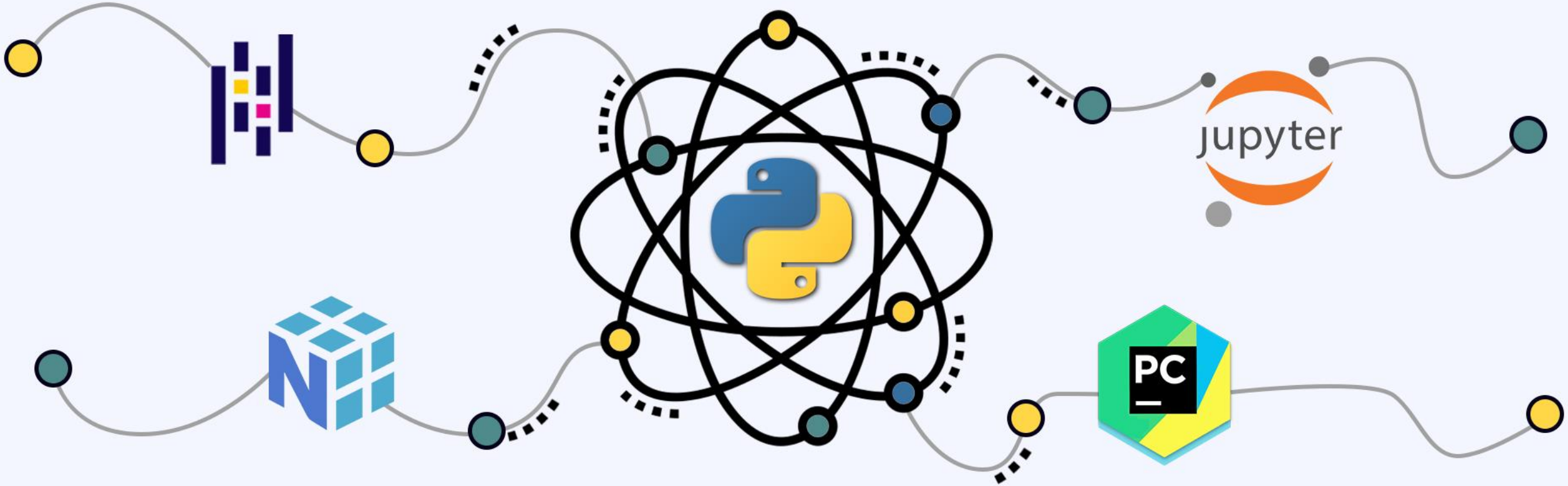
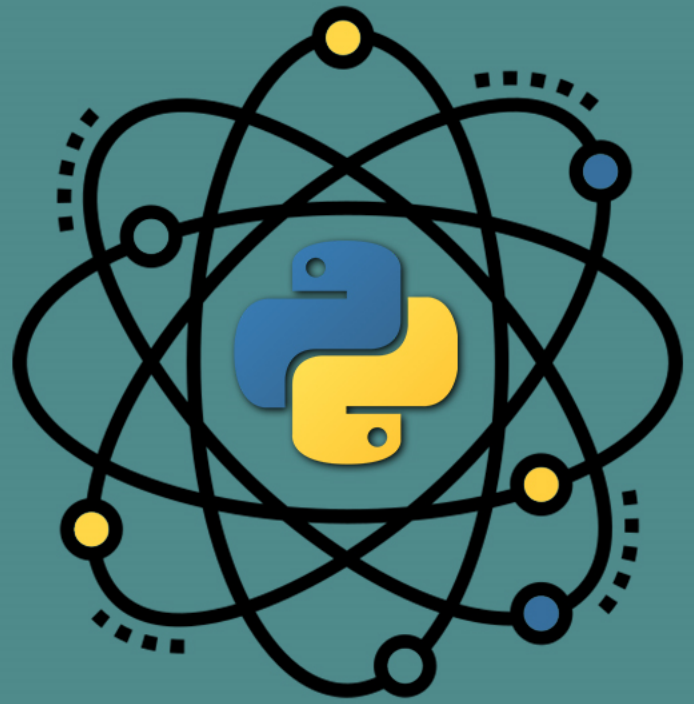


MOHAMMAD DEHGHANI PTYHON FOR DATA SCIENCE

زبان پایتون در علم داده

مدرس: محمد دهقانی



زبان پایتون در علم داده

مدرس:
محمد دهقانی

جلسه: پنجم
موضوع: متغیرها

مواردی که در این جلسه بررسی می شوند:

1. معرفی انواع متغیرها
2. معرفی انواع اعداد
3. بررسی نحوه مقداردهی متغیرها

What is Python Syntax?

We have to learn grammar to learn the English language. In the same way, you will need to learn and understand the Python syntax in order to learn the Python language.

