Abstractive summarization with Transformers

(19.06.2020)

Internship Number 30599

Type PDM coordonné   **Number of positions** 1

Length No preference

Hiring time Period 2: July - February (2020-2021), Period 3: July - September (2020)

Company informations

Company (top) Magma Learning   **Company (lab, dpt, ...)**

Address Rue du Village 12   **URL**

City 1081 Montpreveyres, Suisse

Contact informations

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Title Dr

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Work description

Academic supervisor Jaggi Martin

Description and objectives Automatic summarization is the process of shortening a text with machine learning and natural language processing. This can have many useful applications, in particular adapting a textbook to the knowledge level of the reader. While extractive summarization simply selects the most important sentences in a text, abstractive summarization generates an original summary of it. The goal of this project is to develop a pipeline for abstractive summarization based on Transformers (BERT, GPT-2, etc.).

Workplan

Required skills Machine learning, natural language processing, Python

Languages English (Intermediate)

Location EPFL

École polytechnique fédérale de Lausanne

Education

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Remark

Master programs

Related masters Communication systems, Data science