


Text File Format Identification

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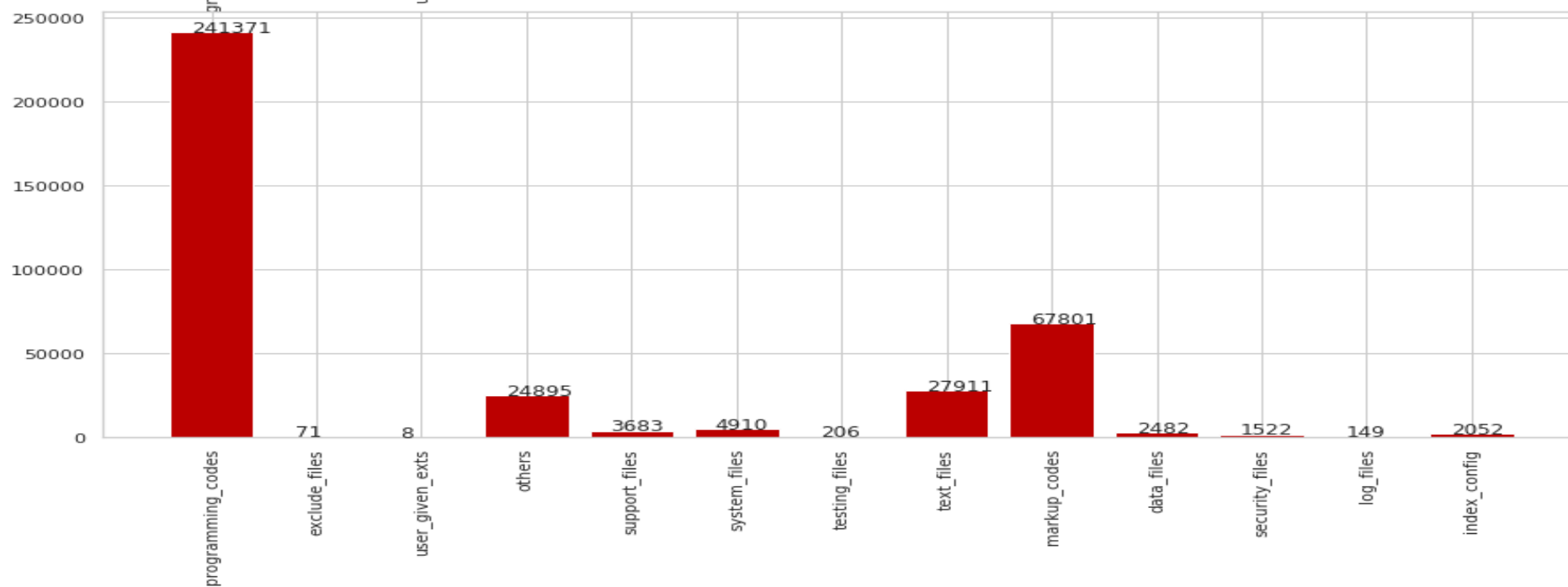
