



# Orientation

## Welcome at SPICED!

Our goals for this course:

- You **learn** a lot
- You have **fun** doing so

### Plan for your first day

- Welcome and orientation
- Ice breaker: 2 truths and a lie
- Coding exercise
- Lunch break
- Course logistics
- Afternoon encounter: Command Line & Bash
- "Floor" / Q&A session w/ Anastasia

### Coding exercise

Implement the following program:

- Go through the numbers from 1 to 100:
  - If the number is divisible by 3, write “Fizz”
  - If the number is divisible by 5, write “Buzz”
  - If the number is divisible by 3 and 5, write “FizzBuzz”
  - Otherwise, print the number

**Post your solution in the `#general` channel in Slack.**

**Extra challenges:**

- Write the code into a function
- Add a parameter that allows for numbers other than 100

## Course logistics

Here's how to make the most of the course:

-  Ask questions
-  Actively participate
-  Take breaks

 The Data Science course covers six main areas:

- Python Programming
- Data Visualization
- Machine Learning
- Databases & Infrastructure
- Software Engineering
- Career Support



- **12 Weeks:**

- 2 encounters per day, 1.5-2h / each.
- Before and after you have time to work on your project of the week, individually or in groups

- **10 Projects:**

- The projects are introduced on Mondays, and presented on Fridays
- Exceptions are the first and the last project:
  - The first project doesn't have a traditional project introduction on Monday morning
  - The last project is ~1.5 weeks long
- In the last week there are no encounters and you will have time to completely focus on your final project

- **5 Career sessions:**

- In weeks 2-6, Mondays at 10:00, you will have careers sessions with our career coaches Lindsay McQuade and Olga Lavrenko on topics such as: job search, CV & cover letter, interviewing...

- **1 Graduation:**

- You get to present your final projects to the world on December 17.

# Resources and communication

## 1. Course materials

You can find the **course content** on <http://krspiced.pythonanywhere.com/>

- User: `spiced`
- Password: `titanic99`

Chapters in the course material chapters correspond to the encounters you have throughout the week. It is not a bad idea to skim them before your encounter, look for any reading materials or videos that are a good introduction to the topic, and then revisit them again after the encounter for any challenges or exercises you may have missed and would like to do.

## 2. Slack

The main **communication channel** will be the `Random Forest Fennel` Slack workspace. (You will have all been invited to another Slack workspace at the same time — Spiced Academy. That workspace includes most of Spiced alumni and staff, but you don't have to pay it too much attention at the moment, it will mostly become useful once you graduate.)

Important channels are

- `#general` — for announcements of general importance
- `#questions` — post your questions here (guidelines on how to ask questions for maximum success still to come!)
- `weekly` — week/project specific topics: zoom links, polls, schedule, stuff to share
- `#github_activity` — updates when new materials are pushed to github (more on that tomorrow morning)

*Slack etiquette:* unless it is really important and urgent, please don't `@channel` in Slack. Most channels also include other teachers and Spiced staff and channel mentions mean that they also get pinged with stuff that may not be particularly relevant to them or urgent. During the working hours at least one of the teachers will keep an eye on Slack and be able to respond so you can be sure that your message

will be seen. You can also customize Slack to your liking, so that it e.g. notifies you as soon as a message is sent to any of your channels (or not), or so that it doesn't send you notifications during certain hours.

### 3. Github

The place for **sharing code**. You will get invited to two repositories:

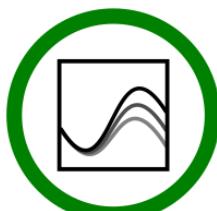
- `random-forest-fennel-encounter-notes` — where teachers share the materials/code used in encounters
- `random-forest-fennel-student-code` — where you upload the code you work on

More on this tomorrow morning.

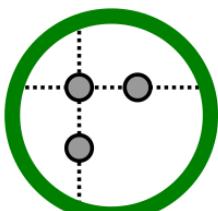
## Weekly logistics

- Daily schedule — there will be at least one teacher available during these hours (minus the  to support you):
  - `10:00-12:00`  Morning encounter
  - `12:00-13:30`  Lunch break
  - `13:30-16:00`  Afternoon encounter
  - `16:00-18:00`  "Floor" / Q&A session
- Before each encounter you should get an attendance link via Slack
- You can always view your schedule for the week at:  
<https://spiced.space/random-forest-fennel/schedule>
- The first encounter of every week (except for week 1!), generally on *Mondays at 10:00 or 13:30* is a **project introduction**.
- Each encounter should contribute to your project for the week or bring you closer to being able to do the project. This isn't strictly always the case and I'll try to point out when that's not the case.
- The last encounter of every week, generally on *Fridays at 15:00* is a **project review**. During a project review you will give a 5-minute lightning talk. In most weeks I will post topics for the lightning talk for you to choose.

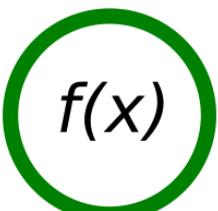
## Ideas for 5' Lightning Talks



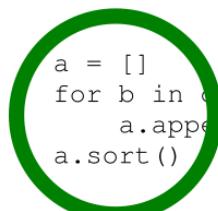
1-3 nice plots



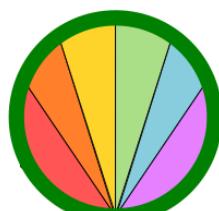
things you found  
in the data



a math equation



Python code  
(up to 20 lines)



an awesome  
Python library



a web page  
or tool



a tricky bug  
(solved or unsolved)

- ⚡ Tips for your lightning talk:
  - 🤖 Try not to show too much code
  - 📊 Slides are not necessary
  - 👤🤝👤 The presentations are about knowledge sharing and communication, they are not a test

## What do I need to graduate?

- Attend the lessons
- Submit 80% of the weekly projects to GitHub
- Present 80% of the weekly projects in front of your cohort

- Present your final project at the graduation
- Adhere to the Code of Conduct