# Visualizing Categorical Time Series

#### a hard simple thing in matplotlib

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Jellybooks

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# It's a race!



# It's a race!

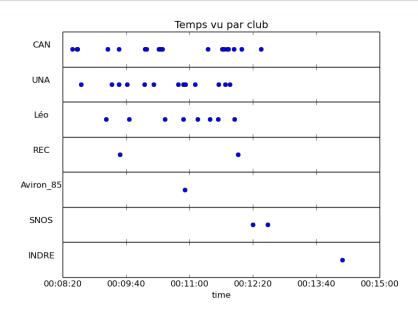


# What I want

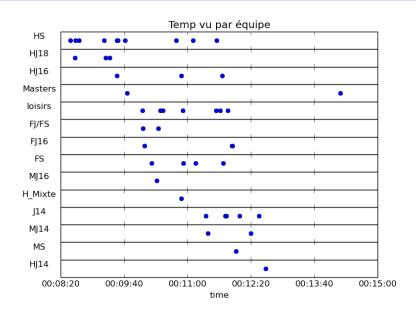
How did we do?

- by club?
- by category?

## What I want



## What I want

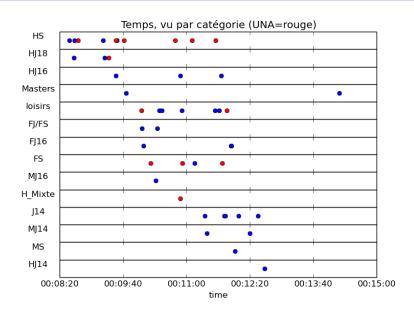


import matplotlib.pyplot as plt

```
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```

```
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/