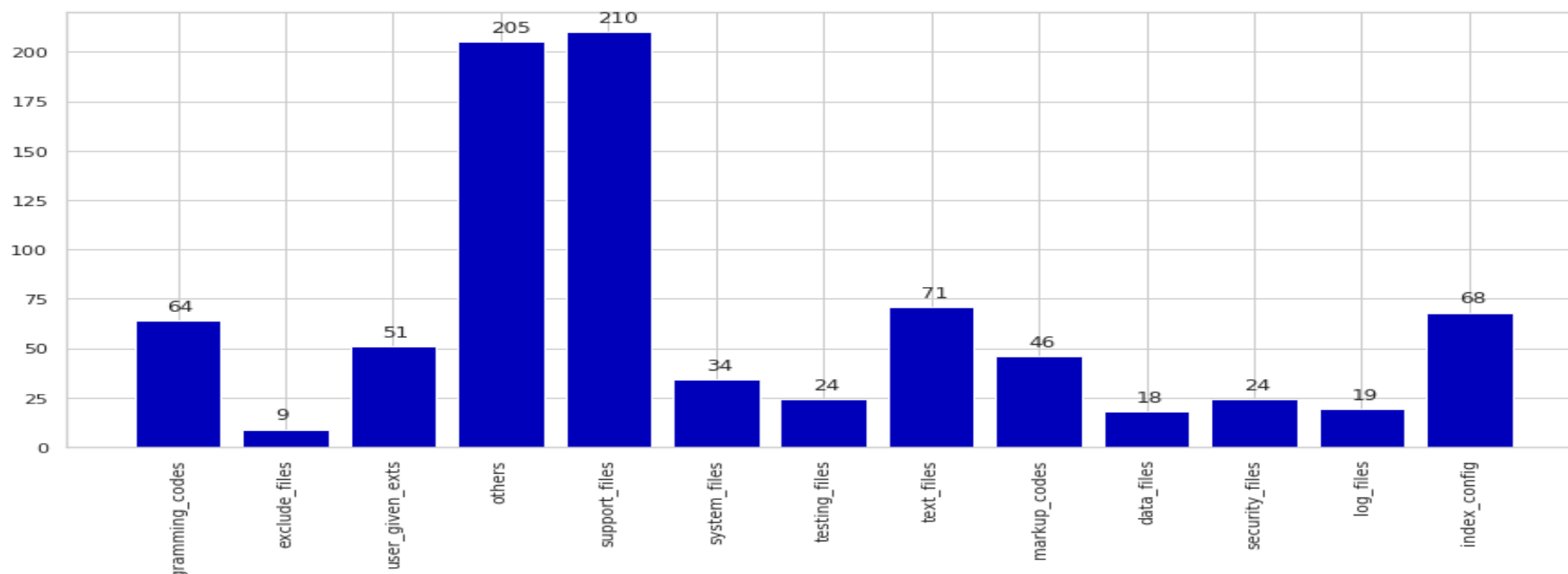
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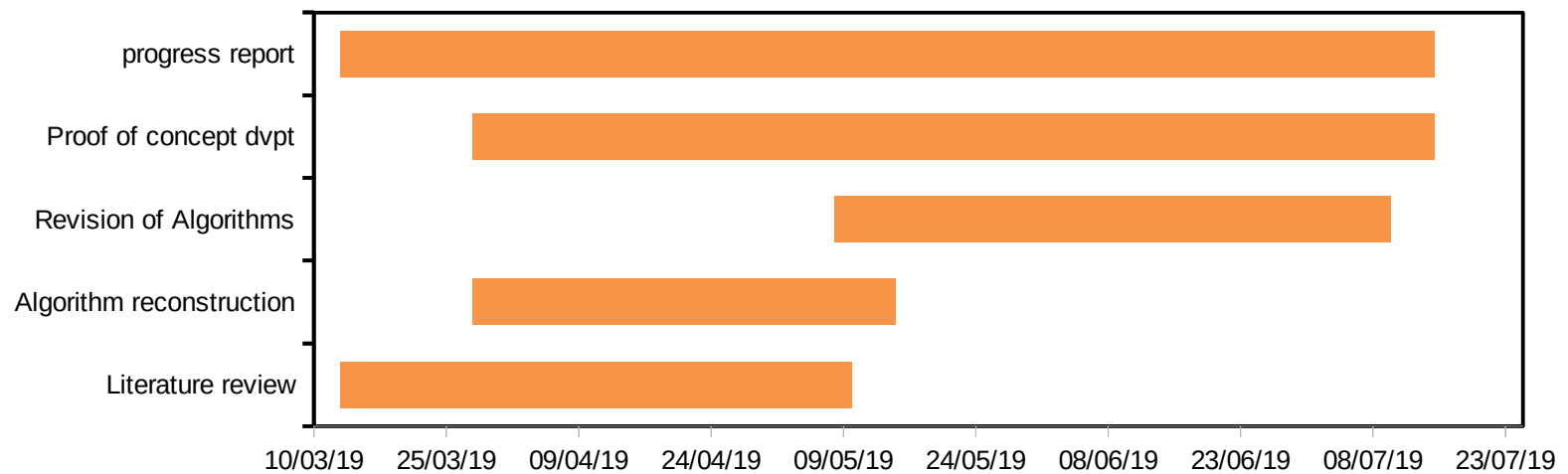
Agenda