A Python program comprises logical lines. The interpreter ignores blank lines.

```
>>> print("Hi

How are you?")
```

Output:

```
SyntaxError: EOL while scanning string literal
```

Use a backward slash

```
>>> print("Hi\
how are you?")


>>> a\
=\
\o
```

Put the String in Triple Quotes

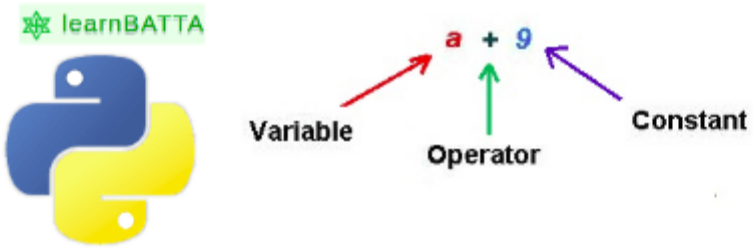
```
>>> print("""Hi
      how are you?""")


>>> print("Hi
      how are you?")
```

Python Indentation

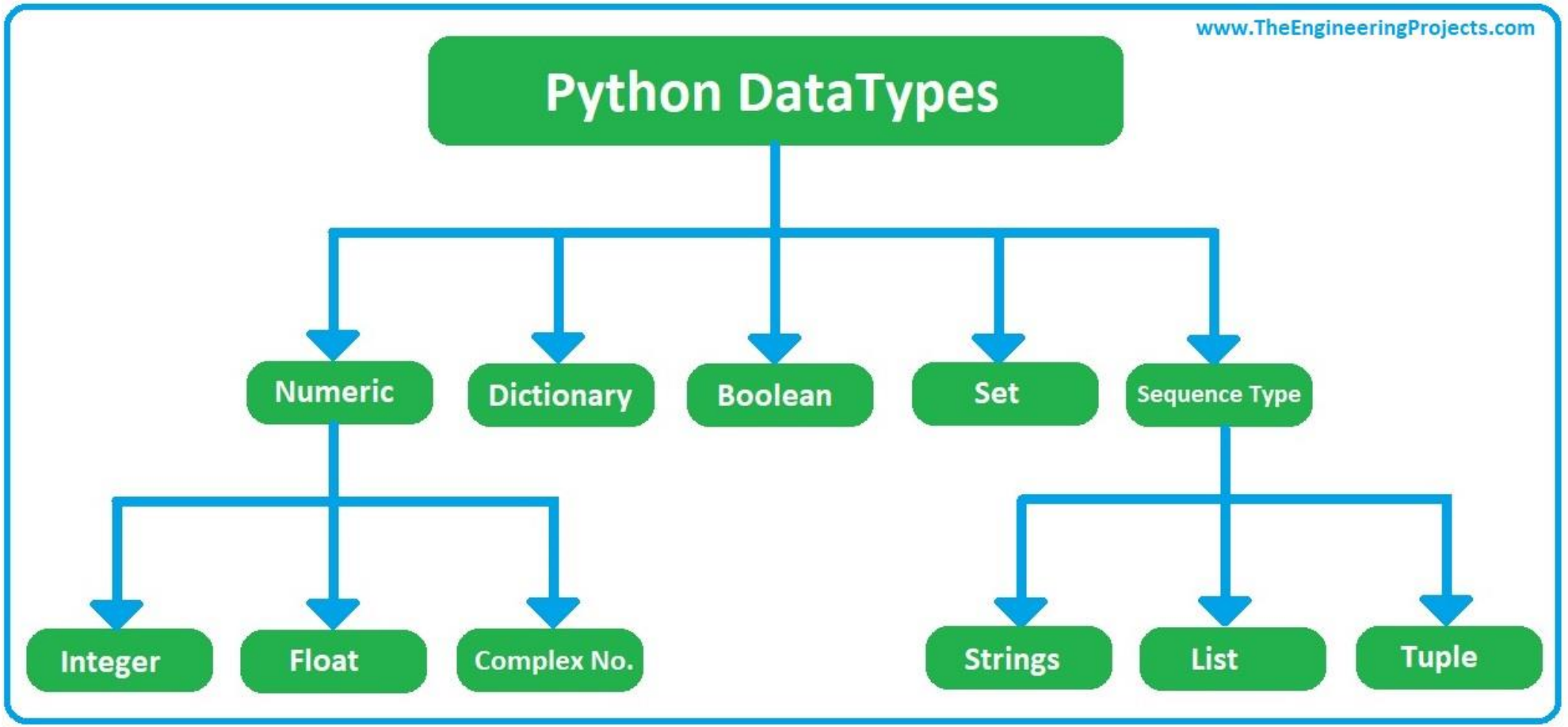
```
>>> if 2>1:
        print("2 is the bigger person");
        print("But 1 is worthy too");
```

Python Multiple Statements in One Line

```
>>> a=7;print(a);
```



A variable is a container for a value. It can be assigned a name, you can use it to refer to it later in the program.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Python DataTypes
Numeric
Dictionary
Boolean
Set
Sequence Type
Integer
Float
Complex No.
Strings
List
Tuple

Notes:

You can save Boolean data in integer data type but that will be a redundant i.e. we are allocating more space to our data by specifying integer, when we can easily assign Boolean to it.