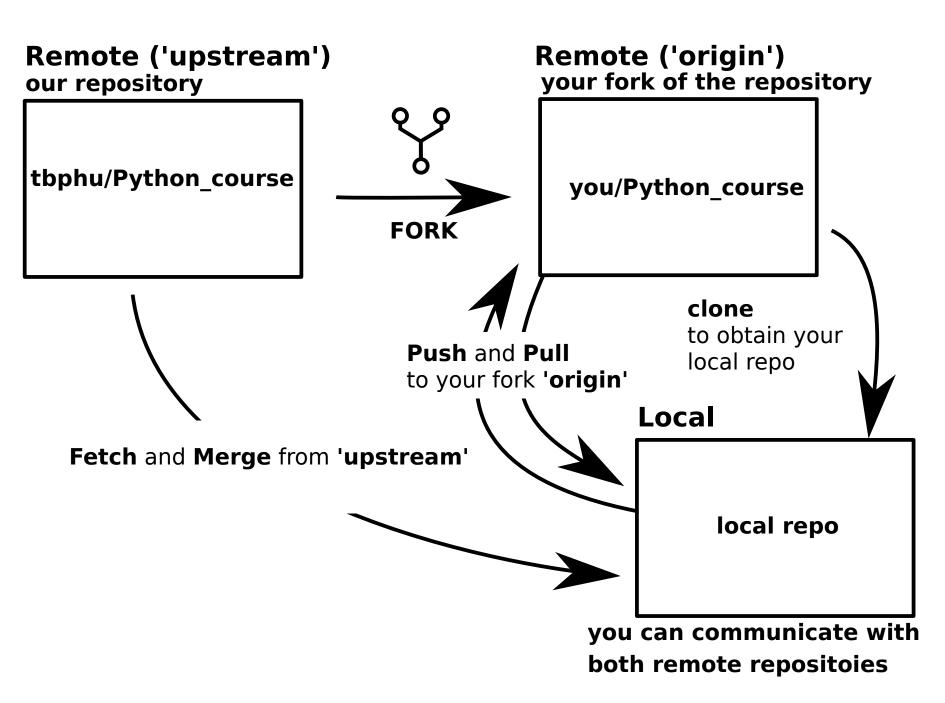
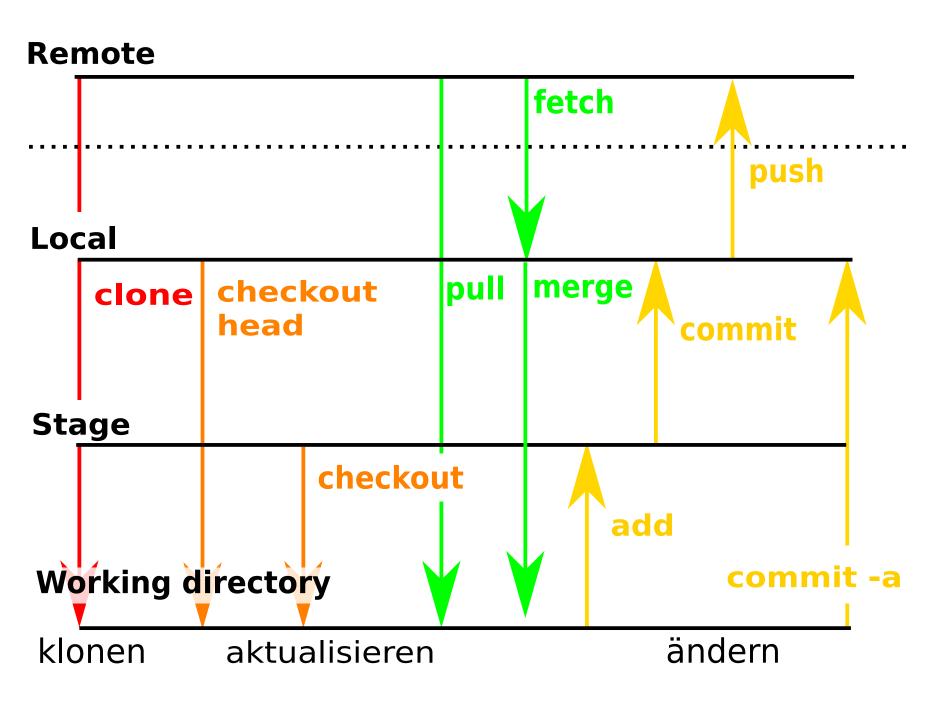


## Plan for today



- 1 git
- Python I/O
- pandas
- 4 exercise





## file handling

File handling operations	
Open file	<pre>fo = open("path_to_file", "mode")</pre>
Read a line	fo.readline()
Read all lines (separated)	fo.readlines()
Read entire file	fo.read()
Read 5 characters	fo.read(5)
Write to file	<pre>fo.write("text to file")</pre>
Write a list of lines to file	fo.writelines(list_of_lines)
Close file	fo.close()

## pandas

Pandas commands	
Load DataFrame	<pre>df = pd.load_csv('file_name')</pre>
Show top/bottom of tables	<pre>df.head() / df.tail()</pre>
Call a column	<pre>df['column_name']</pre>
Transpose the DataFrame	df.T
Call an entry by name	<pre>df.loc['index_name', 'column_name']</pre>
Call an entry by index	<pre>df.iloc[index, column]</pre>
Calculate mean for columns	<pre>df.mean(axis=1)</pre>