Visualizing Categorical Time Series

a simple hard thing in matplotlib

Jeff Abrahamson

Jellybooks

2 December 2014

It's a race!



It's a race!

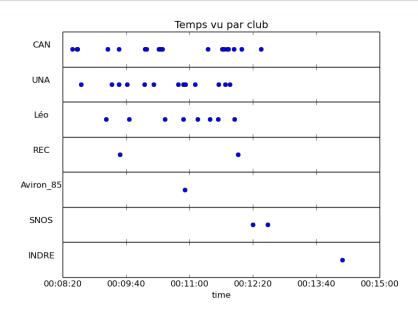


What I want

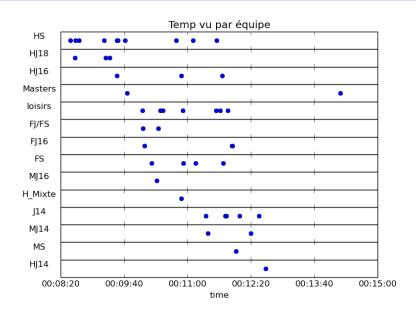
How did we do?

- by club?
- by category?

What I want



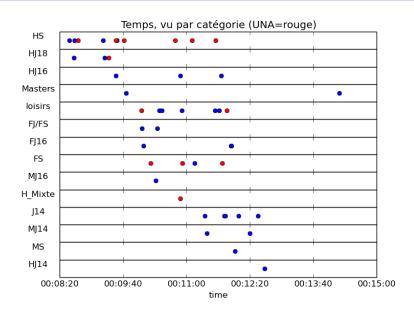
What I want



ax[index].set yticks([])

```
teams = times.team.unique() # ['time', 'team']
fig, ax = plt.subplots(len(teams),
                       sharex=True, sharey=True)
for index , team in enumerate(teams):
    these times = times[times.team == team]
    # and do what was on the previous slide
ax[0].set title('Time_by_team')
min tick = ax[0]. get xticks(). min()
\max tick = ax[0]. qet xticks(). max()
ax[0].set xticks(np.linspace(min tick,
                              max tick, 6))
fig.subplots_adjust(hspace=0)
```

I want more!



I want more!

Remember when we said this?

I want more!

So instead say this:

And everyone is happy!



Questions?

github.com/JeffAbrahamson/talks/