- Research question
 - _ How to correctly identify the file format of a text file from its contents ?
- Time line
- Training dataset - text Files
- Work done /To do

File Type Distribution

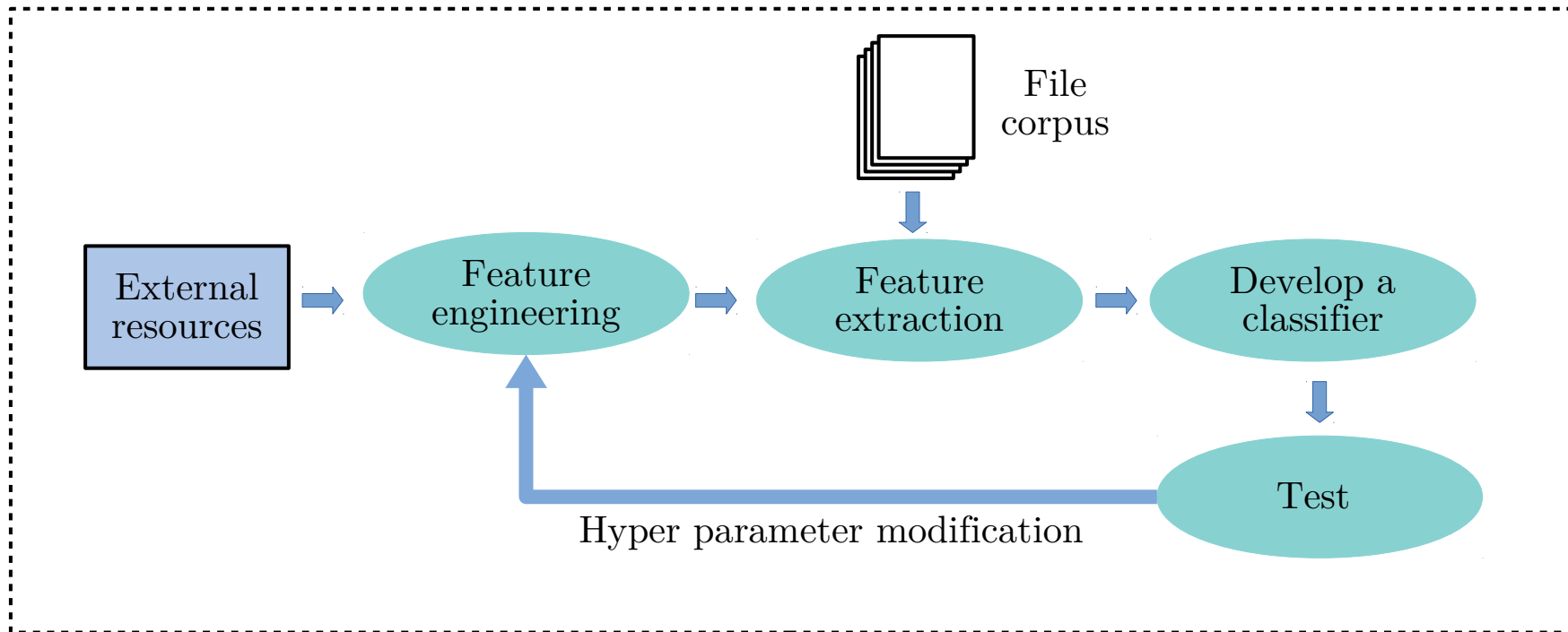


Time line

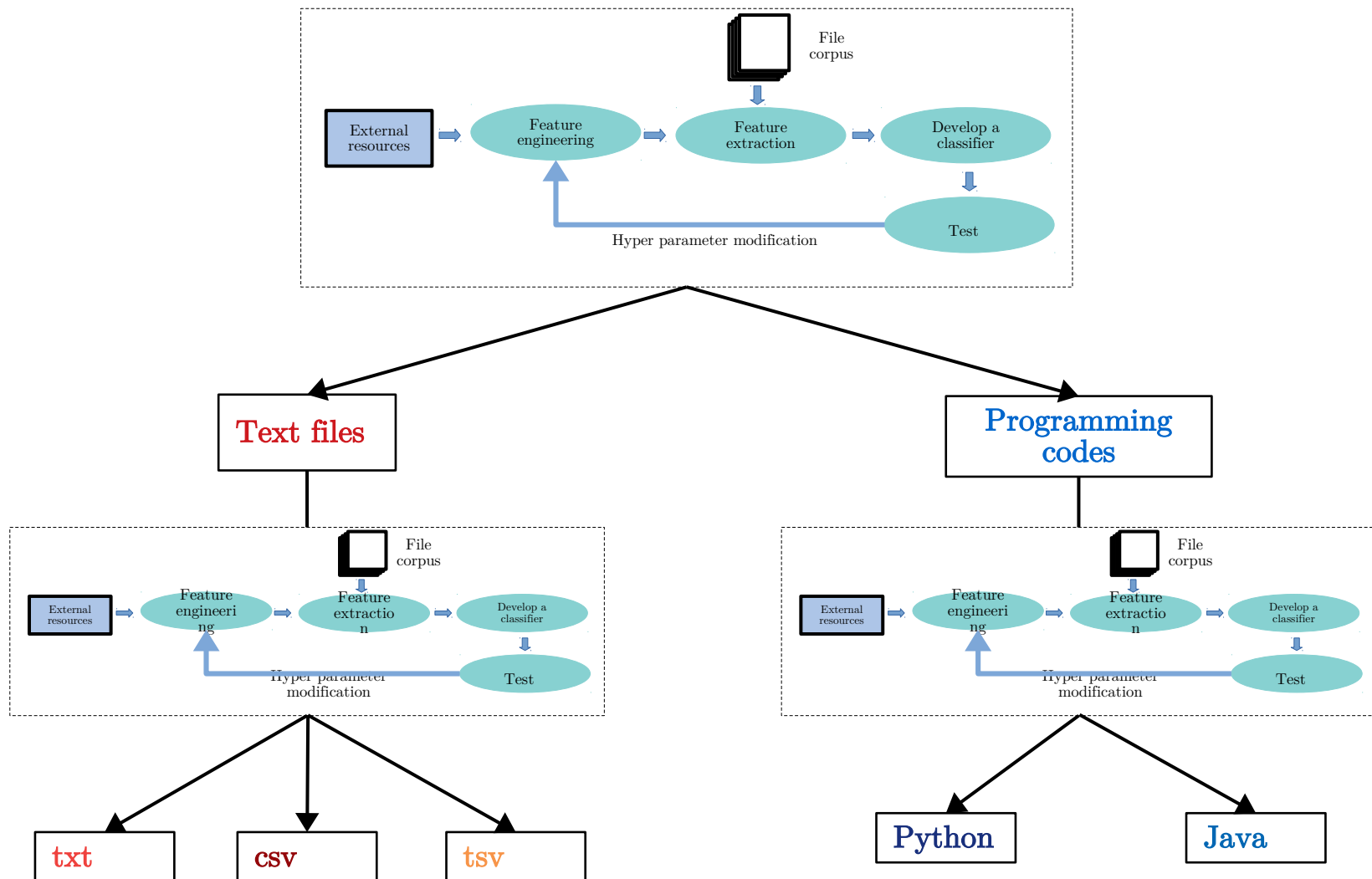


Revised Objectives

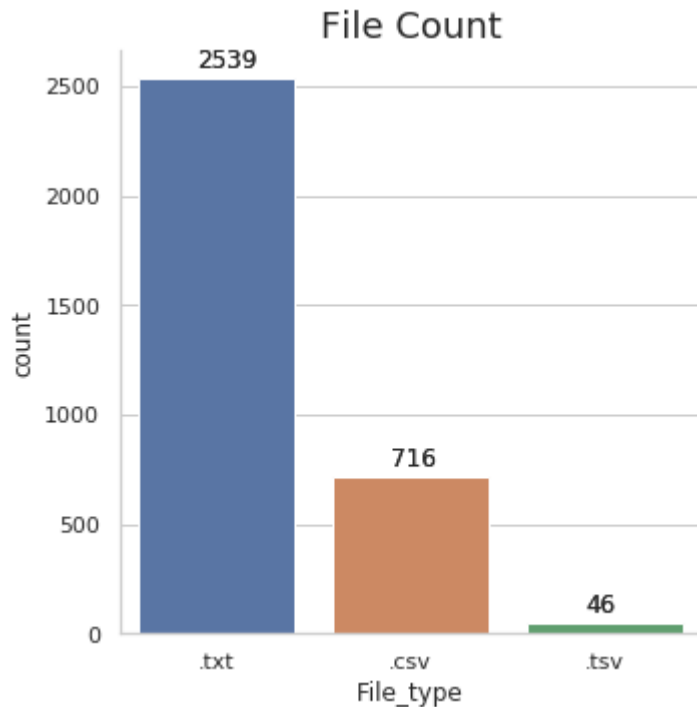
- Identification of file formats
 - (I) programming codes (Java and Python) and
 - (II) text files (tsv, csv and txt)



Hierarchical process



Training dataset



- Characteristics of csv files:
 - _ Multiple tables can be present in a single file (if the csv is generated using Excel)
 - _ Possible set of delimiters:
`[, .\t ; : # | ^]`
 - _ Multiple delimiters are not allowed
 - _ One record per row

Published resource: **Characteristics of Open Data CSV Files** by *Johann Mitlöhner, Sebastian Neumaier, Jürgen Umbrich, and Axel Polleres*

Work done / to do

- Formulated an algorithm to unearth specific features from csv files
- To design a neural network model that helps to learn the text file characteristics
- To design a hierarchical classification model to divide programming codes from text files
- Complete the report and create publishing material