

## The toolkit shared folder

This folder will include the codes discussed in class and in the lecture notes.  
More files will be added later in the course

### Structure

```
<DROPBOX_SHARED_FOLDER>/
|
|-- data/                                <-- data files (discussed in the lectures)
|   ...
|-- lectures/                            <-- Scaffold version of the companion codes
|   |-- solutions/                       <-- Final version of the companion codes
|       ...
|-- webinars/                            <-- Codes discussed during class
|   ...
|
|-- tk_utils.py                          <- OPTIONAL utilities module (see below)
```

## The lectures folder

The lectures folder includes the “companion codes” discussed in the lectures.

```
<DROPBOX_SHARED_FOLDER>/
|   ...
|-- lectures/                            <-- Scaffold version of the companion codes
|   |-- solutions/                       <-- Will be populated after each lecture
|       |
|       |-- lec_avgs_example.py
|       |-- lec_fileio.py
|       |-- lec_pd_bools.py
|       |-- lec_pd_csv.py
|       |-- lec_pd_dataframes.py
|       |-- lec_pd_datetime.py
|       |-- lec_pd_groupby.py
|       |-- lec_pd_indexing.py
|       |-- lec_pd_joins.py
|       |-- lec_pd_numpy.py
|       |-- lec_pd_series.py
|       ...
```

Below is the lecture in which each companion code is first discussed:

- Lecture 4.6:
  - lec\_fileio.py
- Lecture 5.1:
  - lec\_avgs\_example.py

- Lecture 5.2:
  - `lec_pd_series.py`
  - `lec_pd_dataframes.py`
- Lecture 5.3:
  - `lec_pd_numpy.py`
- Lecture 6.1:
  - `lec_pd_indexing.py`
- Lecture 6.2:
  - `lec_pd_csv.py`
- Lecture 7.1:
  - `lec_pd_datetime.py`
- Lecture 9.1:
  - `lec_pd_joins.py`
- Lecture 9.2:
  - `lec_pd_bools.py`
- Lecture 9.3:
  - `lec_pd_groupby.py`

## The `tk_utils.py` module

This module is **optional**. It includes utilities to:

1. Download files from Dropbox
2. Backup files under the `toolkit` folder (in PyCharm)

### Usage:

1. Download the file `tk_utils.py` file and make sure it is saved under the `toolkit` folder:
 

```

toolkit/
| ...
|__ tk_utils.py          <- Put the `tk_utils.py` file here
|__ toolkit_config.py    <- (you already have this file)
      
```
2. Make sure your `toolkit_config.py` file includes the variable `PRJDIR` (if you followed the instructions in Lecture 4.4, it will).
3. Open the PyCharm console and type:
 

```

>> import tk_utils
>> help(tk_utils)
      
```
4. You should only use the functions `tk_utils.sync_dbox` and `tk_utils.backup`.
5. To backup the `toolkit` folder:
 

```

>> import tk_utils
      
```

```
>> tk_utils.backup()
```

6. To download the files in the Dropbox shared folder:

```
>> import tk_utils  
>> tk_utils.sync_dbox()
```