

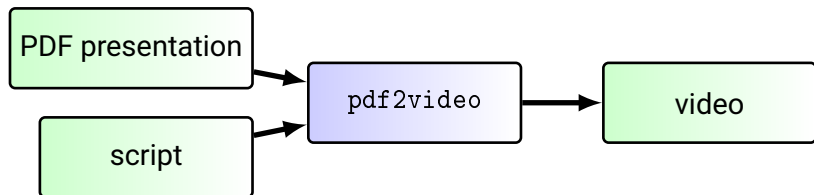
# pdf2video sample presentation

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<https://github.com/tjunttila/pdf2video>

# The tool

- pdf2video is a tool for producing videos from
  - ▶ a PDF presentation, and
  - ▶ a textual script.
- The script is narrated by the Amazon Polly text-to-speech service.
- **Goal:** produce videos without audio recording and editing.



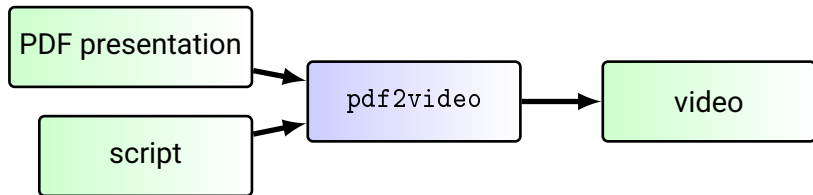
- External tools and services required:
  - ▶ Python version 3.5 or higher
  - ▶ pdftinfo and pdftoppm
  - ▶ ffmpeg
  - ▶ Amazon Web Services

Some pages can be omitted from the video...

# Using the tool

- Basic usage:

```
python3 pdf2video.py presentation.pdf script.txt video.mp4
```



- PDF page selection and the narration voice can be customized
- This sample video is produced with:  

```
python3 pdf2video.py sample.pdf sample.txt -pages  
"1,2,4-6" -voice Matthew -neural -conversational  
sample.mp4
```
- The sample PDF and script: see the github repository

# The script file

- Textual format, easy to edit with any text editor
- #page header line starts the script for the next PDF page
- Reading style modifiers:
  - ▶ `*text*` reads text in an emphasized style
  - ▶ `@xyz@` spells xyz as characters
  - ▶ `#n` makes a break of length  $n \times 100\text{ms}$
  - ▶ `#slow/text/` reads text in a slower rate
  - ▶ `#high/text/` reads text in a higher pitch
  - ▶ `#low/text/` reads text in a lower pitch
  - ▶ `#ph/w/p/` reads the word w with the X-SAMPA pronunciation p
- The delimiter `"/"` can be any other symbol

`#page`

Welcome to a short sample presentation about the pdf-to-video tool.  
This video is produced automatically with the tool.  
You can find more details in the github page of the project.

`#20`

`#page motivation`

Need to make videos of your @PDF@ presentations?

Tired in spending \*hours\* in recording and editing the audio tracks

# Subtitles

- Automatically generated from the script
- Can be tuned:
  - #sub/t/s/ uses s in the subtitle instead of the spoken text t
- Can be combined with reading style modifiers
- Example:

#sub!big-#ph# $\Theta$ #Ti:t# of @n@ squared! $\Theta(n^2)$ !

Reads: "big-theta of n squared"

Subtitle: " $\Theta(n^2)$ "