

## Section 4

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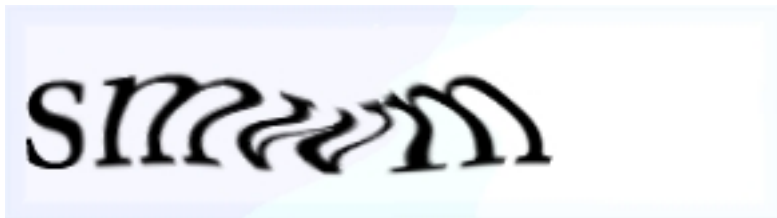
# Today

- ▶ Dealing with PDFs
- ▶ Twitter API intro and Signup

# PDFs

- ▶ Reading in text
- ▶ Combining PDFs
- ▶ Getting text from images

# Optical Character Recognition



# PyTesseract Tutorial

`https://pypi.org/project/pytesseract/`

# Twitter APIs


- ▶ Request Access
- ▶ Create New App
- ▶ REST API

<https://developer.twitter.com/en/apply-for-access.html>

How to Extract Words from PDF | Getting started — Twitter Dev... | Apply — Twitter Developers | +

https://developer.twitter.com/en/apply/usecase

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Verify that all uses of Twitter data comply with our policies, we require additional information from developers signing up to use this service. Providing thorough answers will help us understand your use cases and will help expedite the evaluation of your application. Learn more about our [restricted use cases](#).

Please describe what you would like to build with Twitter's APIs. Be sure to give detailed answers to the following questions. If the question does not apply to your solution, please explicitly state that. The more detailed the response, the easier it is to review and approve.

1. What is the core use case, intent, or purpose for your use of Twitter's APIs?
2. Do you intend to analyze Tweets, Twitter users, or their content? If so, share details about the analyses you plan to conduct and the methods or techniques you plan to use.
3. Does your use case involve Tweeting, Retweeting, or liking content? If so, share how you will interact with Twitter users or their content.
4. How will Twitter data be displayed to users of your solution? If you plan to display Twitter content off of Twitter, explain how and where Tweets and Twitter content will be displayed to users of your product or service. Will individual Tweets and Twitter content be displayed, or will information about Tweets or Twitter content be displayed in aggregate?

1. I am conducting academic research on discussions around US government policy, specifically policies around taxes and the census  
2. I intend to analyze tweets to examine the use of ideological rhetoric in discussions about tax and census policies during the Trump and Obama administrations. I am also planning to apply methodologies to determine which users are more Republican or Democratic  
3. No, I will not be tweeting, retweeting, or liking any content  
4. Tweets may be displayed in an academic paper or book.

Example:

1. I'm using Twitter's APIs to...
2. I plan to analyze Tweets to understand...
3. Yes, I will be Tweeting content when...
4. Tweets will be displayed on...

Please answer each question even if the answer is "not applicable". For example: "My solution will not..."

Read more about our [restricted use cases](#).

Type here to search

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<https://developer.twitter.com/en/apps>