



Generating the Blueprints of the Java Ecosystem

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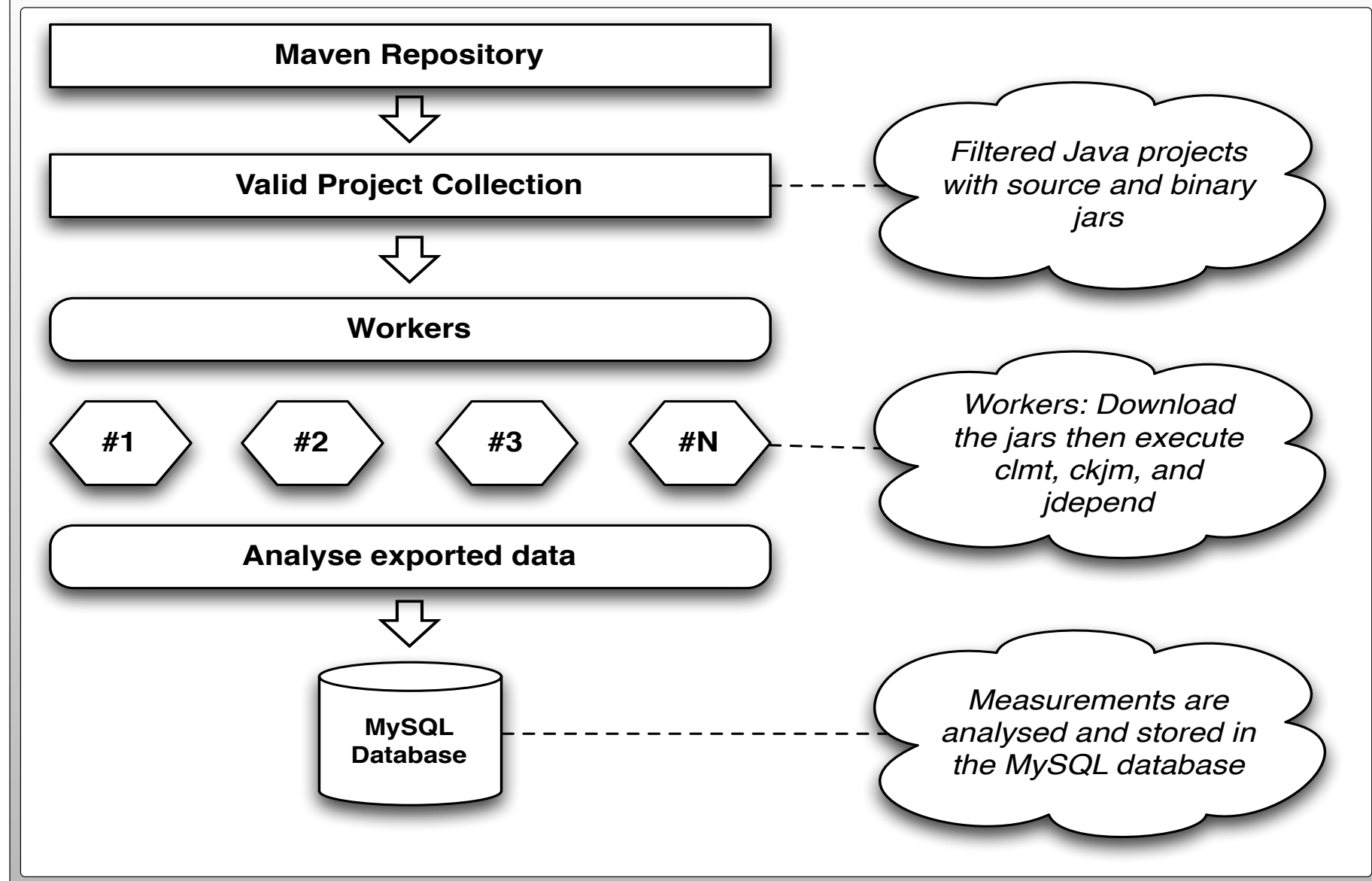
ΟΙΚΟΝΟΜΙΚΟ
ΠΑΝΕΠΙΣΤΗΜΙΟ
ΑΘΗΝΩΝ



