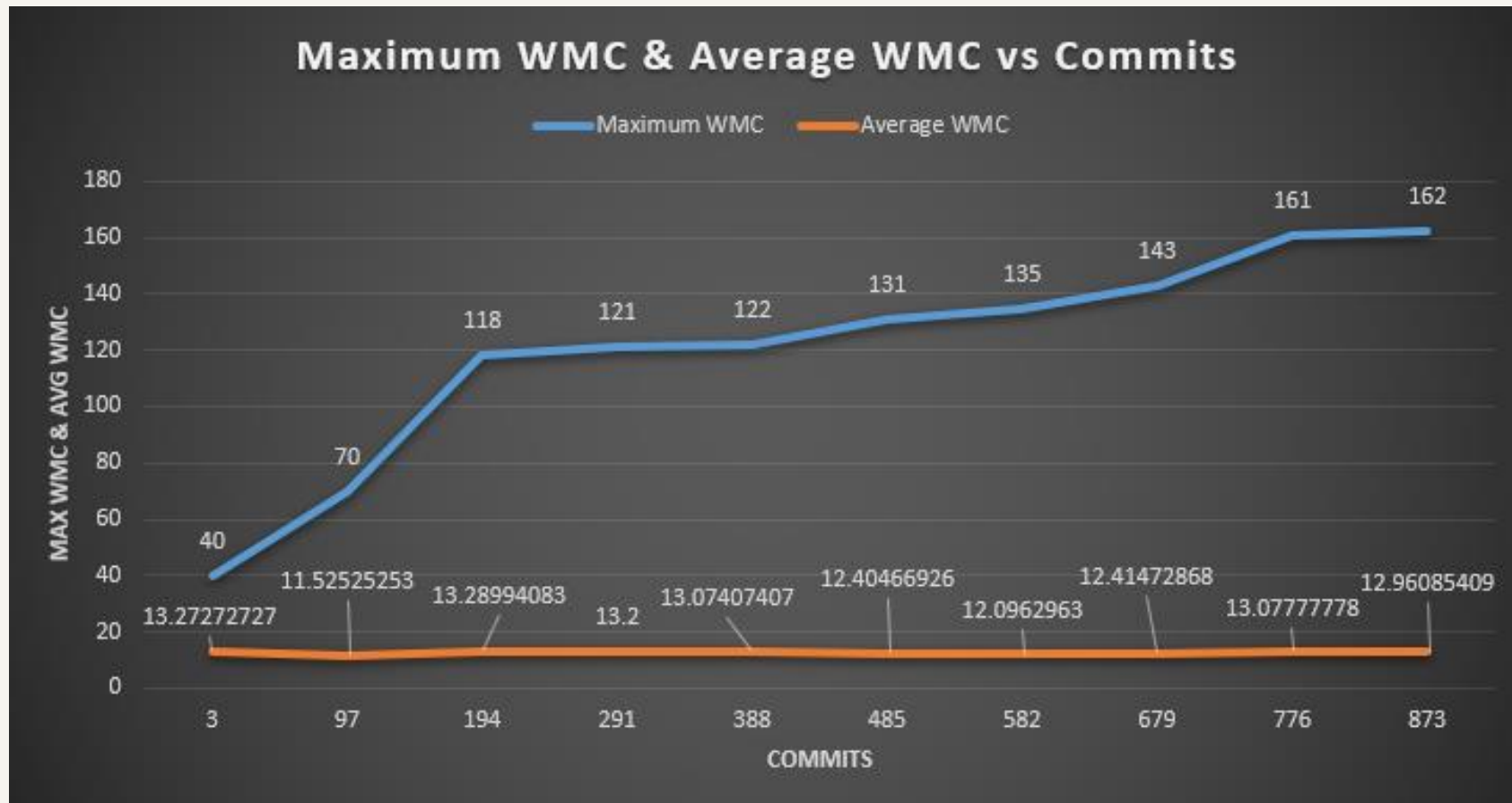
Maximum LCOM & Average LCOM vs Commits



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 its rise.



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Thank you!