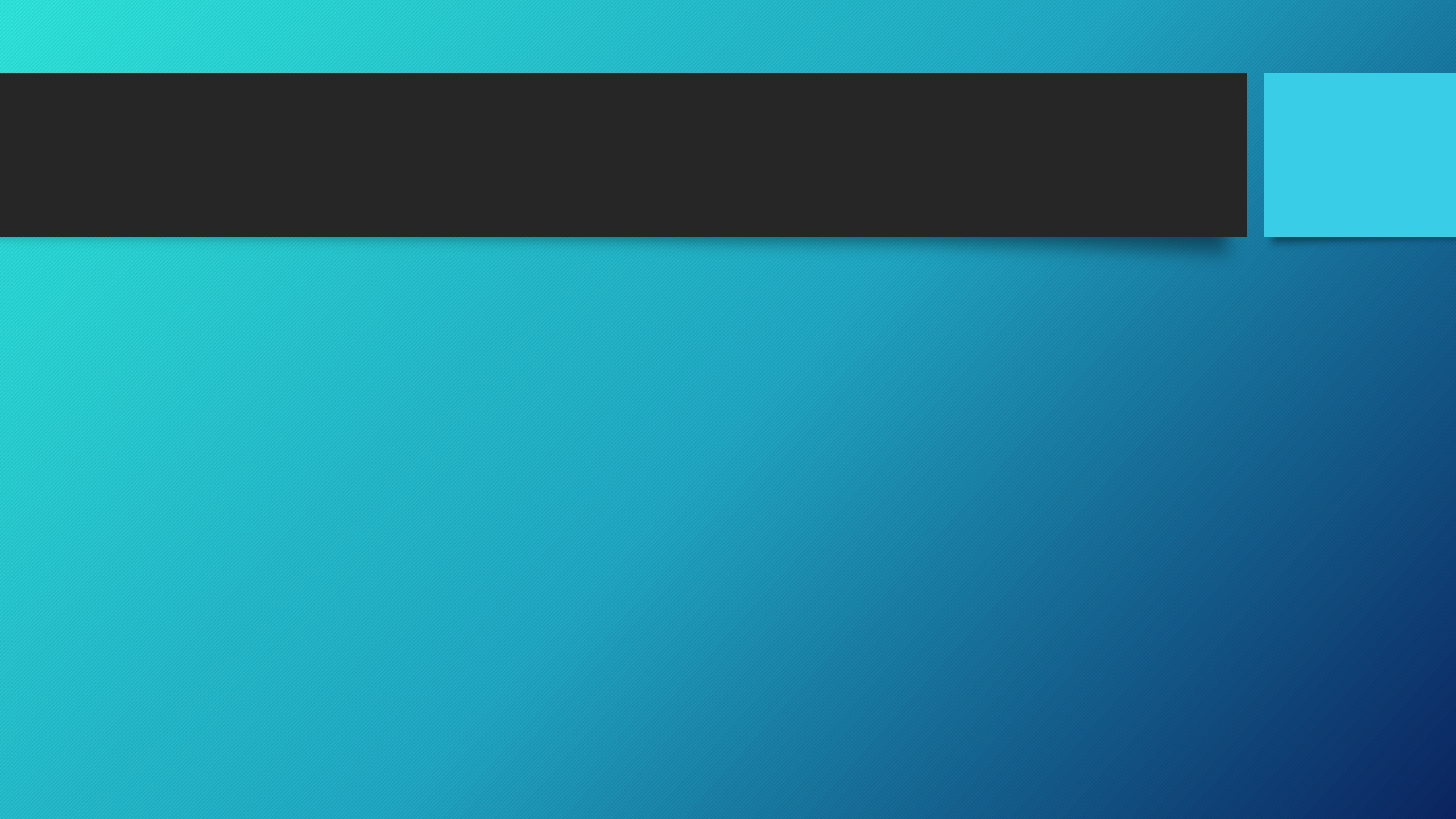


Pandas

# Introduction & Installation

- Pandas is a python library which is used for working with data sets
- It has function analyzing cleaning ,exploring and manipulating datas.
- The name “Pandas” has a refrence to both “Panel data ” and “Python data Analysis”.





# Why use Pandas

- Pandas allows us to analysis bigdata and make conclusions based on statistical theories.
- Pandas can clean messy data sets and make them readable and relevant which is very important in data science.

# What can pandas do ?

- Pandas are also able to delete rows that are not relevant or contains wrong values, like empty or NULL values. This is called cleaning data .

# Pandas database/installing/checking

- <https://github.com/pandas-dev/pandas>
- Installing : `pip install pandas`
- Checking pandas:  

```
import pandas as pd  
print(pd.__version__)
```



# Python Pandas read CSV files

- Read CSV files (Comma separated files) it is a simple way to store the big and biggest data sets CSV files contain plain text

```
import pandas as pd  
df=pd.read_csv('data.csv')  
print(df.to_string())
```