

Welcome

Introduction
to
Women in Data

TECH TALENT
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Format of Course - Home Learning

- There will be 1 class per week at 4:30pm.
- Submission day is the day before your next class: includes practical work with an evaluation (not a pass or fail). Each week you will be advised of the format of submission.
- Work hours are flexible during those non class days. Please note that I will only be available for support between Monday to Thursday from 9:30am to 4.30pm (morning & afternoon break and lunch break will be taken).
- You can email and message out of hours and I will reply back to you between 9:30am and 4.30pm Monday to Thursday.
- There may be extra Zoom calls dependent on tasks – please keep me informed with any commitments that you might have so there are no clashes in timings.

Communication

Communication during remote learning will include:

- Class webinars (Zoom)
- Individual emails, messenger (Slack)
- Calls via zoom or slack – as required

Email address: andy@techtalent.academy



Telephone: Email or DM me via slack with your query I will schedule some time. This helps to manage calls.

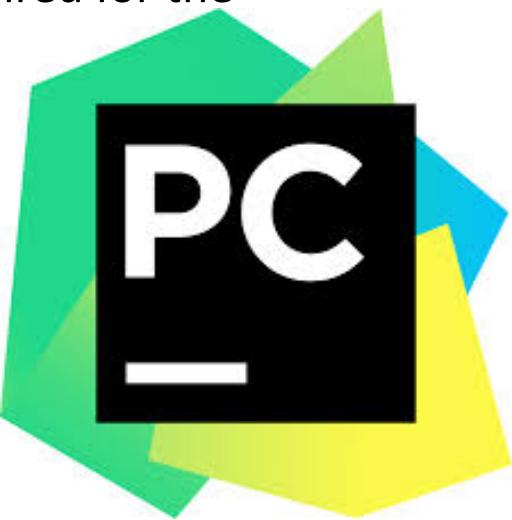
Any questions regarding jobs and recruitment contact
iona@techtalent.academy

Any complaints or welfare issues contact Satinder@techtalent.academy

Software Requirements

In your welcome pack on page 4 it highlights what software is required for the course:

- Notepad ++ (Windows) (<https://notepad.plus/>)
- Notepad Brackets (Mac) <http://brackets.io/>
- Python Idle <https://www.python.org/downloads/>
- VS Code: <https://code.visualstudio.com/download>
- Pycharm Community Edition (Free)
<https://www.jetbrains.com/pycharm/download/>
- Anaconda Individual – 64 bit:
<https://www.anaconda.com/products/individual>



Online accounts that you need to sign up to, you can use your existing one if you already have one.

1. Slack



Course Overview

Week	Topic
1	Introduction
2	Python Fundamentals part 1
3	Python Fundamentals part 2
4	Python Fundamentals part 3
5	Python for Data Science - NumPy
6	Python for Data Science - Pandas 1
7	Python for Data Science - Pandas 2
8	Algorithms for Data Science
9	Python for Data Science - Machine Learning: SciKit
10	Python for Data Science - Deep Learning: TensorFlow/Keras
11	Modelling for Data Science
12	An introduction to Power Bi
13	Data Science Fundamentals
14	R Studio for Data Science 1
15	R Studio for Data Science 2
16	R Studio for Data Science GGPlot
17	Database and BigData - SQL1
18	Database and BigData - SQL2
19	Database and BigData - SQL 3

IDE

Integrated Development Environment

An integrated development environment (IDE) is a software application that provides comprehensive facilities to computer programmers for software development.

- Pycharm
- IDLE
- Spyder
- Jupyter Notebook/Lab
- R Studio
- Visual Studio (VS)
- Repl.it (Web-Based)



Using the print() function

We use the print() function to output data to the standard output device (screen)

For Example:

```
[1]: print("Hello World")
```

Hello World

The speech marks are known as a syntax. Anything that you write within " " will output

Notice the (), this is known as a parenthesis

What to Expect





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