

AUTOMATED EXTRACTION OF STRUCTURED TABLES FROM TEXT FILES FOR ENHANCED HEALTHCARE INSIGHTS

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INTRODUCTION

Extracting structured data from unstructured text files, particularly tables, is crucial for efficient data analysis across various domains. Health data often comes in forms that are not particularly accessible and are not fully utilized due to time-consuming manual extraction.

This project focuses on automating the extraction of flat tables from PDF collections, ensuring that critical data within test results, prescription sub-tables and other sections is readily available and actionable.

METHODOLOGY



BENEFIT TO HEALTHCARE

Improved Access for Research:

Extraction improves access for researchers to a wide range of medical data and in turn supporting innovation benefitting patient care.

Benefits for Existing Patient Care:

Timely access to precise data can also positively impact patient outcomes through improving speed of decision-making and overall quality of care in a clinical setting.

Reduced Data Entry Burden and Error:

Automation reduces the need for manual data entry and helps accurately capture and communicate patient information across medical records.



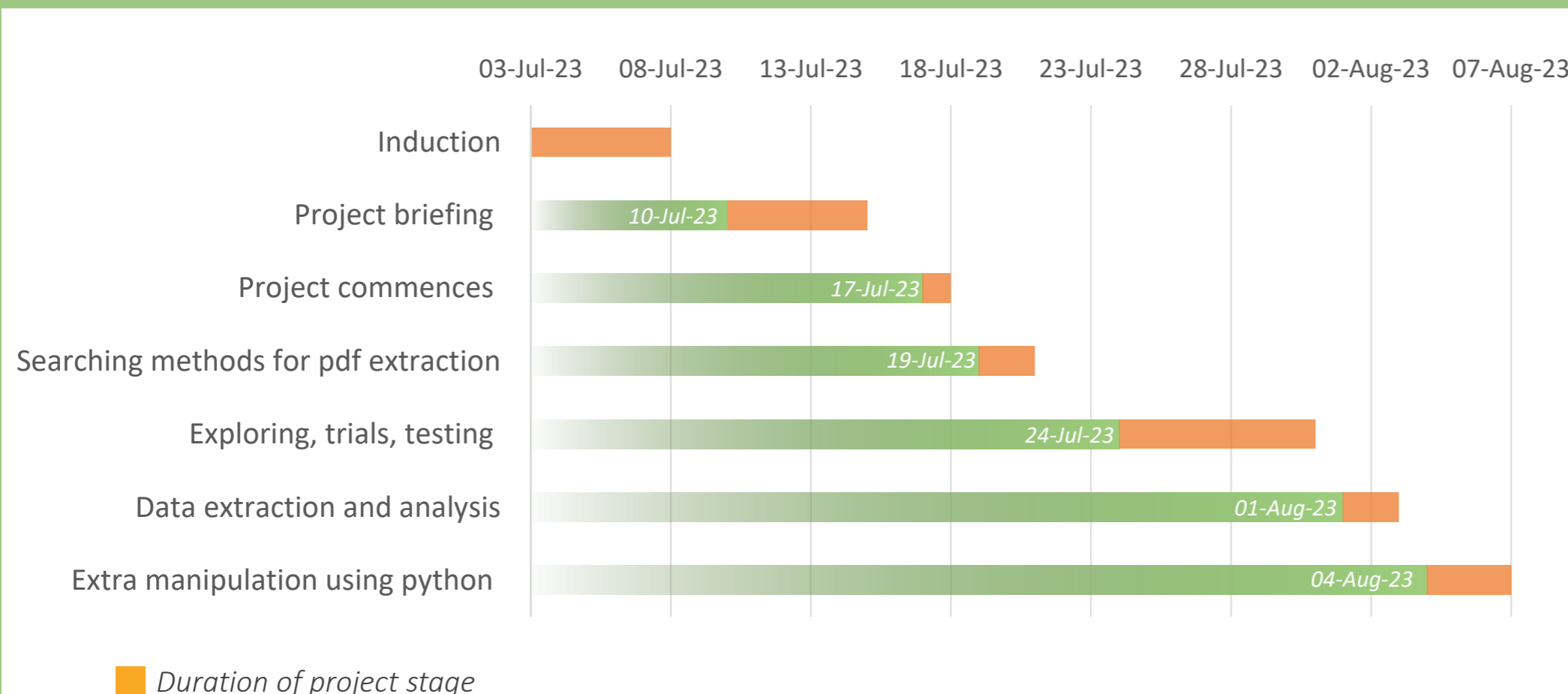
KEY FINDINGS

- Effective Extraction**
Successful extraction of flat tables from diverse text files
- Challenges in Prescription Sub-Tables**
Dealing with prescription sub-tables has presented challenges due to their non-standard formats
- Refinement in Progress**
As the project continues, ongoing efforts are being directed toward refining the handling of prescription sub-tables



SCAN ME

SCHEDULE



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