ATHENS UNIVERSITY
OF ECONOMICS
AND BUSINESS



Dataset Construction Process

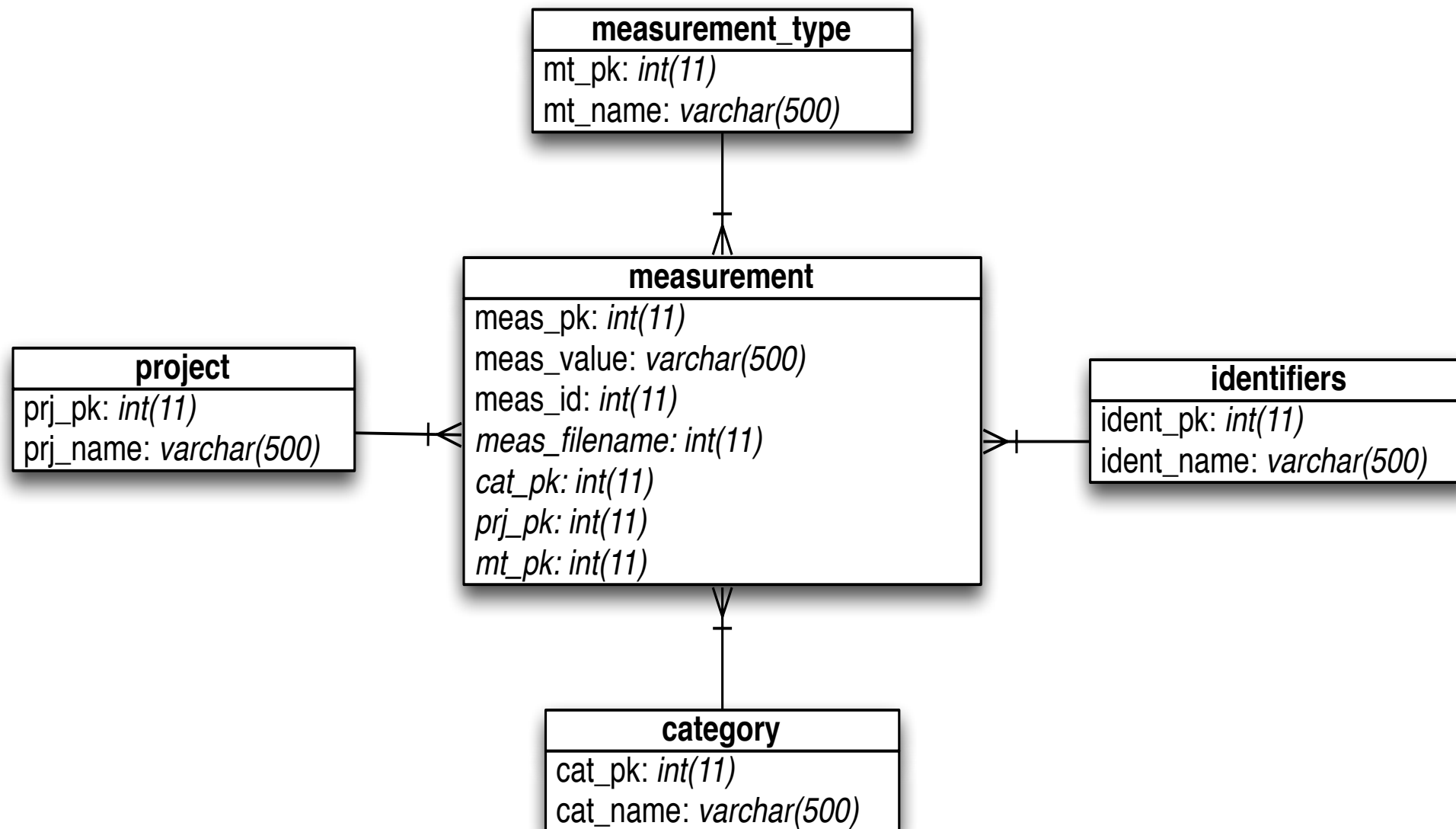




43 Metrics
22,730 JARs
11,365 Projects
446,749 Artefacts
74,565,772 LoC
32,844,836 Measurements

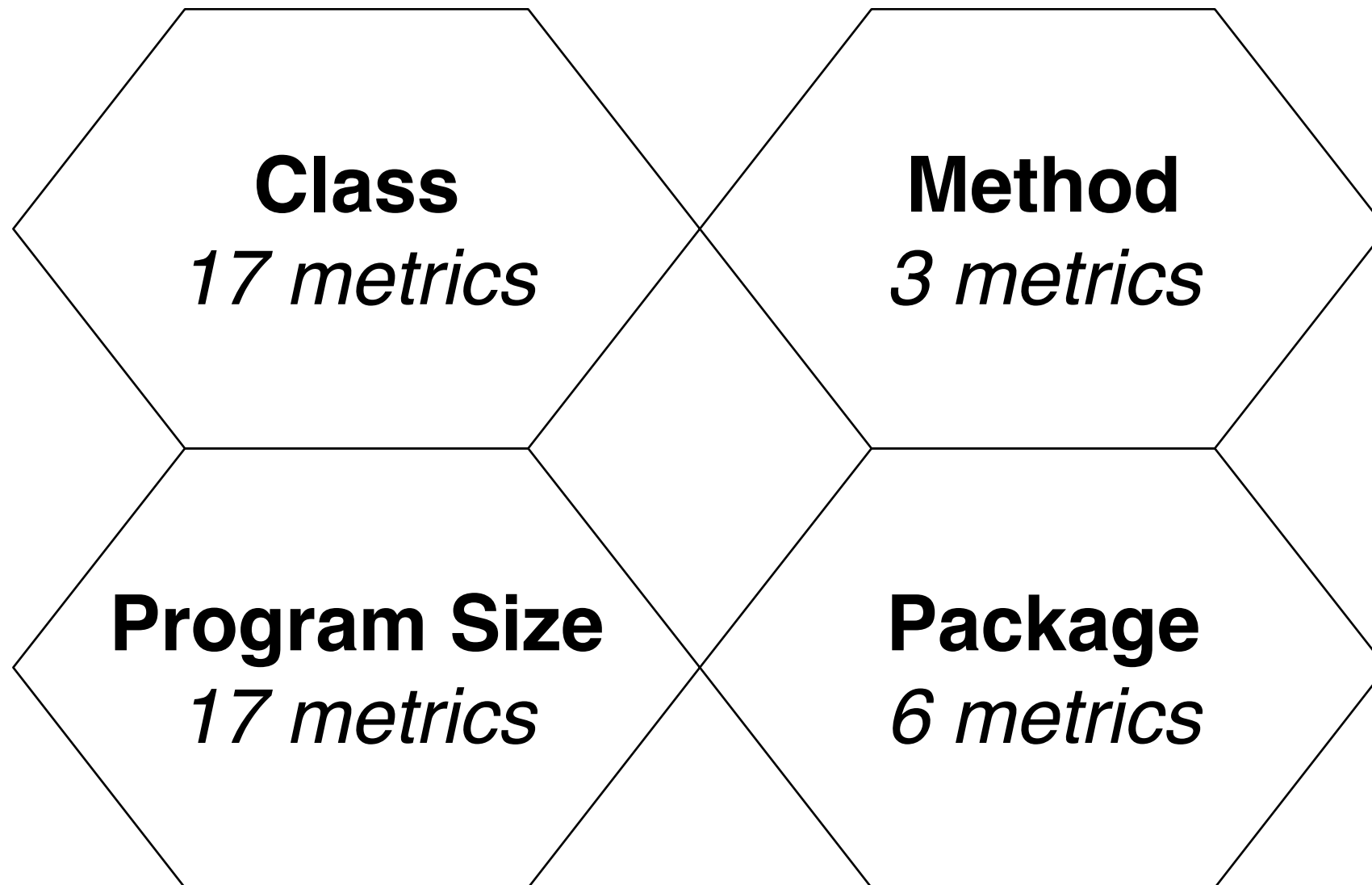


