CS 638: Version Control and Custom Plots

Custom Plots

Typical series of box plots — Maximum, Quartile, Median, Quartile, Minimum — and Tufte's "box" plot
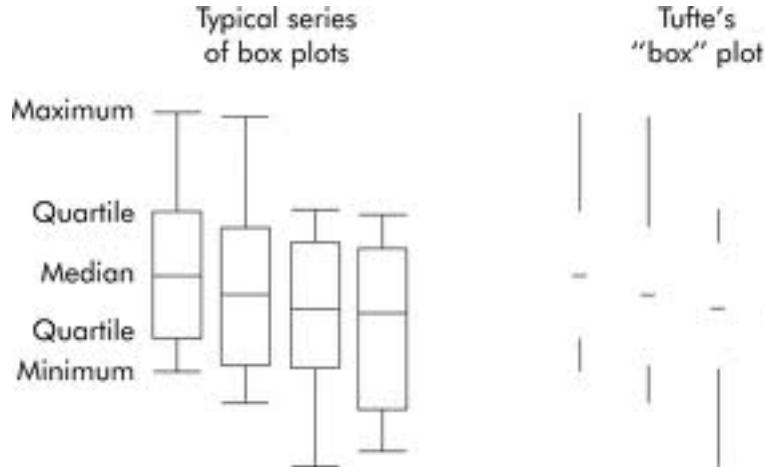
Creating Points and Lines:
```
– ax.plot(x, y, 'ro')                # plot a red circle at point x,y
– ax.plot((x1, x2), (y1, y2), 'k') # black line from x1,y1 to x2,y2
```

Minimalist Plots:
```
– ax.legend(frameon=False, ncol=2)
– ax.spines['right'].set_visible(False)
– ax.spines['top'].set_visible(False)
```

Representing Standard Deviation

Useful snippets:
```
– df = df.set_index(["trial", "x"])
– df.mean(axis=0)
– mean = df.mean(level=1)
– std = df.std(level=1)
```
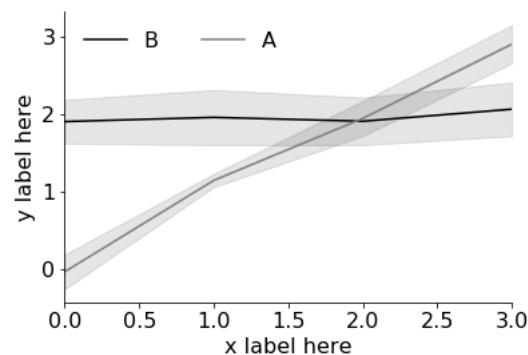


```
plt.fill_between(mean.index, mean[col]-std[col], mean[col]+std[col],
                 color='black', alpha=0.1)
```

Saving History on Local Computer

files

commits: A   →   A2   →   A2 B

History
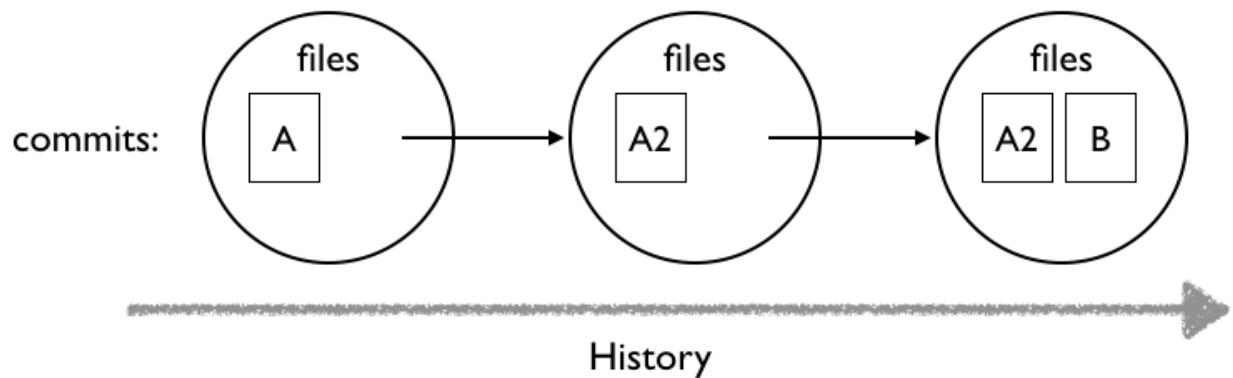
Pushing/Pulling To/From Shared Repo on GitHub

pull   push

laptop 1   github   laptop 2
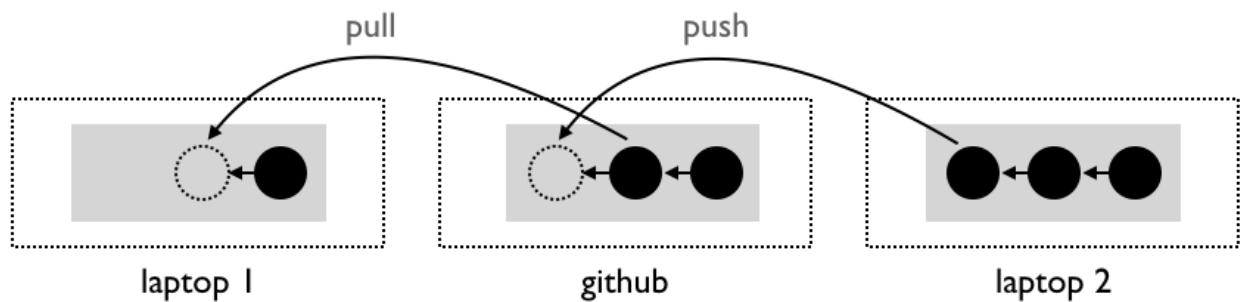
Getting Feedback with Pull Requests

pull request   pull request

fork   fork

push   github   push

pull   pull

laptop 1   laptop 2