# Text Summarization and Generation

## Introduction:

The rise in information overload has led to increased demand for tools that can efficiently summarize content, allowing users to quickly capture essential points from large text bodies. Text summarization offers a solution by condensing lengthy material into brief, informative summaries.

In this project, our objective is to develop an automatic summarization model for an educational app, similar to the Headway app, aimed at helping users gain key insights from articles and educational content. The summarization model will automatically generate concise summaries that maintain the original text's essence, enhancing user experience by providing quick, digestible information.

## Pattern:

**1-Data selection:** books summaries from CNN/DailyMail Dataset, XSum, BookSum.

**2-Model type:** BERTSUM, BART, T5.

## Goals:

**Primary Goal**: Develop an efficient, coherent summarization model that meets accuracy and readability benchmarks.

**User Benefit**: Provide users with a streamlined experience for digesting content, aiding learning and engagement.

## Related work:

[1908.08345] Text Summarization with Pretrained Encoders

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