**EXPLORATORY ANALYSIS**

**DISTRIBUTIONS**

**& CORRELATIONS**

**6**

**NULL HYPOTHESIS TESTS**

**SIMPLE LINEAR MODELLING**

**LINEAR MIXED MODELLING**

**6**

**PROJECT ANALYSIS**

**INCREAISNG COMPLEXITY**

**Identify the main characteristics of the data set**

**Distributions inform subsequent statistical tests.   
Correlations identify relationships and confounding factors**

**6**

**Using a the Mann-Whitney test identify if there is a significant difference between metric populations**

**Test a linear model with team factors as the independent variables and CK metrics at the dependent variables**

**6**

**Enrich the model using the ‘random intercepts’ approach to accommodate for project-specific idiosyncrasy**

**Using clustering, identify two projects for deeper analysis, studying the code-level drivers that drive observed trends**