Database Schema





Metric Categories





Detecting Domain-Specific Language Usage in Open Source Projects

XML

SQL

HTML

RTF

Regular Expressions

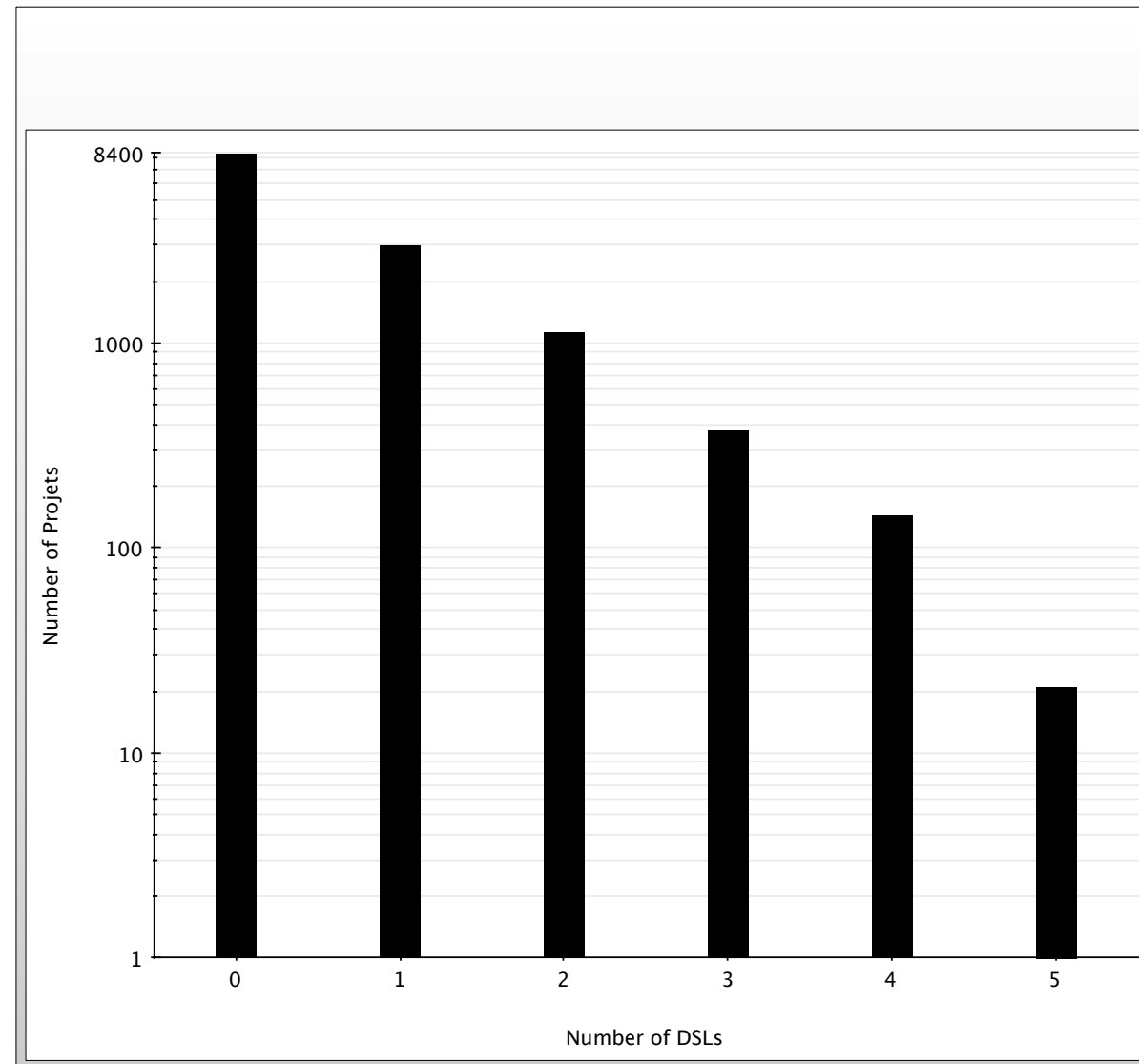
XSLT

XPATH

DSLs



How many DSLs are used per project?





#1 XML with 3094 uses

Regex, 1751

SQL, 1035

XSLT, 888

XPath, 190

HTML, 68

RTF, 7



Findings

~35% projects use ≥ 1 DSL

547 projects use 4 DSLs

8 projects use 7 DSLs!



Thank You

Github Dataset Repository

