Email for Data Science

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2 The whole game

In this tutorial, we are going to send an email from a Gmail account. To do so, you will need to create an App Password. Note this is only possible if you've enabled 2-step verification.

Tip

This is just one of many options: it is also possible to send emails in Python from other email providers (Outlook, ProtonMail, etc.), or even from a custom domain. To skip ahead to a discussion of alternative sending methods, see Authentication

Once you've created your App Password, that is used as your Gmail password for sending with Python.

There are many ways to store the password seperate from your email-sending code, so as to not expose any sensitive information. One such appraoch uses a `.env` file, and the '`dotenv` and `os` packages.

Listing 2.1 `.env`

```
GMAIL_APP_PASSWORD=abcd abcd abcd abcd
```

Listing 2.2 `main.py`

```
import os
from dotenv import load_dotenv

load_dotenv()

your_gmail_address = "YourGmail@gmail.com"
gmail_app_password = os.environ["GMAIL_APP_PASSWORD"]
```

Check out the email content we will send.

And now we send the email!

```python
import redmail

redmail.gmail.username = your_gmail_address
redmail.gmail.password = gmail_app_password

redmail.gmail.send(
    subject="An Example Email",
    receivers=[username],
    html=email_html,
    text=email_plaintext,
)
```

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