

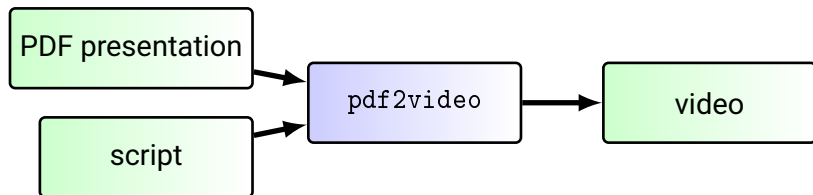
pdf2video sample presentation

T. Junttila

<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.



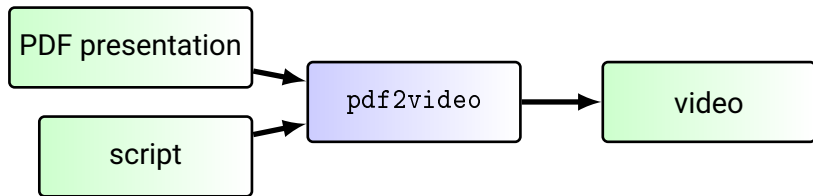
- External tools and services required:
 - ▶ Python version 3.6 or higher
 - ▶ `pdftopm` and `pdftoppm`
 - ▶ `ffmpeg`
 - ▶ Amazon Web Services

Some pages can be omitted from the video...

Using the tool

- Basic usage:

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



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

```
pdf2video 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 #sub#pdf-to-video#pdf2video# 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# Θ #Ti:t@# of n squared! $\Theta(n^2)$!

Reads: "big-theta of n squared"

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